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ACADEMIC	COURSE_									
PERIOD		COURSE_	TITLE_SHORT		SUBJECT	CREDIT_		COURSE_		SCHEDULE
DESC	CATION	NUMBER	_DESC	SUBJECT	_DESC	MIN	COURSE_TEXT_NARRATIVE	LEVEL	SCHEDULE	_DESC
			Academic		Academic					
Fall 2007	AAR101	101	Activity	AAR	Activity	C		UG	LE	Lecture
							Emphasis on research designs,			
1							testing hypotheses, and			
							techniques for collecting data			
1							such as questionnaire formation,			
l					Applied		sampling, surveys, scaling,			
			Research		Behaviora		interviewing, and analysis of			
Fall 2007	ABS701	701	Methods I	ABS	I Science	4	documents and records	GR	LE	Lecture
							Analysis and interpretation of			
					Applied		data in social research, with			
			Research		Behaviora		emphasis on multivariate			
Fall 2007	ABS702	702	Methods II	ABS	I Science	4	statistical techniques.	GR	LE	Lecture
							Addresses issues pertaining to			
							the collection and analysis of			
							data in various settings, for the			
					Applied		purpose of program evaluation,			
			Applied		Behaviora		policy analysis, and other applied			
Fall 2007	ABS703	703	Methodology	ABS	I Science	4	objectives.	GR	LE	Lecture
							Focuses on theories of anomie,			
							alienation, social disorganization,			
							and social dysfunction that			
							underline contemporary			
			T		Applied		paradigms in the study of			
F - II 2007	ADC754	754	Theoretical	ADC	Behaviora		deviance, criminology, and	CD.	. =	1 1
Fall 2007	ABS751	751	Foundations	ABS	I Science	4	criminal justice.	GR	LE	Lecture
							Study of contemporary theories			
							of deviant behavior from both an			
							institutional and social-			
					Applied		psychological perspective, with			
			Evoloinina		Applied		emphasis on the relationship			
Eall 2007	ADCZEO	752	Explaining	ADC	Behaviora		between social change and social		LE	Locture
Fall 2007	ABS752	752	Crime	ABS	I Science	4	disorganization.	GR	LE	Lecture

							(Also listed as SOC 770). An			
			Seminar on		Applied		investigation of the criminal justice system in the United			
			Criminal		Behaviora		States and its relation to deviant			
Fall 2007	ABS753	753	Justice	ABS	I Science	1	adult and juvenile behavior.	GR	LE	Lecture
1 all 2007	AD3733	755	Justice	ADS	1 Julience	4	Seminar in the design and	GK	LL	Lecture
							methods used in health care			
							research and evaluation.			
							Emphasis on current and future			
					Applied		areas of health care research			
			Meth in HIth		Behaviora		and evaluation. Focus of seminar			
Fall 2007	ABS775	775	Care Res&Ev	ABS	I Science	Δ	is on skill development.	GR	LE	Lecture
1 411 2007	ADSTTS	773	Care Resalt	ADS	1 Science		Independent laboratory or field	OIX	LL	Lecture
					Applied		research under the sponsorship			
			Independent		Behaviora		of a faculty supervisor. Graded			Independe
Fall 2007	ABS777	777	Research	ABS	I Science	1	pass/unsatisfactory.	GR	IS	nt Study
r dii 2007	71.50777		Rossaron	7.50	1 00101100	·	On-site participation of students			The orday
							in selected behavioral science			
					Applied		projects. Jointly supervised by			
			Practicum in		Behaviora		faculty and on-site personnel.			
Fall 2007	ABS779	779	ABS	ABS	I Science	2	May be repeated once for credit.	GR	PR	Practicum
							In-depth coverage of special			
							topics in applied behavioral			
			Graduate		Applied		science. Topics vary. May be			
			Seminar in		Behaviora		taken for a letter grade or			
Fall 2007	ABS788	788	ABS	ABS	I Science	1	pass/unsatisfactory.	GR	SE	Seminar
					Applied					
			Continuing		Behaviora					Independe
Fall 2007	ABS789	789	Registration	ABS	I Science	1	Continuing Registration.	GR	IS	nt Study
							Practical Application of			
					Applied		knowledge gained through			
			ABS Graduate		Behaviora		student courses is applied to a			Independe
Fall 2007	ABS798	798	Project	ABS	I Science	1	capstone experience. Graded	GR	IS	nt Study
			Graduate		Applied					
			Thesis		Behaviora		Research for the Master's degree			Independe
Fall 2007	ABS799	799	Research	ABS	I Science	1	thesis.	GR	IS	nt Study

		1		1			I		
						Introduction to accounting for			
						business enterprises. Includes			
						analysis of the effect of			
						transactions on financial position,			
						preparation of financial			
						statements, the recording			
						process, and measurement			
			Accounting		Accounta	issues and reporting			
Fall 2007	ACC204	204	Principles I	ACC	ncy	4 requirements for assets.	UG	LE	Lecture
						Introduction to accounting for			
						business enterprises. Includes			
						analysis of the effect of			
						transactions on financial position,			
						preparation of financial			
						statements, reports for			
			Accounting		Accounta	managers, and financial			
Fall 2007	ACC205	205	Principles II	ACC	ncy	4 statement analysis.	UG	LE	Lecture
						This course is designed to inform			
						students of career opportunities			
			Career			in accounting, and what steps			
			Planning in		Accounta	they need to take to achieve			
Fall 2007	ACC207	207	Acctg	ACC	ncy	1 those opportunities.	UG	LE	Lecture
						Course examines financial			
						accounting concepts and its			
						application to complex problems			
						in the measurement of balance			
						sheet accounts, determination of			
						net income and preparation of			
						financial statements. Course			
			Intermediate		Accounta	emphasizes measurement and			
Fall 2007	ACC307	307	Accounting I	ACC	ncy	4 reporting of assets.	UG	LE	Lecture
			3			Course examines financial			
						accounting concepts and their			
						application to complex			
						measurement problems and the			
						preparation of financial			
			Intermediate		Accounta	statements. A grade of C or			
Fall 2007	ACC308	308	Acc II	ACC	ncy	4 better is required in ACC 307.	UG	LE	Lecture

						To study the accounting			
						principles and techniques use	d to		
						consolidate parent and subsic			
						companies at the date of	ai y		
						combination and in subseque	at		
			Advanced		Accounta	periods. A grade of C or bette			
Fall 2007	ACC309	309		ACC		required in ACC 308.	UG	LE	Lecture
Fall 2007	ACC309	309	Accounting	ACC	ncy	Application of managerial	UG	LE	Lecture
						accounting concepts and			
						techniques to complex proble			
F 11 0007	100000	000	Management	4.00	Accounta	in manufacturing accounting			
Fall 2007	ACC323	323	Accounting	ACC	ncy	4 service firms.	UG	LE	Lecture
						Design and accounting databases	ase,		
						modeling accounting			
						transactions for database			
						enviornment, use of CASE too			
						for database design, discussion	n		
			ACC Sys		Accounta	of accounting ASP and use of			
Fall 2007	ACC326	326	Design & Impl	ACC	ncy	4 web-based accounting packag		LE	Lecture
						Considers the methodology of	•		
						the federal income tax as it			
						applies to individuals. Analysis	s of		
						the determinants of taxable			
						income and the tax liability			
						including property transfers,			
			Federal		Accounta	recapture, passive activities a	nd		
Fall 2007	ACC343	343	Income Tax I	ACC	ncy	4 income characterization.	UG	LE	Lecture
						This course provides an overv	riew		
						of financial, operational and			
						compliance audits. Key auditi	ng		
						concepts are introduced:	-		
						materiality, risk assessment,			
						audit objectives, evidence,			
						internal control considerations	S,		
					Accounta	and computer assisted audit			
Fall 2007	ACC423	423	Auditing	ACC	ncy	4 techniques.	UG	LE	Lecture

	T	1		I			l .		
						Identification and analysis of			
						issues in either auditing,			
						management accounting, or			
						financial accounting. Check			
						department for topic in quarter.			
			Accounting		Accounta	Writing intensive.			
Fall 2007	ACC424	424	Seminar	ACC	ncy	4	UG	LE	Lecture
			Writing in ACC		Accounta	Required writing component for			
Fall 2007	ACC424W	424W	424	ACC	ncy	0 ACC 424.	UG	LB	Lab
						An introduction to the federal			
						income taxation of business			
						entities and owners. Considers			
						state and local taxes and their			
						impact on tax strategies.			
						Introduction to the legal and			
			Federal		Accounta	ethical responsibilities of the tax			
Fall 2007	ACC444	444	Income Tax II	ACC	ncy	4 practitioner.	UG	LE	Lecture
						Examines comparative country			
						practices and the international			
						aspects of various accounting			
						topicsfinancial and managerial			
						accounting, social accounting,			
			International		Accounta	inflation accounting, auditing and			
Fall 2007	ACC454	454	Accounting	ACC	ncy	4 taxation.	UG	LE	Lecture
			Special Topics		Accounta				
Fall 2007	ACC477	477	in ACC	ACC	ncy	1 Topics and prerequisites vary.	UG	LE	Lecture
						Research in accounting for			
			Hon: Ind		Accounta	fulfillment of the Honors			Independe
Fall 2007	ACC478	478	Study in ACC	ACC	ncy	2 Program project requirement.	UG	IS	nt Study
						One quarter, faculty-supervised			
						internship in the areas of public,			
						industrial, or governmental			
						accounting. At the conclusion of			
						the internship the student is			
						required to submit a report			
						based on a topic agreed upon			
			Internship in		Accounta	between the student and the			
Fall 2007	ACC481	481	Accounting	ACC	ncy	4 sponsoring faculty.	UG	IN	Internship

						Course examines measurement			
						and reporting concepts and			
						standards for business			
						enterprises. Includes financial			
						accounting concepts and the			
						application of accounting			
						principles for measurement of			
						balance sheet accounts, income			
			Financial		Accounta	and the preparation of financial			
Fall 2007	ACC611	611	Accounting I	ACC	ncy	4 statements.	GR	LE	Lecture
						Course examines measurement			
						and reporting concepts and			
						standards for business			
						enterprises. Course continues			
						ACC 611 and emphasizes long-			
						term liability and equity			
			Financial		Accounta	accounts, business combinations,			
Fall 2007	ACC612	612	Accounting II	ACC	ncy	4 and reporting by consolidated	GR	LE	Lecture
						Accounting concepts, techniques			
						and accounting procedures for			
						manufacturing and service			
			ACC for			enterprises. Application of			
			Decision		Accounta	accounting concepts to			
Fall 2007	ACC613	613	Making	ACC	ncy	4 management decision making.	GR	LE	Lecture
						Considers the methodology of			
						the federal income tax as it			
						applies to individuals and			
						business entities. Application of			
						the mechanics of the federal			
					Accounta	income tax in computing taxable			
Fall 2007	ACC614	614	Taxation	ACC	ncy	4 income and the tax liability.	GR	LE	Lecture

			Accounting		Accounta	Use accounting systems to record business transactions and generate financial information. Assess the design, implement and evaluate controls for accounting systems. Course will include completion of one or			
Fall 2007	ACC615	615	Systems	ACC	ncy	4 more practice sets.	GR	LE	Lecture
			Auditing and		Accounta	This course is an introduction to professional standards for financial statements audits, emphasizing risk assessment and planning considerations, audit objectives, procedures, and reports. Other assurance services provided by CPAs are			
Fall 2007	ACC616	616	Assurance	ACC	ncy	4 also addressed.	GR	LE	Lecture
Fall 2007	ACC642	642	Govt and NFP Accounting	ACC	Accounta ncy	Application of fund accounting concepts to governmental and not-for-profit entities. Includes accounting procedures and preparation of financial statements.	GR	LE	Lecture
			Fin ACC Adv		Accounta	A survey of accounting theory, standard setting and accounting procedures. Includes an intensive study of the balance sheet and income statement and the underlying accounting principles. Accounting research			
Fall 2007	ACC741	741	Topics/Resrch	ACC	ncy	4 will be integrated throughout the	GR	LE	Lecture
						Application of fund accounting concepts to governmental and not-for-profit entities. Includes accounting procedures and			
F-II 0007	A C C 7 4 C	740	Govt and NFP	A C C	Accounta	preparation of financial	CD		1 1
Fall 2007	ACC742	742	Accounting	ACC	ncy	4 statements.	GR	LE	Lecture

						Introduction to the methodology			
						Introduction to the methodology			
						of tax research and the			
						authoritative tax sources.			
						Applications of research			
						techniques in the analysis of			
			Tax-Adv			special tax topics related to			
			Topic/Researc		Accounta	individuals, corporations,			
Fall 2007	ACC743	743	h	ACC	ncy	4 partnerships, estates and trusts.	GR	LE	Lecture
						This course provides in depth			
						coverage of professional			
						standards and audit procedures			
						applied to specific business			
						processes, including statistical			
						sampling techniques tests of			
						controls, substantive tests of			
			Attestation		Accounta	transactions and balances and			
Fall 2007	ACC744	744	Top/Research	ACC	ncy	4 analytical procedures.	GR	LE	Lecture
						Advanced IT topics related to			
						accounting professionals. Topics			
						include the role of accounting			
						information systems, the roles			
						and responsibilities within the IT			
						function, accounting databases,			
						high-end accounting software, E-			
			ACC & Info		Accounta	Commerce, and emerging IT			
Fall 2007	ACC745	745	Technology	ACC	ncy	4 tools.	GR	LE	Lecture
						Analysis of financial statements			
						emphasizing manipulation,			
						covering usual financial			
						statement items and special			
						situations (e.g. M&A, retiremnt			
						benefits, off-balance sheet			
						financing). Focus on adjusting			
			Analyzing Fin		Accounta	statements to better reflect a			
Fall 2007	ACC746	746	Statements	ACC		4 firm's true financial condition.	GR	LE	Lecture
1 all 2007	ACC/40	740	Statements	ACC	ncy	4 IIIIII 3 true mianciai conuntion.	UK	LL	LECTUIE

						This course is a review of professional certification			
			Professional		Accounta	examination requirements and			
Fall 2007	ACC747	747	Issues Sem	ACC	ncy	1 study techniques.	GR	SE	Seminar
						Provides students an			
						understanding of sound			
						corporate governance principles			
						and an ability to apply			
						professional ethics standards for			
						accountants and an awareness			
			Ethics & Corp		Accounta	of ethical dilemmas commonly		l	
Fall 2007	ACC748	748	Governance	ACC	ncy	4 faced by accounting	GR	LE	Lecture
						Student teams work with client			
						organizations on accounting			
						projects and present results to			
E 11 0007	400750	750	Graduate	400	Accounta	client personnel and a panel of	0.0		
Fall 2007	ACC750	750	Project in ACC	ACC	ncy	4 accounting professionals.	GR	LE	Lecture
						This course covers the			
						theoretical principles and			
			D		0	practical techniques used to			
Fall 2007	ACC7F/	75/	Business	100	Accounta	conduct effective valuations of	CD		Looturo
Fall 2007	ACC756	756	Valuation	ACC	ncy	4 closely held businesses.	GR	LE	Lecture
						Study of accounting from an			
						international perspective,			
						concentrating on differential developments among various			
						nations. Accounting problems of			
			International		Accounta	an international nature are			
Fall 2007	ACC757	757	Accounting	ACC		4 analyzed.	GR	LE	Lecture
Fall 2007	ACC757	737	Accounting	ACC	ncy	One quarter, faculty-supervised	GK	LE	Lecture
						internship in the area of public,			
						industrial, or not-for-profit			
						accounting. Course requires			
						written reports. Students may			
						register for internship twice			
						during their graduate programs.			
			Accounting		Accounta	May be taken for letter grade of			
Fall 2007	ACC775	775	Internship	ACC	ncy	1 pass/unsatisfactory.	GR	IN	Internship

						Titles vary. Seminar in			
			Special Topics		Accounta	accounting topic of current			
Fall 2007	ACC780	780	in ACC	ACC	ncy	4 interest.	GR	LE	Lecture
			Special		Accounta				
Fall 2007	ACC781	781	Studies in ACC	ACC	ncy	1 Titles vary.	GR	LE	Lecture
1 411 2007	7.00701	701	Continuing	7100	Accounta	Titles vary.	OIX		Locture
Fall 2007	ACC789	789	Registration	ACC	ncy	1	GR	LE	Lecture
			0			Understanding child growth and			
						development through creative			
						expression with emphasis on			
						functions and procedures for art			
						in the classroom. Includes			
						curriculum implementation			
						strategies. Experiences in art			Lecture/La
						media appropriate to the			b
			Art and the		Art	elementary school and in-field			Combinatio
Fall 2007	AED431	431	Child	AED	Education	4 observations of art in the	UG	LL	n
						Independent work that extends			
						and amplifies students'			
						knowledge of philosophy,			
						aesthetics, and creative and			
						mental growth as related to art			
						teaching and art education			
						curricula. Emphasis on current			
			Independent		Art	books, magazines, and research			Independe
Fall 2007	AED630	630	Readings	AED	Education	3 in art education.	GR	IS	nt Study
						Develops and understanding of			
						child growth and development			
						through creative expression.			
						Emphasis is on functions and			
						procedures of art in the			
						classroom and experiences in			Lecture/La
						drawing and painting. Emphasis			b
			Art and the		Art	on assessment and use of			Combinatio
Fall 2007	AED631	631	Child	AED	Education	4 technology.	GR	LL	n

							Theoretical/practical methods of			
							teaching multi-age visual arts.			
							Integration of artistic and			
							educational ideas into creative			
							programs as continuum of issues			Lecture/La
			Multi Ago							
			Multi-Age		A4		and skills for the developing art			b Camabinatia
F-II 2007	AED (20	(20	Visual Arts	450	Art		education with mentorship by	CD		Combinatio
Fall 2007	AED638	638	Methods	AED	Education		master teachers.	GR	LL	n
							Readings, project,			
							participation/observation clinic			
							experience, or other appropraite			
							study on an independent basis.			
			Independent		Art		Work is supervised by an art			Independe
Fall 2007	AED770	770	Study	AED	Education		therapy faculty member.	GR	IS	nt Study
							An introduction to USAF ROTC.			
							Topics include: mission and			
							organization of the Air Force,			
							officership and professionalism,			
							military customs and courtesies,			
							Air Force officer opportunities,			
			The Air Force		Aerospac		group leadership problems, and			
Fall 2007	AES121	121	Today I	AES	e Studies		communication skills.	UG	LE	Lecture
			Leadership		Aerospac					
Fall 2007	AES121L	121L	Lab	AES	e Studies	0	Required laboratory for AES 121.	UG	LB	Lab
							An introduction to the USAF			
							ROTC. Topics include: mission			
							and organization of the Air			
							Force, officership and			
							professionalism, military customs			
							and courtesies, Air Force officer			
			The Air Force		Aerospac		opportunities, group leadership			
Fall 2007	AES122	122	Today II	AES	e Studies		problems, and communication	UG	LE	Lecture
1 411 2007	ALJIZZ	122	Leadership	ALJ	Aerospac	Į.	problems, and communication	50	LL	Lecture
Fall 2007	AES122L	122L	Lab	AES	e Studies	0		UG	LB	Lab
1 UII 2007	, LUIZZL	1226	Lub	, LLU	o otadios	U		00	LD	Lub

		T				An introduction to LICAE DOTO			
						An introduction to USAF ROTC.			
						Topics include: mission and			
						organization of the Air Force,			
						officership and professionalism,			
						military customs and courtesies,			
						Air Force officer opportunities,			
			The Air Force		Aerospac	group leadership problems, and			
Fall 2007	AES123	123	Today III	AES	e Studies	1 communication skills.	UG	LE	Lecture
			Leadership		Aerospac				
Fall 2007	AES123L	123L	Lab	AES	e Studies	0	UG	LB	Lab
						A survey course facilitating the			
						transition from Air Force ROTC			
						cadet to ROTC candidate.			
						Featured topics include: Air			
						Force heritage, leaders, Quality			
						Air Force, ethics and values,			
						leadership, group leadership			
			The Air Force		Aerospac	problems, and application of			
Fall 2007	AES221	221	Way I	AES	e Studies	1 communication skills.	UG	LE	Lecture
			Leadership		Aerospac				
Fall 2007	AES221L	221L	Lab .	AES	e Studies	0 Required laboratory for AES 221.	UG	LB	Lab
						A survey course facilitating the			
						transition from Air Force ROTC			
						cadet to ROTC candidate.			
						Featured topics include: Air			
						Force heritage, leaders, Quality			
						Air Force, ethics and values,			
						leadership, group leadership			
			The Air Force		Aerospac	problems, and application of			
Fall 2007	AES222	222	Way II	AES	e Studies	1 communication skills.	UG	LE	Lecture
			Leadership		Aerospac				
Fall 2007	AES222L	222L	Lab	AES	e Studies	0	UG	LB	Lab

Fall 2007	AES223	223	The Air Force Way III	AES	Aerospac e Studies	A survey course facilitating the transition from the USAF ROTC cadet to ROTC candidate. Featured topics include: Air Force heritage, leaders, Quality Air Force, ethics and values, leadership, group leadership problems, and application of 1 communication skills.	UG	LE	Lecture
			Leadership		Aerospac				
Fall 2007	AES223L	223L	Lab	AES	e Studies	0	UG	LB	Lab
			AF Leadership		Aerospac	Study of leadership and quality management fundamentals, professional knowledge, the USAF doctrine, leadership ethics, and communication skills. Case studies are used to examine the USAF leadership and			
Fall 2007	AES331	331	Mgmt I	AES	e Studies	3 management situations.	UG	LE	Lecture
Fall 2007	AES331L	331L	Leadership Lab	AES	Aerospac e Studies	O Required laboratory for AES 331. Study of leadership and quality management fundamentals, professional knowledge, the USAF doctrine, leadership ethics, and communication skills. Case studies are used to examine the	UG	LB	Lab
F-II 2007	A E C 2 2 2	222	AF Leadership	A E C	Aerospac	USAF leadership and	110		Lastins
Fall 2007	AES332	332	Mgmt II	AES	e Studies	3 management situations.	UG	LE	Lecture
Fall 2007	AES332L	332L	Leadership Lab	AES	Aerospac e Studies	0	UG	LB	Lab

						Study of leadership and quality			
						management fundamentals,			
						professional knowledge, the			
						USAF doctrine, leadership ethics,			
						and communication skills. Case			
						studies are used to examine the			
			AF Leadership		Aerospac	USAF leadership and			
Fall 2007	AES333	333		AES	e Studies	3 management situations.	UG	LE	Lecture
raii 2007	AESSSS	333	Leadership	AES		3 management situations.	UG	LE	Lecture
Fall 2007	AES333L	333L	•	AES	Aerospac e Studies	0	UG	LB	Lab
Fall 2007	AESSSSL	SSSL	Lau	ALS	e studies	Examines national security	UG	LD	Lab
						process, regional studies,			
						advanced leadership ethics, and			
						the USAF doctrine. Topics			
						include the military as a			
						profession, officership, military			
						justice, civilian control of the			
			Drop for Active		Acrospoo	military, current issues, and			
Fall 2007	AES431	431	Prep for Active Duty I	AES	Aerospac e Studies	3 refining communication skills.	UG	LE	Lecture
raii 2007	AE3431	431	Leadership	AES	Aerospac	3 Terring Communication Skiis.	UG	LE	Lecture
Fall 2007	AES431L	431L	Lab	AES	e Studies	0 Required laboratory for AES 431.	UG	LB	Lab
raii 2007	AE3431L	431L	Lau	AES	e studies	Examines national security	UG	LD	Lau
						process, regional studies,			
						advanced leadership ethics, and			
						the USAF doctrine. Topics			
						include the military as a			
						profession, officership, military			
						justice, civilian control of the			
			Prep for Active		Aerospac	military, current issues, and			
Fall 2007	AES432	432	Duty II	AES	e Studies	3 refining communication skills.	UG	LE	Lecture
1 all 2007	ALJ432	432	Leadership	ALJ	Aerospac	5 Terming Communication Skills.	00	LL	Lecture
Fall 2007	AES432L	432L	Lab	AES	e Studies	0	UG	LB	Lab
1 all 2007	ALJ4JZL	4JZL	Lab	ALJ	e studies	U	UG	LD	Lau

						Examines national security			
						process, regional studies,			
						advanced leadership ethics, and			
						the USAF doctrine. Topics			
						·			
						include the military as a			
						profession, officership, military			
						justice, civilian control of the			
			Prep for Active		Aerospac	military, current issues, and			
Fall 2007	AES433	433	Duty III	AES	e Studies	3 refining communication skills.	UG	LE	Lecture
			Leadership		Aerospac				
Fall 2007	AES433L	433L	Lab	AES	e Studies	0	UG	LB	Lab
						A historical and methodological			
						analysis of both African histories			
						and cultures and the history of			
						the diaspora struggles of persons			
					Afr /Afr	of African descent to create a life			
			AFR/AFR Amer		Amer	and distinct culture among world			
Fall 2007	AFS200	200	Experience	AFS	Studies	4 civilizations.	UG	LE	Lecture
					Afr /Afr				
			Writing in AFS		Amer	Required writing component for			
Fall 2007	AFS200W	200W	200	AFS	Studies	0 AFS 200.	UG	LB	Lab
						A critical study of real-life			
						problems impacting African and			
						African American life: economics,			
						education, crime, gender issues,			
						urban problems, globalism, etc.			
						This course utilizes real-life			
					Afr /Afr	models of succes as examples of			
			AA Persp &		Amer	how to effectively overcome			
Fall 2007	AFS300	300	•	AFS	Studies	4 these problems.	UG	LE	Lecture
1 4.11 2307	7 11 0000	000	Model of odes	7.1. 0	Otaalos	Field placement of students in			Lootaro
						community organizations, social			
						service agencies, and			
						governmental entities where			
						they will engage in work that			
					Afr /Afr	relates to and enhances their			
			Service		Amer	understanding of the African			
Fall 2007	AFS400	400	Experience	AFS	Studies	4 American experience.	UG	IN	Internehin
Fall 2007	AF 3400	400	Expendence	ALO	Studies	4 Аппенсан ехрепенсе.	UG	111	Internship

							Divided over two quarters, this			1
							course allows students to bring			
							their study in the major to			
							completion through major			
			Senior		Afr /Afr		research project that focuses on			
			Research		Amer		one specific aspect of African or			
Fall 2007	AFS401	401	Project	AFS	Studies	2	African American life.	UG	IN	Internship
1 dii 2007	AI 3401	701	rroject	Al 3	Studies		This course studies the religious	00	114	Писты
					Afr /Afr		ideas that defined and sustained			
			Ideas of Race.		Amer		antiblack practices from 1619 to			
Fall 2007	AFS402	402	1619-1865	AFS	Studies	1	1865.	UG	LE	Lecture
1 all 2007	AI 3402	402	1019-1003	AI 3	Afr /Afr	4	1003.	00	LL	Lecture
			Writing in		Amer					
Fall 2007	AFS402W	402W	Ideas of Race	AFS	Studies	0		UG	LB	Lab
1 all 2007	AI 3402W	40200	lueas of Race	AI 3	Studies		This course studies the religious	00	LD	Lab
					Afr /Afr		ideas that defined and sustained			
			Ideas of Race		Amer		antiblack practices from 1950 to			
Fall 2007	AFS403	403	1950-Pres	AFS	Studies	1	the present.	UG	LE	Lecture
Fall 2007	AF3403	403	1950-F165	AFS	Afr /Afr	4	the present.	UG	LC	Lecture
					Amer					
Fall 2007	AFS403W	403W	Writing in AFS	ΔFS	Studies	0		UG	LB	Lab
1 411 2007	AI 3403W	+03VV	Witting in Ai 5	Al 3	Studies		Selected topics relevant to	00	LD	Lab
							historical and current issues in			
					Afr /Afr		African and African American			
					Amer		studies. Course may be repeated			Independe
Fall 2007	AFS499	499	Special Topics	AFS	Studies	1	for up to four credit hours.	UG	IS	nt Study
1 411 2007	AI 3477	7//	Special Topics	Al 3	Studies	<u>'</u>	This course studies the religious	00	13	Tit Study
					Afr /Afr		ideas that defined and sustained			
			Ideas of Race		Amer		anti-Black practices from 1619-			
Fall 2007	AFS602	602	1619-1865	AFS	Studies	1	1865.	GR	LE	Lecture
1 411 2007	AI 3002	002	1017-1003	N 3	Judies	4	This course studies the religious	OI.	LL	Lociule
					Afr /Afr		ideas that defined and sustained			
			Ideas of Race		Amer		anti-Black practices from 1950 to			
Fall 2007	AFS603	603	1950-Present	AFS	Studies	1	the present.	GR	LE	Lecture
1 all 2007	VI 2002	003	1750-F1636111	VI 2	Judies	4	the breacht.	UΙ	LL	Lecture

						Ta			
						Osteology; histology of basic			
						tissues; and topographical,			
						histological, and developmental			
						anatomy of nervous and			
						endocrine systems. Laboratory			
			Basic Human			exercises use human materials.			
Fall 2007	ANT201	201	Anatomy I	ANT	Anatomy	4 2.5 hours lecture, three hours	UG	LE	Lecture
			Basic Human			Required Laboratory for ANT			
Fall 2007	ANT201L	201L	Anat I Lab	ANT	Anatomy	0 201.	UG	LB	Lab
						Basic topographical, histological,			
						and develop-mental anatomy of			
						the muscular, cardiovascular,			
						digestive, respiratory, urinary,			
						and reproductive systems.			
			Basic Human			Laboratory exercises use human			
Fall 2007	ANT202	202	Anatomy II	ANT	Anatomy	4 materials. 2.5 hours lecture,	UG	LE	Lecture
			Basic Human		, ,	Required Laboratory for ANT			
Fall 2007	ANT202L	202L	Anat II Lab	ANT	Anatomy	0 202.	UG	LB	Lab
					, ,	The basic principles and			
						practices of biosafety are			
						examined. This course teaches			
						the identification, handling, and			
						containment of potentially			
						hazardous biological materials,			
			Biological			including microorganisms and			
Fall 2007	ANT434	434	Safety	ANT	Anatomy	2 recombinant DNA.	UG	LE	Lecture
	7		Independent		7a.coy				Independe
Fall 2007	ANT488	488	Reading	ANT	Anatomy	1	UG	IS	nt Study
1 411 2007	7.1.1.100	100	Sel Topics in		rulatomy	May be taken for letter grade or		1.0	Independe
Fall 2007	ANT499	499	Anatomy	ANT	Anatomy	1 pass/unsatisfactory.	UG	IS	nt Study
		1111				The skeletal, articular, nervous,			
						cardiovascular, and respiratory			
						systems are presented as they			
						pertain to the muscular system.			
						Basic muscle actions are			
						described; sequential muscle			
			Anatomy of			actions and other concepts of			
Fall 2007	ANT520	520	Human Motion	ANT	Anatomy	5 kinesiology will not be discussed.	GR	LE	Lecture
1 all 2007	ANTOLU	JZU	TIGITIAN MOUNT	CAINI	Anatomy	J Killesiology Will Hot be discussed.	UIV	LL	Lecture

			Anatomy of						
			Human Motion			Required Laboratory for ANT			
Fall 2007	ANT520L	520L	L	ANT	Anatomy	0 520.	GR	LB	Lab
						The basic principles and practices of biosafety are examined. This course teaches the identification, handling, and			
						containment of potentially hazardous biological materials,			
			Blological			including microorganisms and			
Fall 2007	ANT634	634	•	ANT	Anatamy	2 recombinant DNA.	GR	LE	Lecture
raii 2007	AN 1034	034	Safety	AIVI	Anatomy	(Also listed as BMS 913.)	GK	LE	Lecture
						Development, structure, and			
						function of the human nervous			
						system as it relates to			
						neuropathology, clinical			
						neurology, and behavioral			
						science. Completion of general			
			Human			biology and/or general			
			Neurobiology			psychology courses and			
Fall 2007	ANT691	691	Fund	ANT	Anatomy	4 permission of instructor required.	GR	LE	Lecture
					,	Maximum of 4 credit hours			
			Spec Problems			applicable to degree			Independe
Fall 2007	ANT699	699	in Anatomy	ANT	Anatomy	1 requirements.	GR	IS	nt Study
						Overview of gross anatomy,			
						histology, neuroanatomy,			
						embryology, and educational			
						theory that enables students to			
						be more effective in the teaching			
						of undergraduate courses in			
			Human			anatomy. For first-year graduate			
			Anatomy			teaching assistants in the			Independe
Fall 2007	ANT700	700	Instruction	ANT	Anatomy	2 Department of Anatomy only.	GR	IS	nt Study
			Human						
			Anatomy			Required Laboratory for ANT			
Fall 2007	ANT700L	700L	Instruct La	ANT	Anatomy	0 700.	GR	LB	Lab

			Selected						
			Anatomy			Selected topics in anatomy.			Independe
Fall 2007	ANT701	701	Topics	ANT	Anatomy	1 Topics vary.	GR	IS	nt Study
						Students will learn to prepare			
						anatomical specimens for			
						teaching and research.			
						Techniques will include			
						preparation of prosected			
						materials, preparation of tissues			
						for microscopy, processing of			
						photographic materials, or other			
						laboratory techniques. The			
			Anatomical			course may be repeated once for			
Fall 2007	ANT702	702	Techniques	ANT	Anatomy	3 credit.	GR	LB	Lab
						(Also listed as BMS 837.)			
						Lectures and dissection of			
						human cadaver; includes			
			Human Gross			introductory embryology. 3.5			
Fall 2007	ANT711	711	Anatomy	ANT	Anatomy	9 hours lecture, 9 hours lab.	GR	LE	Lecture
			Human Gross			Required Laboratory for ANT			
Fall 2007	ANT711L	711L	Anatomy Lab	ANT	Anatomy	0 711.	GR	LB	Lab
						Classical and contemporary			
						issues in human developmental			
						biology. Emphasis is on the			
						clinical relevance of			
						developmental processes, and or	1		
			Adv Human			modern methods used to study			
Fall 2007	ANT715	715	Embryology	ANT	Anatomy	4 the mechanisms of development.	GR	LE	Lecture
						Detailed microanatomy of human			
			Human			cells, tissues, and organ			
Fall 2007	ANT721	721	Microanatomy	ANT	Anatomy	8 systems. 3 hours lecture, 6 hours	GR	LE	Lecture
			Human						
			Microanatomy			Required Laboratory for ANT			
Fall 2007	ANT721L	721L	Lab	ANT	Anatomy	0 721.	GR	LB	Lab

						(Also listed as BMS 903.) Detailed survey of the anatomy and physiology of the major fiber			
						tracts and cell groups of the			
			Human			human central nervous system. 3			
Fall 2007	ANT731	731	Neurobiology	ANT	Anatomy	7 hours lecture, 4 hours lab.	GR	LE	Lecture
			Human Neurobiology						
Fall 2007	ANT731L	731L	Lab	ANT	Anatomy	0 Required laboratory for ANT 731.	GR	LB	Lab
			Cellular			Correlated ultrastructure, chemistry, and physiology of vertebrate neurons, neuroglia, and synapses under normal conditions and during development, degeneration, and			
Fall 2007	ANT732	732	Neurobiology	ANT	Anatomy	3 regeneration.	GR	LE	Lecture
1 411 2007	71111732	732	Cellular Neurobiology	71111	Tinatomy	5 regeneration.	OK .		Locidio
Fall 2007	ANT732L	732L	Lab	ANT	Anatomy	0 Required laboratory for ANT 732.	GR	LB	Lab
			Medical			(Also listed as P&B 777 and BMS 854.) Interdisciplinary/interdepartment al course for graduate and medical students that integrates basic and clinical neurosciences. Structural and functional topics are combined with clinical information to address major			
Fall 2007	ANT777	777	Neuroscience	ANT	Anatomy	7 neurological and psychiatric	GR	LE	Lecture
			Continuing			<u> </u>			Independe
Fall 2007	ANT789	789	Registration	ANT	Anatomy	1	GR	IS	nt Study
			Anatomy			Topics vary. Graded			
Fall 2007	ANT800	800	Seminar	ANT	Anatomy	1 pass/unsatisfactory.	GR	SE	Seminar

							Integrates general principles and concepts of the following			
							systems: cardiovascular,			
							gastrointestinal, lymphatic,			
							nervous, respiratory, endocrine,			
							integumentary, muscular,			
							reproductive, and urinary.			
							Knowledge is assessed by an			
							oral examination before a faculty			
			Comprehensiv				review committee. Graded			Independe
Fall 2007	ANT811	811	e Anatomy	ANT	Anatomy	5	pass/unsatisfactory.	GR	IS	nt Study
							Intensive analysis of scientific			J
							literature with emphasis on			
							content and organization of			
							anatomical journal articles.			
							Course concludes with oral			
							presentations of student projects			
							involving contemporary			
			Scholarly				anatomical issues based on			Independe
Fall 2007	ANT850	850	Project I	ANT	Anatomy	3	selected journal articles.	GR	IS	nt Study
							Project culminates in a paper on			
							a contemporary anatomical issue			
							in which students integrate the			
							primary objectives, results, and			
							significance of selected journal			
			Scholarly				articles and identify areas for			Independe
Fall 2007	ANT851	851	Project	ANT	Anatomy	4	potential research.	GR	IS	nt Study
							Principles of Biomedical Research			
							is appropriate for students that			
							will be involved in biomedical			
							research. PBR provides a lecture			
			Prin				and student interactive series			
			Biomedical				designed to introduce students			
Fall 2007	ANT860	860	Research	ANT	Anatomy	1	to the basics of biomedical	GR	LE	Lecture
			Anatomy							Independe
Fall 2007	ANT899	899	Research	ANT	Anatomy	1	Supervised thesis research.	GR	IS	nt Study
			Grad Seminar-							
Fall 2007	ANT900	900	Anatomy	ANT	Anatomy	1	Topics vary.	GR	SE	Seminar

			Essentials of			Introduction to Arabic with an emphasis on speaking the			
Fall 2007	ARA111	111	Arabic	ARA	Arabic	4 language.	UG	LE	Lecture
						Introduction to Arabic with an			
			Essentials of			emphasis on speaking the			
Fall 2007	ARA112	112	Arabic	ARA	Arabic	4 language.	UG	LE	Lecture
						Introduction to slide taking,			
						matting and framing and			
						professional opportunities for art			
						majors. This course is a			Lecture/La
						prerequisite for all upper level			b
			Sophomore			studio art courses. Graded			Combinatio
Fall 2007	ART200	200	Workshop	ART	Art	1 pass/unsatisfactory.	UG	LL	n
						Introduction to materials,			
						techniques, and concepts of			
Fall 2007	ART206	206	Drawing I	ART	Art	4 drawing.	UG	LB	Lab
						Exploration of basic processes			
						and concepts in still			
						photography. Work involves			
						learning basic skills and			
						techniques. Assignments			
						designed to develop an			
Fall 2007	ART207	207	Photography I	ART	Art	4 understanding of light as an	UG	LB	Lab
						Introduction to basic processes,			
						materials, and concepts of			
Fall 2007	ART208	208	Sculpture I	ART	Art	4 sculpture.	UG	LB	Lab
			Introduction			Introduction to the study of the			
Fall 2007	ART209	209	to Color	ART	Art	4 elements and interaction of	UG	LB	Lab
						Painting and sculpture before			
						A.D. 1150. Introduces the basic			
						concepts of visual and stylistic			
						analysis and a historical survey			
			Art History I:			of painting and sculpture in the			
			Before 1150			Western world from prehistoric			
Fall 2007	ART211	211	AD	ART	Art	4 to medieval times.	UG	LE	Lecture

						Painting and sculpture from 1150			
						to 1850. Historical survey of			
						painting and sculpture in the			
						Western world from late			
			Art History II:			medieval times to the dawn of			
Fall 2007	ART212	212		ART	Art	4 the modern era.	UG	LE	Lecture
dii 2007	AKIZIZ	212	1130 to 1030	AICI	Ait	Painting and sculpture since	00	LL	Lecture
						1850. Historical survey of			
			Art History III:			modern painting and sculpture in			
Fall 2007	ART213	213		ART	Art	4 the Western world.	UG	LE	Lecture
			Writing in ART						
Fall 2007	ART213W	213W		ART	Art	0	UG	LB	Lab
-						Introduction to the visual arts			
						focusing on selected major			
						works of art throughout history.			
						Discusses comparisons across			
			Visual Art			time, basic art media, and the			
Fall 2007	ART214	214	West Culture	ART	Art	4 formal characteristics of art.	UG	LE	Lecture
						Introductory course in art			
						education involving approaches			
						for aesthetic awareness,			
						inquiries into theories of art, art			
						appreciation and criticism,			
						current issues, as well as child			
						development through art, and			
			Foundations of			art education methodologies.			
Fall 2007	ART215	215	AED	ART	Art	4 (Previously listed as AED 214.)	UG	LE	Lecture
						Introduces concepts and			
						techniques of drawing. May			
						include studies from the human			
						figure and other natural forms.			
Fall 2007	ART228	228	Drawing II	ART	Art	4 Topics vary.	UG	LB	Lab

						Development of personal		
						concepts and aesthetic		
						expression in photography.		
						Emphasis on individualized		
						approach to photographic		
			Photography			problems that arise from		
Fall 2007	ART258	258	II 3 i 3	ART	Art	4 students' work.	LB	Lab
						Studio experience directly		
						involving students with a		
						professional artist executing a		
						special project. Covers a range		
						of information from preliminary		
			Studio			planning to final discussion on		
Fall 2007	ART300	300	Workshop	ART	Art	1 the project. Topics vary.	LB	Lab
			•			Special studies and intensive		
			Independent			individual work with faculty		Independe
Fall 2007	ART301	301	Study in Art	ART	Art	1 supervision in art. UG	IS	nt Study
						Special studies and intensive		
			Independent			individual work with faculty		Independe
Fall 2007	ART303	303	Study in Art	ART	Art	1 supervision in art. UG	IS	nt Study
						Courses offered under this		
			Art Theory			number provide both historical		
			and			surveys and intensive studies in		
Fall 2007	ART309	309	Philosophy	ART	Art	4 art theory and philosophy.	LE	Lecture
						Development of personal		
						concepts and aesthetic		
						expression in drawing. Emphasis		
						on individualized approach to		
			Intermediate			drawing problems that arise from		
Fall 2007	ART328	328	Drawing	ART	Art	4 the work of students. Topics UG	LB	Lab
						Study of visual and aesthetic		
						techniques and concepts		
			Beginning			emphasizing the development of		
			Expanded			individual artistic expression in		
Fall 2007	ART337	337	Media	ART	Art	4 various media. UG	LB	Lab

			Beginning				Working from still, figure, and landscape emphasizing the use of color and drawing in visual			
Fall 2007	ART347	347	Painting	ART	Art		organization.	UG	LB	Lab
							Emphasis on principles of			
							pictorial organization. Attention			
							to the relationship of subject			
							matter and abstraction as related			
			Intermediate				to contemporary and traditional			
Fall 2007	ART348	348	Painting	ART	Art	4	approaches.	UG	LB	Lab
							Emphasis on principles of			
							pictorial organization. Attention			
							to the relationship of subject			
							matter and abstraction as related			
			Intermediate				to contemporary and traditional			
Fall 2007	ART349	349	Painting	ART	Art		approaches.	UG	LB	Lab
							Development of personal			
							concepts and aesthetic			
							expression in photography,			
							Emphasis on individualized			
							approach to photographic			
			Intrmed Blk &				problems that arise from the			
Fall 2007	ART358	358	White Photo	ART	Art		work of students. Topics vary.	UG	LB	Lab
							Development of personal			
							concepts and aesthetic			
							expression in photography.			
							Emphasis on individualized			
							approach to photographic			
			Color				problems that arise from the			
Fall 2007	ART359	359	Photography	ART	Art		work of students. Topics vary.	UG	LB	Lab
							Exploration of printmaking,			
							stressing relief methods using			
							wood and linoleum. Exploration			
			Beg Printmkg:				of aesthetic possibilities of the			
Fall 2007	ART366	366	Relief	ART	Art	4	media. Topics vary.	UG	LB	Lab

							Exploration of printmaking stressing intaglio methods: etching, engraving, drypoint,			
							aquatint, and liftgrounds. Use of black-and-white techniques and			
			Beg Printmkg:				introduction to color printing.			
Fall 2007	ART367	367	Intaglio	ART	Art	4	Topics vary.	UG	LB	Lab
			Ŭ				Introduction to basic lithographic			
							techniques using stone and/or			
							metal plate. Emphasis on black-			
							and-white printing and aesthetic			
			Beg Printmkg:				possibilities of the media. Topics			
Fall 2007	ART368	368	Lithography	ART	Art	4	vary.	UG	LB	Lab
							Introduction to silkscreening			
							techniques such as stencil cut,			
							photo stencil, and crayon and			
							touche resists. Exploration of			
			Beg Printmkg:			_	aesthetic possibilities of the			
Fall 2007	ART369	369	Screenprinting	ARI	Art	4	media. Topics vary.	UG	LB	Lab
							Development of personal			
							concepts and aesthetic			
							expression in sculpture.			
							Emphasis on individualized			
							approach to sculptural problems			
							using armature structure, mould making, and casting. May be			
			Armatures/Mo				taken for letter grade or			
Fall 2007	ART375	375	ulds/Casting	ART	Art	1	pass/unsatisfactory.	UG	LB	Lab
1 dii 2007	AKTOTO	373	ulus/ casting	AIXI	Ait	7	Development of personal	00	LD	Lab
							concepts and aesthetic			
							expression in sculpture.			
							Emphasis on individualized			
							approach to sculptural problems			
							using clay forming and firing.			
			Clay Forming				May be taken for letter grade or			
Fall 2007	ART376	376	and Firing	ART	Art	4	pass/unsatisfactory.	UG	LB	Lab

						Developme	ent of personal			
						·	and aesthetic			
						•	in sculpture.			
						•	on individualized			
						·	to sculptural problems			
						• •	al fabricating and stone			
			Metal Fab /				ay be taken for letter			
Fall 2007	ART377	377	Stone Carving	ART	Art	_	3	UG	LB	Lab
						•	ent of personal			
						•	and aesthetic			
						•	in sculpture.			
						-	on individualized			
i						•	to sculptural problems			
							d carving and wood			
			Wood Carve				. May be taken for			
Fall 2007	ART378	378	and Fabricate	ART	Art	4 letter grad	-	UG	LB	Lab
							on to techniques and			
							nvolved in sculpting			
							Concentration on the			
							ent of greater			
						· ·	ding of the human			
							an increased			
						· ·	to three-dimensional			
							rse may be repeated			
			Sculpt-Figure				May be taken for letter			
Fall 2007	ART379	379	Modeling	ART	Art		3	UG	LB	Lab
-			<u> </u>			e :	on of the history,			
							and literature of			
							and galleries. Various			
			Intro to				gallery management			
			Museum			·	anning, organizing,			
Fall 2007	ART397	397	Studies	ART	Art	•	0 0	UG	LE	Lecture
						Group disc				
						contempor	rary writings in art and			
						·	f student work in a			
						•	ng with faculty and			
			Senior			11.5	ists participating on an			
Fall 2007	ART400	400	Seminar	ART	Art	2 informal ba	asis.	UG	SE	Seminar

			Ind Study in				Intensive individual work with			Independe
Fall 2007	ART401	401	Art History	ART	Art	1	faculty supervision in art history.	UG	IS	nt Study
							Supervised individual projects in			
			Museum/Galle				museum or gallery setting.			Independe
Fall 2007	ART402	402	ry Internship	ART	Art	1	Department permission required.	UG	IS	nt Study
							Provides opportunities to explore			
							problems and approaches to art			
							and art history and includes			
			Studies in Art				cross-period and interdisciplinary			
Fall 2007	ART404	404	History	ART	Art	1	studies.	UG	LE	Lecture
			Writing in Art							
Fall 2007	ART404W	404W	404	ART	Art	0		UG	LB	Lab
							Provides opportunities to explore			Lecture/La
							problems and approaches to art			b
							and includes cross-media and			Combinatio
Fall 2007	ART405	405	Studies in Art	ART	Art	1	interdisciplinary studies.	UG	LL	n
			Art Theory &				Historical surveys and intensive			
Fall 2007	ART409	409	Criticism	ART	Art	4	studies of art theory and	UG	LE	Lecture
			Writing in ART							
Fall 2007	ART409W	409W	409	ART	Art	0		UG	LB	Lab
							General surveys and intensive			
							studies of periods, major			
			Studies in				movements, and artists of the			
Fall 2007	ART410	410	American Art	ART	Art	4	time.	UG	LE	Lecture
			Writing in ART							
Fall 2007	ART410W	410W	410	ART	Art	0		UG	LB	Lab
							(Also listed as CLS 340.) General			
			Studies				surveys and intensive studies of			
			Ancient/Classi				the period, major movements,			
Fall 2007	ART411	411	cal	ART	Art	4	and artists of the time.	UG	LE	Lecture
			Writing in ART							
Fall 2007	ART411W	411W	411	ART	Art	0		UG	LB	Lab
							General surveys and intensive			
							studies of the period, major			
			Studies in				movements, and artists of the			
Fall 2007	ART412	412	Medieval Art	ART	Art	4	time.	UG	LE	Lecture

							General surveys and intensive			
			Studies				studies of the period, major			
			Renaissance				movements, and artists of the			
Fall 2007	ART413	413	Art	ART	Art	4	time.	UG	LE	Lecture
			Writing in ART							
Fall 2007	ART413W	413W	413	ART	Art	0		UG	LB	Lab
							General surveys and intensive			
							studies of the period, major			
			Studies in				movements, and artists of the			
Fall 2007	ART414	414	Baroque Art	ART	Art	4	time.	UG	LE	Lecture
			Writing in ART				Required writing component for			
Fall 2007	ART414W	414W	414	ART	Art	0	ART 414.	UG	LB	Lab
							General surveys and intensive			
							studies of the period, major			
			Studies in				movements, and artists of the			
Fall 2007	ART415	415	19th Cent Art	ART	Art	4	time.	UG	LE	Lecture
			Writing in ART							
Fall 2007	ART415W	415W	415	ART	Art	0		UG	LB	Lab
							General surveys and intensive			
							studies of the period, major			
			Studies 20th				movements, and artists of the			
Fall 2007	ART416	416	Century Art	ART	Art	4	time.	UG	LE	Lecture
			Writing in ART				Required writing component for			
Fall 2007	ART416W	416W	416	ART	Art	0	ART 416.	UG	LB	Lab
							General surveys and intensive			
							studies of periods, major			
			Studies in Non				movements, and artists in non-			
Fall 2007	ART417	417	Western Art	ART	Art	4	Western art.	UG	LE	Lecture
			Writing in ART				Required writing component for			
Fall 2007	ART417W	417W	417	ART	Art	0	ART 417.	UG	LB	Lab
							Exploration of the structure and			
							interrelationships of visual form			
							in drawing, painting, and			
			Advanced				sculpture. Principal historical			
Fall 2007	ART428	428	Drawing	ART	Art	4	modes of drawing examined.	UG	LB	Lab

						Development of personal			
						concepts and aesthetic			
			Advanced			expression in media. Emphasis			
			Expanded			on individualized approach to			
Fall 2007	ART437	437	Media	ART	Art	4 media problems.	UG	LB	Lab
						Continued emphasis on pictorial			
						organization with increased			
			Advanced			attention to the personal			
Fall 2007	ART448	448	Painting	ART	Art	4 imagery of students.	UG	LB	Lab
						Development of personal			
						concepts and aesthetic			
						expression in photography.			
						Emphasis on individualized			
						approach to problems that arise			
			Adv Blk &			from the work of students.			
Fall 2007	ART458	458	White Photo	ART	Art	4 Topics vary.	UG	LB	Lab
						Development of personalized			
						concepts and individual aesthetic			
			Adv Printmkg:			expression in printmaking.			
Fall 2007	ART466	466	Relief	ART	Art	4 Topics vary.	UG	LB	Lab
						Development of personalized			
						concepts and individual aesthetic			
			Adv Printmkg:			expression in printmaking.			
Fall 2007	ART467	467	Intaglio	ART	Art	4 Topics vary.	UG	LB	Lab
						Development of personalized			
						concepts and individual aesthetic			
			Adv Printmkg:			expression in printmaking.			
Fall 2007	ART468	468	Lithography	ART	Art	4 Topics vary.	UG	LB	Lab
						Development of personalized			
						concepts and individual aesthetic			
L			Adv Printmkg:			expression in printmaking.			
Fall 2007	ART469	469	Scrnprntng	ART	Art	4 Topics vary.	UG	LB	Lab

							Further development of personal			
							concepts and aesthetic			
							expression in sculpture.			
							Emphasis on individualized			
							approach to sculptural problems			
			Advanced				using media selected by the			
Fall 2007	ART478	478	Sculpture	ART	Art	1	students. Titles vary.	UG	LB	Lab
raii 200 <i>1</i>	AK1470	470	Advanced	AKI	AIT	4	Classroom and supervised	UG	LD	Lau
			Museum				practical work in art gallery and			
Fall 2007	ART497	497	Studies	ART	Art	1		UG	LB	Lab
Fall 2007	AK 1497	497	Studies	AKI	AIT	4	museum management. Exploration of the structure and	UG	LD	Lab
							•			
							interrelationships of visual form			
							in drawing, painting, and			
Fall 2007	ART528	528	Drowing	ART	Art		sculpture. Principal historical	GR	LB	Lab
Fall 2007	AR 1 3 2 8	528	Drawing	AKI	AIT	4		GK	LD	Lab
							Emphasis on pictorial			
							organization with increased			
F-II 0007	A DTF 40	F 40	Delation	ADT	01		attention to the individual	CD.	l D	1 -1-
Fall 2007	ART548	548	Painting	ART	Art	4	student's personal imagery.	GR	LB	Lab
							Exploration of personal concepts			
							and aesthetic expression in			
F 11 0007	ADTEEO	FF0	D	ADT			photography. Intensive individual			
Fall 2007	ART558	558	Photography	ART	Art	4	work with faculty supervision.	GR	LB	Lab
							Development of personalized			
							concepts and individual aesthetic			
							expression in printmaking with			
			Printmaking:				an emphasis in the area of relief.			
Fall 2007	ART566	566	Relief	ART	Art	4	Titles vary.	GR	LB	Lab
							Development of personalized			
							concepts and individual aesthetic			
			Printmaking:				expression in printmaking with			
Fall 2007	ART567	567	Intaglio	ART	Art	4	an emphasis in the area of	GR	LB	Lab
							Development of personalized			
							concepts and individual aesthetic			
							expression in printmaking with			
			Printmaking:				an emphasis in the area of			
Fall 2007	ART568	568	Lithography	ART	Art	4	lithography.	GR	LB	Lab

							Development of personalized			
							concepts and individual aesthetic			
							expression in printmaking with			
			Printmaking:				an emphasis in the area of			
Fall 2007	ART569	569	Scrnprnting	ART	Art	4	screenprinting.	GR	LB	Lab
							Development of personal			
							concepts and aesthetic			
							expression in sculpture.			
							Emphasis on individualized			
							approach to sculptural problems			
Fall 2007	ART578	578	Sculpture	ART	Art	4	using media selected by the	GR	LB	Lab
							Studio experience directly			
							involving students with			
							professional artists executing			
							special projects. Covers a range			
							of information from preliminary			
			Studio				planning to final discussion on			
Fall 2007	ART600	600	Workshop	ART	Art	1	the projects.	GR	LB	Lab
							Special studies for qualified			
							students. Intensive individually			
			Independent				directed work in art with faculty			Independe
Fall 2007	ART601	601	Study in Art	ART	Art	1	consultation and supervision.	GR	IS	nt Study
			Studies in Art							
Fall 2007	ART604	604	History	ART	Art	1	Titles vary.	GR	LE	Lecture
							Provides opportunities to explore			
							special problems and approaches			
							to art and includes cross-media			
							and interdisciplinary studies.			
Fall 2007	ART605	605	Studies in Art	ART	Art	1	Titles vary.	GR	LB	Lab
			Art Theory				Historical surveys and intensive			
Fall 2007	ART609	609	and Criticism	ART	Art	4	studies in art theory and	GR	LE	Lecture
							General surveys and intensive			
							studies of periods, major			
			Studies in				movements, and artists in			
Fall 2007	ART610	610	American Art	ART	Art	4	American art. Titles vary.	GR	LE	Lecture

						(Also listed as CLS 540.) General			
						surveys and intensive studies of			
			Studies			the period, major movements,			
			Ancient/Classi			and artists of the time. Titles			
Fall 2007	ART611	611	cal	ART	Art	4 vary.	GR	LE	Lecture
						General surveys and intensive			
						studies of the period, major			
			Studies in			movements, and artists of the			
Fall 2007	ART612	612	Medieval Art	ART	Art	4 time. Titles vary.	GR	LE	Lecture
						General surveys and intensive			
			Studies in			studies of the period, major			
			Renaissance			movements, and artists of the			
Fall 2007	ART613	613	Ar	ART	Art	4 time. Titles vary.	GR	LE	Lecture
						General surveys and intensive			
						studies of the period, major			
			Studies in			movements, and artists of the			
Fall 2007	ART614	614	Baroque Art	ART	Art	4 time. Titles vary.	GR	LE	Lecture
			•			General surveys and intensive			
						studies of the period, major			
			Nineteenth			movements, and artists of the			
Fall 2007	ART615	615	Century Art	ART	Art	4 time. Titles vary.	GR	LE	Lecture
						Development of personalized			
			Studies 20th			concepts and individual aesthetic			
Fall 2007	ART616	616	Century Art	ART	Art	4 expression in printmaking.	GR	LE	Lecture
						Supervised independent field			
						experience and practical work in			
						all areas of Art Museum			
						management in the university			
						and greater Dayton area			
						communities. Each student to			
						be handled as a tutorial intern.			
						Graduate standing required with			
						twelve hours of 400 level			
			Museology &			Museology and Gallery			Independe
Fall 2007	ART697	697	Gallery Mgt	ART	Art	4 Management or permission of	GR	IS	nt Study
					-	Intensive individually directed		-	
			Ind Study in			work in art history with faculty			Independe
Fall 2007	ART701	701	Art History	ART	Art	1 consultation and supervision.	GR	IS	nt Study

						An over	view of human biology			
						and beh	navior, including human			
			Intro to Bio		Anthropol	evolutio	on, primate behavior, and			
Fall 2007	ATH241	241	Anth	ATH	ogy	4 human	physical variation.	UG	LE	Lecture
			Writing in ATH		Anthropol	Require	d writing component for			
Fall 2007	ATH241W	241W	241	ATH	ogy	0 ATH 24	1.	UG	LB	Lab
						Introdu	ction to the nature of			
						archaec	ological data, techniques			
						of archa	aeological dating, and			
			Intro to		Anthropol	method	s of data collection,			
Fall 2007	ATH242	242	Archaeology	ATH	ogy	4 analysis	s, and interpretation.	UG	LE	Lecture
			Writing in ATH		Anthropol	Require	d writing component for			
Fall 2007	ATH242W	242W	242	ATH	ogy	0 ATH 24	2.	UG	LB	Lab
						Emphas	sizes recognition and			
						analysis	of archaeological			
						remains	from prehistoric and			
						historic	sites. Students develop			
			Lab in		Anthropol	an origi	nal analysis of some body			
Fall 2007	ATH300	300	Technology	ATH	ogy	4 of archa	aeological material.	UG	LB	Lab
						Introdu	ces various aspects of			
						applied	anthropology as			
			Applied ATH:			currentl	y used in a variety of			
			An		Anthropol	behavio	oral activity fields locally,			
Fall 2007	ATH340	340	Introduction	ATH	ogy	4 national	lly, and internationally.	UG	LE	Lecture
						Survey	of selected North			
						America	an Indian societies,			
			Indians of		Anthropol	contras	ting their modern and			
Fall 2007	ATH341	341	North America	ATH	ogy	4 aborigir	nal cultures.	UG	LE	Lecture
						differen	ces between males and			
						females	s, their status, roles in			
						selected	d societies, stereotypes,			
							l and behavioral aspects			
						of sex a	and gender, and cross-			
						cultural	variations in gender			
			Anthro of Sex		Anthropol	roles.				
Fall 2007	ATH342	342	& Gender	ATH	ogy	4		UG	LE	Lecture

							(Also listed as REL 362.)			
							Anthropological approach to			
							meaning and function of religion			
							in social life, and nature of			
							thought or belief systems that			
							give rise to different forms of			
			Anthropology		Anthropol		religious life. Emphasis on			
Fall 2007	ATH346	346	of Religion	ATH	ogy	4	primitive and peasant societies.	UG	LE	Lecture
1 411 2007	7111340	340	or rengion	7,111	Ogy		The science of language as an	00		Lecture
							anthropologist's tool for field			
							research. How to describe			
							language as sound, and write an			
							unwritten language; how the			
							anthropologist can make use of			
			Anthropologic		Anthropol		linguistic training for acquiring			
Fall 2007	ATH349	349	al Linguistics	ATH	ogy	4	cultural data.	UG	LE	Lecture
1 411 2007	7111017	017	ar Eniguistics	7.111	ogy	•	History, description, and			Loctoro
							interpretation of the fossil record			
			Human		Anthropol		for primate evolution with			
Fall 2007	ATH351	351	Evolution	ATH	ogy	4	emphasis on human evolution.	UG	LE	Lecture
	71111001				-93		Detailed examination of the			20000.0
							behavior of nonhuman primates,			
							including monkeys and apes, as			
			Primate		Anthropol		it relates to human evolution and			
Fall 2007	ATH352	352	Behavior	ATH	ogy	4	behavior.	UG	LE	Lecture
			Writing in		- 37					
			Primate		Anthropol					
Fall 2007	ATH352W	352W	Behavior	ATH	ogy	0		UG	LB	Lab
					39		Examination of human biological			
							variation focusing on			
			Human				interpopulation variation,			
			Variation&Adp		Anthropol		environmental adaptation, and			
Fall 2007	ATH358	358	t	ATH	ogy	4	the concept of race.	UG	LE	Lecture
			Writing in ATH		Anthropol		Required writing component for			
Fall 2007	ATH358W	358W	358	ATH	ogy	0	ATH 358.	UG	LB	Lab

							Detailed examination of the			
							major prehistoric cultures of			
F 0007	A.T.I.O./ F	0.45	Archaeology of		Anthropol		North America. Emphasis on		. =	
Fall 2007	ATH365	365	N America	ATH	ogy	4	eastern North American	UG	LE	Lecture
							Classroom and field preparation			
F 11 0007	1711010	0.40	Arch Field		Anthropol		for archaeological survey and			
Fall 2007	ATH368	368	Techniques	ATH	ogy	4	excavations.	UG	LE	Lecture
F 11 0007	A.T. 10 (0	0.40	Archaeology	A-T11	Anthropol	,	Excavation training on prehistoric			
Fall 2007	ATH369	369	Field School	ATH	ogy	6	sites.	UG	LB	Lab
			Readings in		Anthropol	_	May be taken for letter grade or			Independe
Fall 2007	ATH392	392	Anthropology	ATH	ogy	2	pass/unsatisfactory.	UG	IS	nt Study
			Studies-				Problems, approaches, and			
			Selected		Anthropol		topics in the field of			
Fall 2007	ATH399	399	Subjects	ATH	ogy	1	anthropology. Topics vary.	UG	LE	Lecture
							Advanced study of various			
							specialized aspects of			
			Topics in		Anthropol		archaeology. Classes may be			
Fall 2007	ATH400	400	Archaeology	ATH	ogy	4	lecture or seminar.	UG	LE	Lecture
							Students will explore the use of			
							film as an ethnograhic tool.			
							These films will be used to			
							convey ethnographic or			
							anthropological depth and			
			Ethnographic		Anthropol		understanding. Behavior and			
Fall 2007	ATH405	405	Film	ATH	ogy	4	customs will be analyzed.	UG	LE	Lecture
							Selected topics concerning the			
							method and theory of			
							anthropological thought and			
							their relationship to the allied			
							disciplines of economics,			
							linguistics, art, politics, and			
							history. Emphasis on current			
							trends influencing research in			
			Spec Topics-		Anthropol		cultural anthropology. Topics			
Fall 2007	ATH410	410	Cultural ATH	ATH	ogy	4	vary.	UG	LE	Lecture
			Writing in ATH		Anthropol					
Fall 2007	ATH410W	410W	410	ATH	ogy	0		UG	LB	Lab

						This course will provide a survey			
						of Latin America - students will			
						examine its history, as well as			
						become acquainted with cultural			
						pluralism, social organizations,			
			Anthro of		Anthropol	economic conditions, and current			
Fall 2007	ATH415	415	Latin America	ATH	ogy .	4 issues.	UG	LE	Lecture
					33	Survey and analysis of cultural			
						diversity and unity in southern			
			Peoples/Cultur		Anthropol	Asia, particularly India, Pakistan,			
Fall 2007	ATH446	446	es So Asia	ATH	ogy	4 Bangladesh, and Sri Lanka.	UG	LE	Lecture
·						Survey of the peoples and			
						sociocultural systems of Africa			
						with emphasis on sub-Saharan			
			Peoples/Cultur		Anthropol	ecological and biocultural			
Fall 2007	ATH447	447	es Africa	ATH	ogy	4 relationships.	UG	LE	Lecture
			Writing in ATH		Anthropol				
Fall 2007	ATH447W	447W	447	ATH	ogy	0	UG	LB	Lab
						Surveys historical development			
			Develop			of ethnological thought and			
			Ethnolog		Anthropol	emphasizes theories of social			
Fall 2007	ATH448	448	Thought	ATH	ogy	4 and cultural change.	UG	LE	Lecture
			Writing in ATH		Anthropol	_			
Fall 2007	ATH448W	448W	448	ATH	ogy	0	UG	LB	Lab
						(Also listed as PLS 450.) Study of			
						the cultural part of primitive			
						societies that we recognize as			
						political organization. An attempt			
						is made to show how in less			
			Delitical		A matheman - I	complex (primitive) societies new			
F-II 2007	ATLIAGO	450	Political	A T. I	Anthropol	local communities come into			l a atoms
Fall 2007	ATH450	450	Anthropology	ATH	ogy	4 being through fission.	UG	LE	Lecture

						An anthropological perspective of	•		
						health and illness in selected			
						societies of the world. Integrates			
						physical, social, and cultural			
						dimensions of disease, nutrition,			
						fertility and population growth,			
						health beliefs and practices, and			
			Biomedical		Anthropol	the consequences of culture			
Fall 2007	ATH455	455	Anthropology	ATH	ogy	4 change and modernization.	UG	LE	Lecture
			Writing in ATH		Anthropol				
Fall 2007	ATH455W	455W	455	ATH	ogy	0	UG	LB	Lab
						Integrates biological and			
						sociological dimensions of			
						women's health throughout the			
						world. It examines cross-cultural			
						variation in disease and illness			
			Anth of			and the sociocultural contexts			
			Women's		Anthropol	that define models of women's			
Fall 2007	ATH458	458	Health	ATH	ogy	4 health.	UG	LE	Lecture
			Writing in ATH		Anthropol				
Fall 2007	ATH458W	458W	458	ATH	ogy	0	UG	LB	Lab
						Intensive review of the			
						prehistoric Woodland period (600			
						B.CA.D. 900) of eastern North			
						America. Regional cultures such			
						as Adena and Ohio Hopewell and			
			Sem			topics including trade, the			
			Woodland		Anthropol	economy, political organization,			
Fall 2007	ATH465	465	Archaeology	ATH	ogy	4 and mortuary customs are	UG	SE	Seminar
					- 33	Wide-ranging survey of			1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
						traditional and contemporary			
			Sem			archaeological theory, with study			
			Archaeological		Anthropol	of its applications in various			
Fall 2007	ATH468	468	Theory	ATH	ogy	4 parts of the world.	UG	SE	Seminar

			Historical		Anthropol		Focuses on the post-European discovery period of America. Archaeological interpretations of colonial, plantation, industrial, frontier, and urban sites and materials are explored in seminar discussions and through laboratory analyses of southwest			
Fall 2007	ATH475	475	Archaeology	ATH	ogy	4	Ohio site collections.	UG	LE	Lecture
			Ind Research		Anthropol		May be taken for letter grade or			Independe
Fall 2007	ATH492	492	in Anthro	ATH	ogy	2	pass/unsatisfactory.	UG	IS	nt Study
			Sex and		Anthropol		Study of male and female roles and how they vary from one society to the next. Topics include sex and gender stereotypes, physical and behavioral differences, and cross-			
Fall 2007	ATH542	542	Gender	ATH	ogy	4	cultural differences in roles and	GR	LE	Lecture
Fall 2007	ATH546	546	Anthropology of Religion	АТН	Anthropol ogy	4	(Also listed as REL 562.) Anthropological approach to the meaning and function of religion in social life, and the nature of the thought or belief systems that gave rise to different forms of religious life. Emphasis on primitive and peasant societies.	GR	LE	Lecture
			Field School		Anthropol		Excavation training on prehistoric			
Fall 2007	ATH569	569	Archaeology	ATH	ogy	6	sites.	GR	LB	Lab
Fall 2007	ATH599	599	Studies in Selected Subj	АТН	Anthropol ogy	1	Problems, approaches, and topics in the field of anthropology. Topics vary. Advanced study of various	GR	IS	Independe nt Study
Fall 2007	ATH600	600	Spec Topics Archaeology	ATH	Anthropol ogy	4	specialized aspects of archaeology.	GR	LE	Lecture

						Examines selected topics			
						concerning the method and			
						theory of anthropological			
						thought and their relationship to			
						the allied disciplines of			
						economics, linguistics, art,			
						politics, and history. Emphasis			
						on current trends influencing			
			Spec Topics-		Anthropol	research in cultural			
Fall 2007	ATH610	610	Cultural ATH	ATH	ogy	4 anthropology. Topics vary.	GR	LE	Lecture
raii 2001	ATTIOTO	010	Cultural ATT	AIII	оду	Survey and analysis of cultural	GIV	LL	Lecture
						diversity and unity in Southern			
			Peoples/Cultur		Anthropol	Asia, particularly India, Pakistan,			
Fall 2007	ATH646	646	es So Asia	ATH	ogy	4 Bangladesh, and Sri Lanka.	GR	LE	Lecture
raii 2007	ATTIOHO	040	es su Asia	AIII	ugy	Surveys historical development	GK	LL	Lecture
			Dev			of ethnological thought;			
			Ethnological		Anthropol	emphasizes theories of social			
Fall 2007	ATH648	648	Thought	ATH	•	4 and cultural change.	GR	LE	Lecture
	ATTIOHO	046	THOUGHT	АІП	ogy	(Also listed as PLS 650.) Study of		LE	Lecture
						that part of the culture of			
						primitive societies that is			
						recognized as political			
						organization. An attempt is made			
						to show how in less complex,			
						primitive societies, new local			
			Political		Anthropol	communities come into being			
Fall 2007	ATH650	650		ATH	ogy	4 through fission.	GR	LE	Lecture
1 411 2007	A111030	030	Antinopology	АП	оду	An anthropological perspective of		LL	Lecture
						health and illness in selected			
						societies of the world that			
						integrates physical, social, and			
						cultural dimensions of disease,			
						nutrition, fertility and population			
						growth, health beliefs and			
						practices, and the consequences			
			Biomedical		Anthropol	of culture change and			
Eall 2007	ATH655	655		ΛТШ	•	4 modernization.	GR	LE	Locturo
Fall 2007	CCOLLY	000	Anthropology	ATH	ogy	4 modernization.	GK	LE	Lecture

			Writing in		Anthonorol	Writing in Biomedical			
F-II 0007	A TI 17 E E \ A /	/ E E \ \ \	Biomed	A T. I	Anthropol	Anthropology	CD.		1 - 1-
Fall 2007	ATH655W	655W	Anthropology Anth of Women's	ATH	Anthropol	Integrates biological and sociocultural dimensions of women's health throughout the world. Examines cross-cultural variation in disease and illness and the sociocultural contexts that define models of women's	GR	LB	Lab
Fall 2007	ATH658	658	Health	ATH	ogy	4 health.	GR	LE	Lecture
1 dii 2307			Sem Woodland		Anthropol	Intensive review of the prehistoric Woodland period (600 BC-AD 900) of eastern North America. Regional cultures such as Adena and Ohio Hopewell. Trade, economy, political organization, and mortuary			Zooturo
Fall 2007	ATH665	665	Archaeology	ATH	ogy	4 customs are considered.	GR	SE	Seminar
			Historical		Anthropol	Focuses on the post-European discovery period of America; archaeological interpretations of colonial, plantation, industrial, frontier, and urban sites and materials are explored in seminar discussions, and through lab analysis of southwest Ohio site			
Fall 2007	ATH675	675	Archaeology	ATH	ogy	4 collections.	GR	LE	Lecture
Fall 2007	ATH692	692	Dir Studies Anthropology	АТН	Anthropol ogy	May be taken for letter grade or pass/unsatisfactory.	GR	IS	Independe nt Study
Fall 2007	ATR261	261	Basic Principles of ATR	ATR	Athletic Training	Introductory course to the field 4 of athletic training.	UG	LL	b Combinatio

						The recognition and			
						management of athletic			
			A 41-1 - 41 -			emergencies will be emphasized.			
			Athletic		0.41-1-41-	The relationships of other allied			
			Emergency		Athletic	health care providers in similar			
Fall 2007	ATR262	262	Care	ATR	Training	3 situations will also be discussed	UG	LE	Lecture
						Supervised field work for			
						sophomore students who are			
						seeking certification or a			
						concentration in a specific area.			
						Titles vary. Contact hours vary			
						according to subject. May be			
			Basic Skills in		Athletic	taken for letter grade or			
Fall 2007	ATR284	284	ATR	ATR	Training	3 pass/unsatisfactory.	UG	IN	Internship
						This is the second practicum in a			
						series of nine to meet the			
						competencies of athletic training.			
						The emphasis will be in the			
						development of injury/illness			
			Rehabilitation		Athletic	rehabilitation protocols for the			
Fall 2007	ATR285	285	Skills	ATR	Training	3 physically active.	UG	IN	Internship
						This is the third practicum in a			
						series of nine to meet the			
						competencies of athletic training.			
						The emphasis will be on			
			Emergency		Athletic	emergency situations and			
Fall 2007	ATR286	286	Mgmt Skills	ATR	Training	3 appropriate protocols of care.	UG	IN	Internship
						To provide the opportunity to			
						learn and practice various testing			
						and techniques to improve			
						strength, flexibility, power,			Lecture/La
						agility, speed, endurance, body			b
			Strength &		Athletic	composition and cardiovascular			Combinatio
Fall 2007	ATR302	302	Cond Ath Trng	ATR	Training	3 fitness levels.	UG	LL	n

			Thoronoutic		Athletic	This course will provide the student with the basic skills necessary to develop a therapeutic exercise program for injurious conditions of the			
Fall 2007	ATR303	303	Therapeutic Exercise/ATR	ATR	Training	injuries conditions of the 3 physically active.	UG	LE	Lecture
1 411 2007	ATIOUS	300	Ther	AIN		The study and practical application of therapeutic modalities for the treatment of athletic injuries. Modalities may include superficial heat and cold, hydrotherapy, massage, traction, intermittent compression units, ultrasound, electrostimulation,			Lecture/La b
Fall 2007	ATR360	360	Modalities in Ath Tr	ATR	Athletic Training	and microwave and shortwave 3 diathermy.	UG	LL	Combinatio n
1 dii 2007	7111000		Assmnt of		Athletic	This is the second course in a series of three. This course will emphasize assessment skills for athletic injuries/conditions of the			Lecture/La b Combinatio
Fall 2007	ATR361	361		ATR	Training	4 physically active.	UG	LL	n
			Lower Body		Athletic	Lower Body Assessment Skills: This is the fourth clinical/practicum course in a series of nine to meet the competencies of athletic training. The emphasis will be on lower body injury assessment skills. Concurrent enrollment in ATR			
Fall 2007	ATR384	384	Assesmnt Skill	ATR	Training	1 360.	UG	IN	Internship
			Upperbody Assessmnt		Athletic	This is the fifth practicum in a series of nine to meet the competencies of athletic training. The emphasis will be on evaluation of injuries/conditions			
Fall 2007	ATR385	385	Skill	ATR	Training	3 of the upper body.	UG	IN	Internship

Fall 2007	ATR386	386	Thera Modalities Skills	ATR	Athletic Training		This is the sixth practicum in a series of nine to meet the competencies of athletic training. The emphasis will be on treatment protocols for injuries/conditions to the physically active.	UG	IN	Internship
Fall 2007	ATR460	460	Adv Athletic Training	ATR	Athletic Training		This is the third course in a series of three. This course focuses on advanced athletic training principles, theories and techniques.	UG	LE	Lecture
Fall 2007	ATR461	461	Org&Adm of Athletic Trng	ATR	Athletic Training		Combines the knowledge of organization and administration and how it applies to the profession of athletic training.	UG	LE	Lecture
Fall 2007	ATR482	482	Pharmacology Ath Train	ATR	Athletic Training		This course is designed to provide the Athletic Training Student pharmacological information that pertains to the sports-medicine care of the	UG	LE	Lecture
			Clin & Surgical		Athletic		Supervised field work for senior students seeking certification or a concentration in a specific area. Titles vary. Contact hours vary according to subject. May be taken for letter grade or			
Fall 2007	ATR484	484	Rotation Writing in ATR	ATR	Training Athletic	1	pass/unsatisfactory. Required writing component for	UG	IN	Internship
Fall 2007	ATR484W	484W	484 Advanced	ATR	Training Athletic		This is the seventh practicum in a series of nine to meet the competencies of athletic training. The emphasis will be on advanced rehabilitation	UG	LB	Lab
Fall 2007	ATR485	485	Rehab Skills	ATR	Training	3	programs. Limited to students in	UG	IN	Internship

Fall 2007	ATR486	486	Medical Condition in ATR	ATR	Athletic Training	3	This is the ninth clinical/practicum course in a series of ten to meet the competencies of athletic training. The emphasis will be on general medical conditions and related basic skills. Concurrent A culminating internship for	UG	IN	Internship
Fall 2007	ATR487	487	Athletic Training Intern	ATR	Athletic Training	12	student athletic trainers in one of the following settings: high school, college, sports medicine clinic, industrial, Olympic, or professional sports. The student can schedule this internship any quarter with the director of Athletic Training.	UG	IN	Internship
Fall 2007	AVI201	201	Private Pilot Ground Edu	AVI	Aviation		Forty hours of ground instruction covering radio navigation, meteorology, FAA regulations, communications, aircraft construction, and performance data to meet requirements of private pilot's written examination.	UG	LE	Lecture
Fall 2007	BIO101	101	Medical & Sci Terminology	BIO	Biology	4	Spelling, recognition and understanding contemporary specialized medical and scientific vocabulary that is based on the Latin and Greek languages. Emphasis on terminology of the medical sciences.	UG	LE	Lecture

Fall 2007	BIO105	105	Intro Bio: Food	BIO	Biology	Biological principles applied to the nature of food, its production, and use in the human body. Topics include molecular biology, photosynthesis, respiration, digestion, nutrition, agricultural ecosystems, and issues of feeding a rapidly growing human 4 population. Three hours lecture,	UG	LE	Lecture
Fall 2007	BIO105L	105L	Intro Bio: Food Lab	BIO	Biology	0 Required laboratory for BIO 105.	IIC	LB	Lab
			Intro Bio:			Biological principles and processes applied to the origin, interaction, and extinction of species. Laboratory and lab topics include paleobiology, speciation, macroevolution, adaptive radiation, symbiosis, biogeography, and the scientific management of modern biological resources. Three hours			
Fall 2007	BIO106	106	Biodiversity	BIO	Biology	4 lecture, two hours lab.	UG	LE	Lecture
Fall 2007	BIO106L	106L	Intro Bio: Biodiversity Lab Writing in BIO	ВІО	Biology	0 Required laboratory for BIO 106. Required writing component for	UG	LB	Lab
Fall 2007	BIO106W	106W	106	BIO	Biology	0 BIO 106.	UG	LB	Lab
			Intro Bio:			Biological principles applied to the study of disease: causes, controls, and natural defense against infection. Topics include microscopy, pathology, antibiotics, immunology, and epidemiology with historical perspectives and an emphasis on investigative techniques. Three			
Fall 2007	BIO107	107	Disease	BIO	Biology	4 hours lecture, two hours lab.	UG	LE	Lecture

			Intro Bio:							
Fall 2007	BIO107L	107L	Disease Lab	BIO	Biology	0	Required laboratory for BIO 107.	UG	LB	Lab
			Writing in BIO							
Fall 2007	BIO107W	107W	107	BIO	Biology	0		UG	LB	Lab
							Introduction to the basic			
							concepts of biology. Emphasis on			
							the anatomical and physiological			
							organization of the human body,			
			Prin Bio				including applications to			
			Human				wellness, disease, and aging.			
Fall 2007	BIO111	111	Biology	BIO	Biology	4	Three hours lecture, two hours	UG	LE	Lecture
			Prin Bio							
F-II 0007	DIO111	4441	Human	DIO	D'alam.	_	De maior distribute to the DIO 1111		LD	1 -1-
Fall 2007	BIO111L	111L	Biology Lab	BIO	Biology	Ü	Required laboratory for BIO 111.	UG	LB	Lab
							Introduction to basic concepts of			
							biology. Topics include genetics and the molecular and cellular			
			Prin Bio Cell				basis for the unity of life. Three			
Fall 2007	BIO112	112	Bio&Genetic	BIO	Biology	1	hours lecture, two hours lab.	UG	LE	Lecture
1 411 2007	DIOTIZ	112	Prin Cell Bio &	ыо	biology		nours recture, two nours lab.	00	LL	Lecture
Fall 2007	BIO112L	112L	Genet Lab	BIO	Biology	0	Required laboratory for BIO 112.	UG	LB	Lab
1 411 2007	DIOTIZE	1122	Writing in BIO	БТО	Diology		nequired laboratory for Bio 112.		LD	Lub
Fall 2007	BIO112W	112W	112	ВІО	Biology	0		UG	LB	Lab
					3 2 3 3 3		Introduction to basic concepts of			
							biology. Topics include evolution,			
			Prin Bio				ecology, and the diversity of life.			
			Diversity &				Three hours lecture, two hours			
Fall 2007	BIO115	115	Ecol	BIO	Biology	4	lab.	UG	LE	Lecture
			Prin Bio Divrs							
Fall 2007	BIO115L	115L	& Ecol Lab	BIO	Biology	0	Required laboratory for BIO 115.	UG	LB	Lab
							Recitation/Discussion section to			
							review basic concepts developed			
							in the laboratory. Co-registration			
			Honors Rec				in lecture and honors laboratory			
Fall 2007	BIO119	119	Prin Biology	BIO	Biology	1	required.	UG	RE	Recitation

							Provide students with an			
							overview of the programs and career options in Biology, Clinical			
							Laboratory Science, Exercise			
			Careers in EH.				Biology and Environmental			
Fall 2007	BIO194	194	EXB, CL, BIO	ВІО	Biology	1	Health Sciences.	UG	LE	Lecture
1 all 2007	DIO 174	174	LAD, CL, DIO	ыо	biology	<u>į</u>	For individually motivated	UG	LL	Lecture
							students at the introductory level			
							who wish to pursue some			
							particular project under faculty			
			Intro-Bio				supervision. Graded			
Fall 2007	BIO199	199	Invenstigation	BIO	Biology		pass/unsatisfactory.	UG	LE	Lecture
1 411 2007	B10177	.,,	Topics in	5.0	Diology	•	Selected biological topics of			Independe
Fall 2007	BIO201	201	Biology	BIO	Biology	1	current interest.	UG	IS	nt Study
							Emphasizes understanding of the			
							chemical and physical aspects of			
							molecular interactions and the			
			Molecular				flow of genetic information from			
Fall 2007	BIO210	210	Biology	BIO	Biology	4	DNA to protein.	UG	LE	Lecture
							Emphasizes understanding of the			
							control of gene expression in			
							both prokaryotes and			
							eukaryotes. Includes study of			
			Molecular				chromosome structure,			
Fall 2007	BIO211	211	Genetics	BIO	Biology	4	replication, recombination, and	UG	LE	Lecture
							Emphasizes eukaryotic cell			
							structure and function, including			
							energetics and involvement of			
Fall 2007	BIO212	212	Cell Biology	BIO	Biology	4	various organelles.	UG	LE	Lecture
							Basic techniques in molecular			
							and cellular biology, emphasizing			
			Molecular Cell				acquisition and interpretation of			
Fall 2007	BIO213	213	Lab Tech	BIO	Biology	3	data.	UG	RE	Recitation
			Molecular Cell							
Fall 2007	BIO213L	213L	Lab Tech	BIO	Biology	0		UG	LB	Lab
E 11 000=	DIOCACO	0465	Molecular Cell	DIO	D: 1	_	B		DE	.
Fall 2007	BIO213R	213R	Lab Tech Rec	BIO	Biology	0	Required recitation for BIO 213.	UG	RE	Recitation

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Fall 2007	BIO278	278	Anat and Phys	BIO	Biology	Lecture topics in human anatomy and physiology, including tissues; skeletal, muscular, nervous, and endocrine systems. Laboratory features cat dissection and physiological techniques complementary to the lecture topics.	UG	LE	Lecture
Fall 2007	BIO278L	278L	Anat and Phys I Lab	BIO	Biology	0 Required laboratory for BIO 278. Lecture topics in human anatomy		LB	Lab
Fall 2007	BIO279	279	Anat and Phys	BIO	Biology	and physiology including the cardiovascular, respiratory, digestive, excretory, and reproductive systems. Laboratory features cat dissection and physiological techniques complementary to the lecture 4.5 topics.	UG	LE	Lecture
1 411 2007	B10277	277	Anat and Phys	5.0	Diology	110 topics:			Lootaro
Fall 2007	BIO279L	279L	II Lab	BIO	Biology	1	UG	LB	Lab
						The nature and function of genetic material with emphasis on transmission and population genetics. Exceptions to and extensions of Mendelian analysis, gene mapping, quantitative genetics, and the change of gene frequencies with time.			Lecture/Re citation Combinatio
Fall 2007	BIO302	302	Genetics	BIO	Biology	4 Three hours lecture, one hour	UG	LR	n
Fall 2007	BIO302R	302R	Genetics	BIO	Biology	0	UG	RE	Recitation
Fall 2007	BIO305	305	Animal Physiology	BIO	Biology	Basic adaptive mechanisms and their coordination in the activities of the metazoa.	UG	LE	Lecture

							Study of morphology, cultivation,			
							and biochemical activities of			
							microorganisms. Survey of			
							viruses, bacteria, blue-green			
							algae, fungi and their diversity in			
Fall 2007	BIO312	312	Microbiology	BIO	Biology	5	natural environments.	UG	LE	Lecture
			Microbiology							
Fall 2007	BIO312L	312L	Lab	BIO	Biology	0		UG	LB	Lab
							Study of morphology; taxonomy;			
							and ecology of algae, fungi and			
							bryophytes. Emphasis on growth			
							and development patterns,			
							modes of reproduction,			Lecture/La
							importance to humans and			b
			Bio of Lower				ecosystems, diversity,			Combinatio
Fall 2007	BIO313	313	Plants	BIO	Biology	5	distribution, and phylogenetic	UG	LL	n
1 411 2007	D10313	313	Tiditts	ыо	Бююду		Study of form development,	00	LL	11
							reproduction and life histories of			
							vascular plants. Survey of			
							representative plant families			
							emphasizing phylogenetic			Lecture/La
							relationships, distribution, and			b
			Bio of Vascular				vegetational types in natural			Combinatio
Fall 2007	BIO314	314	Plants	BIO	Biology	5	habitats.	UG	LL	n
Fall 2007	BIO314L	314L	BIO Lab	BIO	Biology	0		UG	LB	Lab
							Morphology, development,			Lecture/La
							physiology and evolutionary			b
			Bio of				relationships of major			Combinatio
Fall 2007	BIO315	315	Invertebrates	BIO	Biology	5	invertebrate groups.	UG	LL	n
			BIO of		03		Ŭ .			
			Invertebrates							
Fall 2007	BIO315L	315L	Lab	BIO	Biology	0		UG	LB	Lab
										Lecture/La
							Introduction to the anatomy and			b
			Bio of				evolutionary history of vertebrate			Combinatio
Fall 2007	BIO316	316	Vertebrates	BIO	Biology	5	animals.	UG	LL	n
1 dil 2007	טונטום	310	v Ci tCDi atC3	סום	Diology		uriiriuis.	00	LL	11

			Bio of							
			Vertebrates							
Fall 2007	BIO316L	316L	Lab	BIO	Biology	0	Required laboratory for BIO 316.	UG	LB	Lab
							An accelerated treatment of			
							fundamental concepts and			
							applications of biology for			
							Elementary Education majors.			
							Topics and activities organized			
							specifically to prepare students			Lecture/La
							for science teaching at levels K-			b
			Concepts in				8. For elementary education			Combinatio
Fall 2007	BIO345	345	Biology	BIO	Biology	4.5	majors only. Integrated	UG	LL	n
							Concepts and applications of			
							biology formatted to model			
							implications of state and national			
							pedagogical standards, aimed			
							specifically at preparing students			
							for biology teaching in Grades 4-			Lecture/La
							9. For Middle Childhood			b
			Concepts in				Education majors only.			Combinatio
Fall 2007	BIO346	346	Biology II	BIO	Biology	4.5	Integrated lecture/lab.	UG	LL	n
							Examination of the scientific			
							theory and applied research			
							focused on the sustained			
			Conservation				preservation of global biological			
Fall 2007	BIO380	380	Biology	BIO	Biology	3	diversity.	UG	LE	Lecture

Fall 2007 BIO399 399 Teaching Asst BIO Biology 1 Graded pass/unsatisfactory. UG LE Lecture							Supervised experience in preparing materials and apparatus for laboratory sessions in the biological sciences. Students will work with course staff on a regularly scheduled basis to develop the practices and skills associated with			
Fall 2007 BIO399 399 Teaching Asst BIO Biology 1 Graded pass/unsatisfactory. UG LE Lecture Topics in Modern Biology BIO Biology 1 Topics vary. UG IS nt Study Fall 2007 BIO401 401 Biology BIO Biology 0 UG IS nt Study Fall 2007 BIO401W 401W 401W BIO							and assist course staff in			
Fall 2007 BIO399 399 Teaching Asst BIO Biology 1 Graded pass/unsatisfactory. UG LE Lecture Topics in Modern Biology BIO Biology 1 Topics vary. UG IS Independe Independe Independe Pall 2007 BIO401 401 BIO				Undergrad			, ,			
Fall 2007 BIO401 401 Biology BIO Biology 1 Topics in Modern Fall 2007 BIO401 401 Biology BIO Biology 0 UG IS Int Study Writing in BIO BIO Biology 0 UG UG LB Lab Writing intensive course using current research articles to develop critical thinking skills, designed for advanced undergraduates, or beginning graduate students. Four different sections emphasize Fall 2007 BIO402 402 Biology BIO Biology 3 broad areas of biology. BIO402 BIO402 BIO402 BIO402 BIO402 BIO402 BIO502	Fall 2007	BIO399	399	U	ВІО	Biology	· · · · · · · · · · · · · · · · · · ·	UG	LE	Lecture
Fall 2007 BIO401 401 Biology BIO Biology 0 UG IS nt Study Writing in BIO Biology 0 UG LB Lab Writing intensive course using current research articles to develop critical thinking skills, designed for advanced undergraduates, or beginning graduate students. Four different sections emphasize Fall 2007 BIO402 402 Biology BIO Biology 3 broad areas of biology. UG SE Seminar Describes underlying processes that initiate, in plants and animals, the development of tissues and the whole organism.							·			
Fall 2007 BIO401W 401W 401 BIO Biology 0 UG LB Lab Writing in BIO 401W 401 BIO Biology 0 UG LB Lab Writing intensive course using current research articles to develop critical thinking skills, designed for advanced undergraduates, or beginning graduate students. Four different sections emphasize Fall 2007 BIO402 402 Biology BIO Biology 3 broad areas of biology. UG SE Seminar Describes underlying processes that initiate, in plants and animals, the development of tissues and the whole organism.				Modern			biology of current interest.			Independe
Fall 2007 BIO401W 401W 401 BIO Biology 0 Writing intensive course using current research articles to develop critical thinking skills, designed for advanced undergraduates, or beginning graduate students. Four different sections emphasize Fall 2007 BIO402 402 Biology BIO Biology 3 broad areas of biology. UG SE Seminar Describes underlying processes that initiate, in plants and animals, the development of tissues and the whole organism.	Fall 2007	BIO401	401		BIO	Biology	1 Topics vary.	UG	IS	nt Study
Writing intensive course using current research articles to develop critical thinking skills, designed for advanced undergraduates, or beginning graduate students. Four different sections emphasize Biology BIO Biology 3 broad areas of biology. UG SE Seminar Describes underlying processes that initiate, in plants and animals, the development of tissues and the whole organism.				_						
current research articles to develop critical thinking skills, designed for advanced undergraduates, or beginning graduate students. Four different sections emphasize Biology BIO Biology 3 broad areas of biology. UG SE Seminar Describes underlying processes that initiate, in plants and animals, the development of tissues and the whole organism.	Fall 2007	BIO401W	401W	401	BIO	Biology	0	UG	LB	Lab
develop critical thinking skills, designed for advanced undergraduates, or beginning graduate students. Four different sections emphasize Fall 2007 BIO402 402 Biology BIO Biology 3 broad areas of biology. UG SE Seminar Describes underlying processes that initiate, in plants and animals, the development of tissues and the whole organism.							9			
designed for advanced undergraduates, or beginning graduate students. Four different sections emphasize Fall 2007 BIO402 402 Biology BIO Biology 3 broad areas of biology. UG SE Seminar Describes underlying processes that initiate, in plants and animals, the development of tissues and the whole organism.										
Fall 2007 BIO402 402 Biology BIO Biology 3 broad areas of biology. UG SE Seminar Describes underlying processes that initiate, in plants and animals, the development of tissues and the whole organism.										
Fall 2007 BIO402 402 Biology BIO Biology 3 broad areas of biology. UG SE Seminar Describes underlying processes that initiate, in plants and animals, the development of tissues and the whole organism.										
Fall 2007 BIO402 402 Biology BIO Biology 3 broad areas of biology. UG SE Seminar Describes underlying processes that initiate, in plants and animals, the development of tissues and the whole organism.										
Describes underlying processes that initiate, in plants and animals, the development of tissues and the whole organism.				Current Lit in			different sections emphasize			
that initiate, in plants and animals, the development of tissues and the whole organism.	Fall 2007	BIO402	402	Biology	BIO	Biology	3 broad areas of biology.	UG	SE	Seminar
animals, the development of tissues and the whole organism.							3 0 .			
tissues and the whole organism.							·			
							•			
Ladoratory exercises nigniight							S S			
Developmental developmental processes. Three				Dovolonmental						
Fall 2007 BIO403 403 Biology BIO Biology 5 hours lecture, four hours lab. UG LB Lab	Fall 2007	BIO403	403	·		Biology	· · · · · ·	UG	I R	Lab

						Describes underlying processes			
						Describes underlying processes			
						that initiate, in plants and			
						animals, the development of			
						tissues and the whole organism.			
			5			Laboratory exercises highlight			
F 11 0007	DIO 400	400	Developmental		D: 1	developmental processes. Three			
Fall 2007	BIO403	403	Biology	BIO	Biology	5 hours lecture, four hours lab.	UG	LE	Lecture
			Develop						
Fall 2007	BIO403L	403L	Biology Lab	BIO	Biology	0 Required laboratory for BIO 403.	UG	LB	Lab
						Basic theory and practical			
						experience in transmission			
						electron microscopic technology.			
						Animal, plant, and particulate			
			Basic Electron			specimens are processed in the			
Fall 2007	BIO404	404	Microscopy	BIO	Biology	6 laboratory.	UG	LE	Lecture
			Eletron						
			Microscopy						
Fall 2007	BIO404L	404L	Lab	BIO	Biology	0 Required laboratory for BIO 404.	UG	LB	Lab
						Historical development and			
			Evolutionary			current understanding of the			
Fall 2007	BIO406	406	Biology	BIO	Biology	3 principles of evolution.	UG	LE	Lecture
						Ecological investigation of			
						wetlands of United States, with			
						emphasis on Midwest. Primarily			
						field oriented and some lecture.			Lecture/La
						Covers soils, vegetation,			b
			Wetlands			hydrology, conservation, and			Combinatio
Fall 2007	BIO407	407	Biology	BIO	Biology	5 restoration.	UG	LL	n
						Surveys grammatical and stylistic			
						aspects of scientific writing and			
						teaches students how to			
						organize, write, and submit a			
						manuscript for publication in a			
			Writing in the			biological journal. Writing grants			
Fall 2007	BIO408	408	Bio Sci	BIO	Biology	3 will also be discussed.	UG	LE	Lecture
			Writing in BIO			Required writing component for			
Fall 2007	BIO408W	408W	408	BIO	Biology	0 BIO 408.	UG	LB	Lab

Fall 2007	BIO420W	420W	420	ВІО	Biology	0		UG	LB	Lab
Fall 2007	BIO420R	420R	Exper Rec Writing in Bio	BIO	Biology	0	Required recitation for BIO 420.	UG	RE	Recitation
			Designing Bio							
Fall 2007 Fall 2007	BIO415	420	Toxicology Designing Bio Experiments	BIO	Biology		organic chemistry required. Principles of effective sampling design for biological experiments. Reconciling the peculiarities of biological data with the assumptions of statistical methods. Lectures and problem sets.	UG	LE LE	Lecture
			Intro to				Covers toxicological problems encountered in the field of environmental health. Emphasis on monitoring, control, and regulation of toxic substances in air and water and in industrial environments. Completion of a course in physiology and in			
Fall 2007	BIO414	414	Terrestrial Communities	BIO	Biology	5		UG	LE	Lecture
Fall 2007	BIO411W	411W	Writing in BIO 411	BIO	Biology	0	Required writing component for BIO 411.	UG	LB	Lab
Fall 2007	BIO411L	411L	Aquatic Environment Lab	BIO	Biology		Required laboratory for BIO 411.	UG	LB	Lab
Fall 2007	BIO411	411	The Aquatic	BIO	Biology	5	Introduction to limnology. Field and laboratory course concerned with physical, chemical, and biological factors that characterize natural waters.	UG	LE	Lecture

							Describes mechanism of inheritance and genetic diseases so that health professionals can recognize possible genetic abnormalities and make appropriate referrals, participate in genetic counseling, and consider ethical and legal			
			Human Genet				implications of the "new			
Fall 2007	BIO421	421	Health Profs	BIO	Biology		genetics." For nonmajors only.	UG	LE	Lecture
			Human				Nature of human genetic traits, methods of analysis and			
Fall 2007	BIO426	426	Genetics Biological	BIO	Biology		inheritance. The basic principles and practices of biosafety are examined. This course teaches the identification, handling, and containment of potentially hazardous biological materials, including microorganisms and	UG	LE	Lecture
Fall 2007	BIO434	434	Safety	BIO	Biology	2	recombinant DNA. (Also listed as BMS 790, BIO	UG	LE	Lecture
5 H 0007	210.407	407	Recombinant	BIO.			737, M&I 437, M&I 737.) Microbial and molecular techniques for producing, cloning, and characterizing recombinant DNA molecules. Laboratory exercises in gene manipulation give an			
Fall 2007	BIO437	437	DNA Methods	BIO	Biology		understanding of the principles A survey course that focuses on major topics in endocrinology. Topics range from the overall workings of the hypothalamohypophsial axis to comparative aspects of reproductive	UG	LB	Lab
Fall 2007	BIO441	441	Endocrinology	BIO	Biology	3	endocrinology.	UG	LE	Lecture

Fall 2007	BIO442	442	Adv Molecular Bio	BIO	Biology	3	Topics emphasizing gene organization and genome organization will center on the molecular anatomy, expression, and regulation of eukaryotic genes. Includes a thorough discussion of recombinant DNA technology.	UG	LE	Lecture
Fall 2007	BIO443	443	Vertebrate Histiology	BIO	Biology	5	Study of structure/function relationships in vertebrate tissues, organs and organ systems.	UG	LE	Lecture
Fall 2007	BIO443L	443L	Lab in Vertebrate	BIO	Biology	0		UG	LB	Lab
Fall 2007	BIO443W		Writing in BIO 443	BIO	Biology	0		UG	LB	Lab
Fall 2007	BIO444	444	Plant Physiology	BIO	Biology	5	Special aspects of plant physiology that set plants apart from other organisms. Laboratory introduces independent research concerning plant nutrition and bud	UG	LL	Lecture/La b Combinatio n
Fall 2007	BIO444L	444L	Plant Physiology Lab Writing in BIO	BIO	Biology	0	Required laboratory for BIO 444. Required writing component for	UG	LB	Lab
Fall 2007	BIO444W		444 Plants & The	BIO	Biology		BIO 444. The course covers the effects of abiotic and biotic environmental stressors on plants in natural and agro-ecosystems and the mechanisms that plants use to combat damage by these		LB	Lab
Fall 2007	BIO445	445	Environment	BIO	Biology	3	stresses.	UG	LE	Lecture

		_		1			E			1
							Exercise pharmacology concerns			
							the effect of exercise on the			
							therapeutic actions of commonly			
							used prescriptions and over-the-			
							counter drugs. The effect of			
			Exercise				drugs on athletic performance is			
Fall 2007	BIO452	452	Pharmacology	BIO	Biology	3	also emphasized.	UG	LE	Lecture
							A survey of topics and			
							techniques encountered in			
							studies of the relationships and			
			Plant				evolution of the higher plants,			
Fall 2007	BIO455	455	Systematics	BIO	Biology	3	emphasizing the flowering	UG	LE	Lecture
							Students will study the			
							development of the ecosystem			
							concept and the traditional ways			
							in which organisms can alter			
							ecosystem dynamics through			
			Biology of				physical or chemical interactions			
Fall 2007	BIO456	456	Ecosystems	BIO	Biology	3	with their environments.	UG	LE	Lecture
							Examination of the causes of			
							genetic differences within and			
							among species and how			
							molecular biology techniques can			
							be used to identify these			
							differences. Emphasizes human			
			Population				genetics, anthropology, ecology,			
Fall 2007	BIO460	460	Genetics	BIO	Biology	3	and conservation implications.	UG	LE	Lecture
							Studies the evolutionary history			
							of organisms by interpreting			
							their genomes as historical			
							documents. Focuses on the			
			Molecular				origins of human traits and			
Fall 2007	BIO461	461	Evolution	BIO	Biology	3	diseases, phylogenetic	UG	LE	Lecture
							Principles of food microbiology,			
							preservation, and handling.			
			Microbiology				Major organisms of food			
Fall 2007	BIO464	464	of Food	BIO	Biology	3	poisoning and means of control	UG	LE	Lecture

						Basic study of morphology,
						physiology, habits and
						classification of insects. Some
			General			discussion of pesticide toxicology
Fall 2007	BIO470	470	Entomology	BIO	Biology	3 and insect management UG LE Lecture
			33		33	Theory-oriented approach to
						application of contemporary
						algorithms to bioinformatics.
						Graph theory, complexity theory,
						dynamic programming and
						optimization techniques are
						introduced for solving specific
			Bioinformatic			computational problems in
Fall 2007	BIO471	471	Algorithms	ВІО	Biology	4 molecular genetics. UG LE Lecture
1						Biological aspects of marine
						environments. Sampling and
						observation of living marine
			Bio Selected			specimens during week-long trip
Fall 2007	BIO473	473	Marine Env	BIO	Biology	5 to marine laboratory. UG LE Lecture
						Methods for evaluating microbial
						quality of food. Includes
						investigation of major
						pathogens, and techniques and
						principles of processing food.
			Microbiology			Completion of a laboratory
Fall 2007	BIO475	475	of Food Lab	BIO	Biology	2 course in general microbiology UG LB Lab
						Study of aspects of parasitology
						including biology, epidemiology,
						diagnosis, and identification of
						parasites. Divided into three
						major categories: protozoology,
			Human			helminthology, and
Fall 2007	BIO476	476	Parasitology	BIO	Biology	2 arthropodology. UG LE Lecture
			Human			Examination and identification of
			Parasitology			protozoan, helminthic, and
Fall 2007	BIO477	477	Lab	BIO	Biology	3 arthropod parasites of humans. UG LB Lab

							(Also listed as GEO 484.)			
							Introduction to the factors			
							affecting the distribution of			
Fall 2007	BIO484	484	Biogeography	BIO	Biology	3	plants and animals.	UG	LE	Lecture
			Independent							Independe
Fall 2007	BIO488	488	Reading	BIO	Biology	1	Graded pass/unsatisfactory.	UG	IS	nt Study
							Off-campus experience in			
							cooperating scientific agency or			
							industrial organization. Reports			
							and specific assignments			
							determined in consultation with			
			Biology				faculty advisor and supervising			Independe
Fall 2007	BIO490	490	Internship	BIO	Biology	9	professionals.	UG	IS	nt Study
							Literature survey, discussion,			
							and oral presentations of			
							selected topics in the biological			
							sciences. Course requires written			
			Senior				presentations when offered for			
Fall 2007	BIO492	492	Seminar	BIO	Biology	2	two credits and one recitation.	UG	SE	Seminar
			Writing in BIO				Required writing component for			
Fall 2007	BIO492W	492W	492	BIO	Biology	0	BIO 492.	UG	LB	Lab
			Senior Honors							Independe
Fall 2007	BIO495	495	Research	BIO	Biology	1		UG	IS	nt Study
			Special Prob in							Independe
Fall 2007	BIO499	499	Biology	BIO	Biology	1		UG	IS	nt Study
							Describes mechanisms of			
							inheritance and genetic diseases			
							so that health professionals can			
							recognize possible genetic			
							abnormalities and make			
							appropriate referrals, participate			
							in genetic counseling, and			
							consider ethical and legal			
			Human Genet				implications of the "new			
Fall 2007	BIO521	521	Health Profs	BIO	Biology	3	genetics." For nonmajors only.	GR	LE	Lecture

							An accelerated treatment of			
							fundamental concepts and			
							applications of biology for			
							Elementary Educaiton majors.			1 1 /1 -
							Topics and activities organized			Lecture/La
							specifically to prepare students			b
			Concepts in				for science teaching at levels K-			Combinatio
Fall 2007	BIO545	545	Biology	BIO	Biology	4.5	8. For Educaiton Majors only.	GR	LL	n
							An accelerated treatment of			
							fundamental concepts and			
							applications of biology for			
							Elementary Educaiton majors.			
							Topics and activities organized			
							specifically to prepare students			
			Concepts in				for science teaching at levels K-			
Fall 2007	BIO545	545	Biology	BIO	Biology	4.5	8. For Educaiton Majors only.	GR	LE	Lecture
							Concepts and applications of			
							biology formatted to model			
							implications of state and national			
							pedagogical standards, aimed			Lecture/La
							specifically at preparing students			b
			Concepts in				for biology teaching in grades 4-			Combinatio
Fall 2007	BIO546	546	Biology II	BIO	Biology	4.5	9. For Middle Childhood Majors	GR	LL	n
							Covers the operation of			
							managing hazardous materials			
							and emergency response in the			
							workplace or at spills or at			
							hazardous waste sites. Satisfies			
			Hazard Mat				OSHA 40 hour training			
Fall 2007	BIO568	568	Hlth & Safety	BIO	Biology	4	requirements in 40 CFR	GR	LE	Lecture
							Refresher training covering			
							management of hazardous			
							materials and energy response in			
							the workplace or at spills or			
							hazardous waste sites. Satisfies			
			Hazwoper				OSHA 8 hour training			
Fall 2007	BIO569	569	Refresher	BIO	Biology	1	requirement in 40 CFR 1910.120.	GR	LE	Lecture

						Writing intensive course using	
						current research articles to	
						develop critical thinking skills	
						designed for advanced	
						undergraduates or graduate	
			Current Lit in			students. Four different sections	
Fall 2007	BIO602	602	Biology	BIO	Biology	3 emphasize broad areas of GR SE	Seminar
1 411 2007	DIOUOZ	002	ыоюду	ыо	biology	(Also listed as BMS 839.)	Scrima
						Describes underlying processes	
						that initiate, in plants and	
			Developmental			animals, the development of	
Fall 2007	BIO603	603	Biology	BIO	Biology	5 tissue and whole organisms. GR LE	Lecture
1 411 2007	D.0000	000	Developmental		Diology	o tissue and whole organisms.	Lootaro
Fall 2007	BIO603L	603L	Biology Lab	BIO	Biology	0 Required laboratory for BIO 603. GR LB	Lab
2007	2.0002	0002	zielegy zaz	2.0	2.0.095	Historical development and	
			Evolutionary			current understanding of the	
Fall 2007	BIO606	606	Biology	BIO	Biology	3 principles of evolution. GR LE	Lecture
			3 3 3 3 3			Ecological investigation of	
						wetlands of the U.S. with	
						emphasis on the Midwest.	
						Primarily field oriented with	
						some lecture. Covers soils,	Lecture/La
						vegetation, hydrology,	b
			Wetlands			conservation, and restoration.	Combinatio
Fall 2007	BIO607	607	Biology	BIO	Biology	5 Requires two weekend trips and GR LL	n
						Surveys grammatical and stylistic	
						aspects of scientific writing and	
						teaches how to organize, write,	
						and submit a manuscript for	
			Writing in the			publication in a biological	
Fall 2007	BIO608	608	Bio Sci	BIO	Biology	3 journal. Grant writing is also GR LE	Lecture
						Field and laboratory course	
						concerned with the physical,	
						chemical, and biological factors	
						that determine biological	
			The Aquatic			productivity in natural waters. 3	
Fall 2007	BIO611	611	Environment	BIO	Biology	5 hours lecture, 6 hours lab. GR LE	Lecture

			The Aquatic						
Fall 2007	BIO611L	611L	Environ Lab	BIO	Biology	0 Required laboratory for BIO 611.	GR	LB	Lab
			Aquatic						
E !! 0007	D10/401		Communties	510	B		0.5	. 5	
Fall 2007	BIO612L	612L	Lab	BIO	Biology	0 Required laboratory for BIO 612.	GR	LB	Lab
F-II 0007	DIO (40)	(40)	Bio Prob-	DIO	Diala ma	O De sur land leb enchant for DIO (12)	CD.	l D	1 -1-
Fall 2007	BIO613L	613L	Water Pol Lab	BIO	Biology	0 Required laboratory for BIO 613.	GR	LB	Lab
Fall 2007	DIO 414	614	Terrestrial Communities	BIO	Diology	5	GR	LE	Looturo
Fall 2007	BIO614	014	Communities	BIO	Biology		GK	LE	Lecture
						Covers toxicological problems encountered in the field of			
						environmental health. Emphasis			
						on monitoring, control, and			
						regulation of toxic substances in			Lecture/Re
						air and water, and in industrial			citation
			Environmental			environments. 3 hours lecture, 1			Combinatio
Fall 2007	BIO615	615	Toxicology	ВІО	Biology	4 hour recitation.	GR	LR	n
1 411 2007	БІООТО	013	Toxicology	DIO	Diology	Study of the effects of	OIX	LIX	11
						environmental contaminants on			
						aquatic and terrestrial			
						organisms. Effects on the			
						biochemical and physiological			
						levels are related to impacts on			
						individuals, populations, and			
						ecosystems. Current approaches			
Fall 2007	BIO616	616	Ecotoxicology	BIO	Biology	4 for assessing ecotoxicity are	GR	LE	Lecture
			03		03	Principles of effective sampling			
						design for biological			
						experiments. Reconciling the			
						peculiarities of biological data			Lecture/Re
						with the assumptions of			citation
			Designing Bio			statistical methods. Lectures and			Combinatio
Fall 2007	BIO620	620	Experiments	BIO	Biology	3 problem sets.	GR	LR	n
			Microbial						
Fall 2007	BIO625L	625L	Ecology Lab	BIO	Biology	Required laboratory for BIO 625.	GR	LB	Lab
						(Also listed as BMS 780.) Nature			
			Human			of human genetic traits; methods			
Fall 2007	BIO626	626	Genetics	BIO	Biology	4 of analysis of inheritance.	GR	LE	Lecture

			Risk Assess &			Studies the determination of quantitative risk to humans and the environment. Approaches currently used in regulatory activities are described, showing method of hazard identification, sampling, data evaluation, exposure assessment, toxicity assessment, and risk			
Fall 2007	BIO631	631	Communicat	BIO	Biology	4 characterization.	GR	LE	Lecture
			Risk			Follow-up course to BIO 631. Includes key components of risk assessments, such as pharmacokinetic modeling, environmental fate and transport modeling, low dose			
Fall 2007	BIO632	632	Asessment II	BIO	Biology	3 extrapolation, and risk	GR	LE	Lecture
Fall 2007	BIO640	640	Environmental Health	BIO	Biology	This course focuses on the topics of Environmental Health that have the greatest affect on the community. It provides a survey of broad Environmental Public 4 Health issues.	GR	LE	Lecture
			Vertebrate		3	A survey course that focuses on major topics in endocrinology. Topics range from the overall workings of the hypothalamohypophysial axis to comparative aspects of reproductive			
Fall 2007	BIO641	641	Endocrinology	BIO	Biology	3 endocrinology.	GR	LE	Lecture
			Adv Molecular			Emphasizes gene organization and genome organization focusing on the molecular anatomy, expression, and regulation of eukaryotic genes. Includes a thorough discussion			
Fall 2007	BIO642	642	Bio	BIO	Biology	3 of recombinant DNA technology.	GR	LE	Lecture

			Verterbrate			Study of structure/function relationships in vertebrate tissues, organs and organ			
Fall 2007	BIO643	643	Histiology	BIO	Biology	5 systems.	GR	LE	Lecture
			Lab in Vertebrate						
Fall 2007	BIO643L	643L	Histiology	BIO	Biology	0	GR	LB	Lab
			Plant			Special aspects of plant physiology that set plants apart from other organisms. Laboratory introduces independent research concerning			Lecture/La b Combinatio
Fall 2007	BIO644	644	Physiology	BIO	Biology	5 plant nutrition and bud	GR	LL	n
Fall 2007	BIO644L	644L	Plant Physiology Lab	BIO	Biology	0 Required laboratory for BIO 644.	GR	LB	Lab
			Plants and the			This course covers the effects of abiotic and biotic environmental stressors on plants in natural and agro-ecosystems, and the mechanisms the plants use to combat damage by these			
Fall 2007	BIO645	645	Environment	BIO	Biology	3 stresses.	GR	LE	Lecture
			Env Manag &			Enlarges students' environmental perspective by focusing on management issues as they relate to air, water, and land resources including ethics, policy, and economics, as well as questions relating to specific			
Fall 2007	BIO651	651	Risk Comm	BIO	Biology	3 resources. Titles vary.	GR	LE	Lecture

			Natural Resource			Lecture/seminar course covering principles of wildlife, fisheries, and forestry management. Major topics include basic ecological principles, population dynamics and analysis, habitat assessment, and ecosystem and			
Fall 2007	BIO653	653	Managmt	BIO	Biology	3 people management.	GR	LE	Lecture
Fall 2007	BIO654	654	OSHA Compliance	віо	Biology	Intended for persons having management responsibilities for occupational safety & health, this course provides practical application of theories of safety & health law, and suggestions for their real world application.	GR	LE	Lecture
1 411 2007	Brede 1	001	Plant		Diction	A survey of topics and techniques encountered in studies of the relationship and evolution of the higher plants,			Ecotorio
Fall 2007	BIO655	655	Systematics	ВІО	Biology	3 emphasizing the flowering	GR	LE	Lecture
Fall 2007	BIO656	656	Microbial Genetics Lab	BIO	Biology	3	GR	LE	Lecture
Fall 2007	BIO656	656	Biology of Ecosystems	віо	Piology	This course will study the development of the ecosystem concepts and the traditional ways in which organisms can alter ecosystem dynamics through physical or chemical 3 interactions with the	GR	LE	Lecture
rdii 2007	БІООЗО	000	Occupational	ВІО	Biology	Practical and useful information for helping ensure long-term worker health and safety study of the capabilities and limitations of the human body in relation to the work environment, including	GK	LE	Lecture
Fall 2007	BIO657	657	Ergonomics	BIO	Biology	2 use of products.	GR	LE	Lecture

						Examination of the causes of genetic differences within and among species and how			
						molecular biology techniques can			
						be used to identify these			
						differences. Emphasized human			
			Population			genetics, anthropology, ecology			
Fall 2007	BIO660	660	Genetics	BIO	Biology	3 and conservation implications.	GR	LE	Lecture
						Studies the evolutionary history			
						of organisms by interpreting			
						their genomes as historical			
						documents. Focuses on the			
E !! 0007	DIO / / 4		Molecular	D. C	_	origins of human traits and	0.5		
Fall 2007	BIO661	661	Evolution	BIO	Biology	3 diseases, phylogenetic	GR	LE	Lecture
						Communicable and occupational			
						diseases of contemporary			
						importance; includes			
			F			epidemiological investigation,			
F 11 0007	DIO		Epidemiology	DIO	B: 1	environmental considerations,	0.0		
Fall 2007	BIO662	662	& Comm HIth	BIO	Biology	3 and control procedures.	GR	LE	Lecture
						Lecture/seminar course covering			
						principles of public health			
						organization and administration,			
						public health law, comprehensive			
						health planning and the community services provided by			
			Public Hlth			health-related agencies.			
Fall 2007	BIO663	663	Organization	BIO	Biology	nlealth-related agencies.	GR	LE	Lecture
1 all 2007	DIO003	003	Organization	ыо	Бююду	Principles of food microbiology,	GK	LL	Lecture
						preservation, and handling.			
			Microbiology			Major organisms of food			
Fall 2007	BIO664	664	of Food	вю	Biology	3 poisoning and means of control	GR	LE	Lecture
1 411 2007	510004	004	01 1 000	510	biology	Introduction to accident	JI.	LL	Lociuie
						recognition, evaluation, and			
						control in the work environment,			
						with emphasis on methods of			
			Fund Occup			hazard recognition and control			
Fall 2007	BIO666	666	Hlth & Safety	ВІО	Biology	3 management.	GR	LE	Lecture

							Introduction to accident			
							recognition, evaluation, and			
							control in the work environment			
							by hands-on type of equipment			
							usage. Methods of inspection,			
							accident investigation, and			
			Fund Occup				evaluation of accident programs			
Fall 2007	BIO667	667	Hith/Safty Lab	BIO	Biology	3	are stressed.	GR	LB	Lab
1 411 2007	B10007	007	Then your ty Lab	5.0	Diology		Introduction to industrial	O. C		
							hygiene. Emphasis is on routes			
			Adv Occup				of entry into the human body			
			Health &				and physiological effects of			
Fall 2007	BIO668	668	Safety	BIO	Biology	3	industrial pollutants.	GR	LE	Lecture
	2.000		Jaioty		2.0.093		Introduction to industrial	0.1		200100
							hygiene. Methods of measuring			
							toxic effects and providing			
			Industrial				adequate protection are			
Fall 2007	BIO669	669	Hygiene I Lab	BIO	Biology	2	discussed and demonstrated.	GR	LE	Lecture
			i i j gi i i i i i i i i i i i i i i i i				Basic study of morphology,			
							physiology, habits and			
							classification of insects. Some			
							discussion of pesticides,			
							toxicology, and insect			
Fall 2007	BIO670	670	Entomology	BIO	Biology	3	management included.	GR	LE	Lecture
			33		33		Designed to provide a broad			
							overview of the science of air			
							quality and its management:			
							includes atmospheric pollutants,			
							dispersion, health and welfare			
							effects, air quality monitoring,			
			Air Quality				source control, regulation, and			
Fall 2007	BIO672	672	Management	BIO	Biology	3	indoor air pollution.	GR	LE	Lecture
							Biological aspects of marine			
							environments. Sampling and			
							observation of living marine			
			Bio of Selected				specimens during week-long trip			
Fall 2007	BIO673	673	Marine En	BIO	Biology	5	to a marine laboratory.	GR	LE	Lecture

						Methods for evaluating microbial			
						quality of food. Includes			
						investigation of major			
						pathogens, techniques, and			
						principles of processing food.			
						Field trips required. Completion			
			Microbiology			of a laboratory course in general			
Fall 2007	BIO675	675	of Food Lab	BIO	Biology	2 microbiology required.	GR	LB	Lab
						(Also listed as BMS 799.) Study			
						of the medical aspects of			
						parasitology, such as pathology,			
						symptomatology, diagnosis, and			
						identification of parasites. Course			
						content is divided into three			
						major categories: human			
						protozoology, human			
						helminthology, and human			
						arthropodology. Designed			
						primarily for medical			
						technologists, biology teachers,			
			Human			and environmental health			
Fall 2007	BIO676	676	Parasitology	BIO	Biology	2 students.	GR	LE	Lecture
						Laboratory course designed to			
			Human			examine and identify protozoan,			
			Parasitology			helminthic, and arthropod			
Fall 2007	BIO677	677	Lab	BIO	Biology	3 parasites of humans.	GR	LB	Lab
						Introduction to the factors			
						affecting the distribution of			
Fall 2007	BIO684	684	Biogeography	BIO	Biology	3 plants and animals.	GR	LE	Lecture
						Seminar provides students with a			
						more in-depth understanding of			
						a number of environmental			
						topics and enhances library			
						research, writing, presentation,			
						and advocacy skills. In addition,			
						students will learn that there are			
			Environ Issues			at least two sides to any of the			
Fall 2007	BIO692	692	Seminar	BIO	Biology	2 issues discussed.	GR	SE	Seminar

E # 0007	D10 (00	(00	Special Prob in		5		A maximum of 4 credits is applicable toward degree			Independe
Fall 2007	BIO699	699	Biology	BIO	Biology	1	requirements.	GR	IS	nt Study
							Survey of available instructional materials and discussion of			
			Prin				educational theory and			
			Instruction				techniques leading to more			
Fall 2007	BIO700	700	Biology	ВІО	Biology	1	effective instruction.	GR	LE	Lecture
1 411 2007	DIO700	700	Selected	ыо	blology	<u>'</u>	chective instruction.	OK	LL	Lecture
Fall 2007	BIO701	701	Topics in Bio	BIO	Biology	1	Topics vary.	GR	LE	Lecture
	2.0701		Selected	2.0		<u> </u>				Independe
Fall 2007	BIO701	701	Topics in Bio	BIO	Biology	1	Topics vary.	GR	IS	nt Study
					33		Different research problems			
							under investigation by the			
							faculty are described with			
			Intro to				respect to objectives,			
			Research				methodology, and progress as			
Fall 2007	BIO702	702	Biology	BIO	Biology	2	examples of scientific methods	GR	LE	Lecture
							Molecular mechanism of			
							development including topics			
			Advanced				such as cell signaling, pattern			
			Development				formation, terminal			
Fall 2007	BIO703	703	Bio	BIO	Biology	4	differentiation.	GR	LE	Lecture
							(Also listed as BMS 835.) A			
							comprehensive course			
							addressing both the known and			
							theoretical aspects of cellular			
							organization and function.			
- U 0007	D10700	700	Mammalian	D. C	D		Suitable as an introductory	0.5		
Fall 2007	BIO720	720	Cell Biology	BIO	Biology	4	course for graduate study.	GR	LE	Lecture
							(Also listed as BMS 778.)			
							Provides a survey of basic			
Eall 2007	DIOZZO	720	Coll Biology	DIO	Piology.	4	concepts that are most important		1.5	Locturo
Fall 2007	BIO730	730	Cell Biology	BIO	Biology	4	for understanding how cells	GR	LE	Lecture

							(Also listed as BMS 779.) Study of the replication, organization,			
							and function of nucleic acids with			
			Molecular				emphasis on the role of nucleic			
Fall 2007	BIO734	734	Genetics	BIO	Biology	3	acids in protein synthesis.	GR	LE	Lecture
					03		(Also listed as BMS 790 and M&I			
							737.) Microbial and molecular			
							techniques for producing,			
							cloning, and characterizing			
							recombinant DNA molecules;			
							laboratory exercises in gene			
							manipulation to give an			
			Recombinant				understanding of the principles			
Fall 2007	BIO737	737	DNA Methods	BIO	Biology	6	of genetic engineering. Graded	GR	LE	Lecture
							(Also listed as BMS 834.)			
							Introduction to theoretical and			
							practical aspects of transmission			
							electron microscopy. Emphasizes			
							interpretation and evaluation of			
							electron micrographs. 3 hours			
							lecture, 6 hours lab; additional			Lecture/La
							lab time is required. Completion			b
			Electron				of course in histology or cell			Combinatio
Fall 2007	BIO740	740	Microscopy LS	BIO	Biology	6	biology is required.	GR	LL	n
							Maintenance of contacts with			
							department. Fulfills university			
							requirement that student must			
							be registered for at least one			
							hour of graduate credit during			
			Continuing				the quarter in which they			Independe
Fall 2007	BIO789	789	Registration	BIO	Biology	1	successfully defend their thesis.	GR	IS	nt Study
							Independent project to write a			
							critical review of literature on a			
			Literature				specific topic. Graded			Independe
Fall 2007	BIO799	799	Critique	BIO	Biology	1	pass/unsatisfactory.	GR	IS	nt Study
			Graduate			_				
Fall 2007	BIO800	800	Seminar	BIO	Biology	1	Topics vary.	GR	SE	Seminar

E 11 0007	DIOCOC	000	0 15 1	DIO	D: 1			0.0	10	Independe
Fall 2007	BIO899	899	Grad Research	RIO	Biology	2	Supervised thesis research.	GR	IS	nt Study
							Nutrition as an integrated			
							science emphasizing biochemical			
							and physiological principles.			
							Topics include nutritional			
							energetics, specific nutrients,			
					Biochem		and nutrition and physiology.			
					&		Relation of basic concepts to			
			Human		Molecular		clinical situations and to			
Fall 2007	BMB250	250	Nutrition	BMB	Biology	4	nutritional management of	UG	LE	Lecture
					Biochem					
					&					
					Molecular					Independe
Fall 2007	BMB401	401	Topics in BMB	BMB	Biology	1		UG	IS	nt Study
					Biochem					
					&		Chemistry of biological			
					Molecular		compounds and introduction to			
Fall 2007	BMB421	421	Biochemistry I	BMB	Biology	4	enzymes.	UG	LE	Lecture
					Biochem					
					&					
			Biochemistry I		Molecular					
Fall 2007	BMB421R	421R	Rec	BMB	Biology	0	Required recitation for BMB 421.	UG	RE	Recitation
					Biochem					
					&		Intermediary metabolism of			
			Biochemistry		Molecular		carbohydrates, proteins, nucleic			
Fall 2007	BMB423	423	П	BMB	Biology	4	acids, and lipids.	UG	LE	Lecture
					Biochem					
					&					
			Biochemistry		Molecular					
Fall 2007	BMB423R	423R	II Rec	BMB	Biology	0	Required recitation for BMB 423.	UG	RE	Recitation
							Metabolism of hormones and			
							amino acids, integration of			
					Biochem		metabolism, and aspects of			
					&		human biochemistry including			
			Human		Molecular		some metabolic disorders and			
Fall 2007	BMB427	427	Biochemistry	BMB	Biology	4	nutrition.	UG	LE	Lecture

					Biochem					
					&					
			Independent		Molecular					Independe
Fall 2007	BMB488	488	Reading	BMB	Biology	1		UG	IS	nt Study
					Biochem		Laboratory experience in			
			Biochem		&		biochemistry. May be taken for			
			Honors		Molecular		letter grade or			
Fall 2007	BMB495	495	Research	BMB	Biology	1	pass/unsatisfactory.	UG	LE	Lecture
					Biochem					
					&					
			Undergraduat		Molecular		May be taken for letter grade or			Independe
Fall 2007	BMB499	499	e Research	BMB	Biology	1	pass/unsatisfactory.	UG	IS	nt Study
					Biochem					Lecture/La
					&					b
			Biochemistry		Molecular					Combinatio
Fall 2007	BMB601	601	Research	BMB	Biology	2		MD	LL	n
							Metabolism of hormones and			
					Biochem		amino acids. Integration of			
					&		metabolism. Aspects of human			
			Human		Molecular		biochemistry including some			
Fall 2007	BMB627	627	Biochemistry	BMB	Biology	4	metabolic disorders and	GR	LE	Lecture
					Biochem					
					&					
			Spec Problems		Molecular					Independe
Fall 2007	BMB699	699	in Biochem	BMB	Biology	1	Graded pass/unsatisfactory.	GR	IS	nt Study
					Biochem		·			
			Selected		&					
			Topics-		Molecular					Independe
Fall 2007	BMB701	701	Biochem	BMB	Biology	1		GR	IS	nt Study
					3,		Designed to acquaint new			
					Biochem		graduate students with the			
					&		research being carried out by the			
			Research		Molecular		faculty in the biochemistry			
Fall 2007	BMB702	702	Perspectives	BMB	Biology	4	program.	GR	LE	Lecture

						(Also listed as BMS 703.)	
						Research ethics emphasizes the	
						evaluation of hypothetical ethical	
						scenarios. Class discussion is	
					Biochem	based on integrating ethical	
					&	policy and practices as they	
			Research		Molecular	relate to research at Wright	
Fall 2007	BMB703	703	Ethics	BMB	Biology	1 State. Graded GR LE Lectu	re
					33	Structure of energy transducing	
						membranes of mitochondria,	
						chloroplasts and bacteria.	
						Particular emphasis placed on	
						mechanisms of energy	
						transduction, thermodynamics of	
						oxidation-reduction reactions,	
					Biochem	biophysical spectroscopic	
					&	methods, structure and surface	
					Molecular	topography of membrane	
Fall 2007	BMB726	726	Bioenergetics	BMB	Biology	4 proteins. GR LE Lectu	re
					2 2 3 3	(Also listed as BMS 767.) Current	
						concepts of the mechanism of	
						enzyme catalysis including such	
						topics as structure, kinetics,	
					Biochem	energetics, allosterism,	
					&	coenzymes, and control of	
			Proteins and		Molecular	enzymes and multienzyme	
Fall 2007	BMB727	727	Gnzymology	BMB	Biology	4 systems. GR LE Lectu	re
			- y - 3y		2 2 3 3 3	(Also listed as BMS 769.)	
					Biochem	Examines the biochemistry of	
					&	membranes and provides basic	
			Biochemistry		Molecular	information on membrane	
Fall 2007	BMB731	731	of Membranes	BMB	Biology	4 composition and processes. GR LE Lectu	re
2007	22.70.1			22	2.0.093	(Also listed as BMS 770.)	
						Structure-function analysis of	
					Biochem	biological macromolecules	
					&	(particularly proteins and	
			Physical		Molecular	polynucleotides) based on	
Fall 2007	BMB740	740	Biochemistry	BMB	Biology	4 chemical and physical properties. GR LE Lectu	re

						(Also listed as BMS 750.) Survey			
						course emphasizing an			
						experimental and problem-			
						solving approach to buffers,			
						protein structure, enzymes, and			
					Biochem	carbohydrate and lipid			
					&	metabolism. Completion of			
			Molecular		Molecular	organic chemistry course or			
Fall 2007	BMB750	750	Biochemistry I	BMB	Biology	1 permission of instructor required	. GR	LE	Lecture
					33	(Also listed as BMS 752.) Survey			
						course emphasizing an			
					Biochem	experimental and problem-			
			Molecular		&	solving approach to amino acid			
			Biochemistry		Molecular	metabolism, nucleic-acid			
Fall 2007	BMB752	752	II	BMB	Biology	1 function, and hormones.	GR	LE	Lecture
						(Also listed as BMS 753.) A			
						molecular analysis of information	ı		
						transfer into and within cells.			
						Topics include visual			
						transduction, hormones,			
					Biochem	hormone receptors, second			
					&	messengers, regulation of			
			Molecular		Molecular	transcription, and oncogenes.			
Fall 2007	BMB753	753	Signalling	BMB	Biology	4 Readings from current scientific	GR	LE	Lecture
						A profile of the general			
					Biochem	properties of transformed cells			
			Cancer:		&	and an in-depth examination of			
			Molecular		Molecular	the mechanisms of oncogenesis			
Fall 2007	BMB755	755	Aspects	BMB	Biology	3 at the level of molecular	GR	LE	Lecture
						(Also listed as BMS 760.) A			
						literature based course covering			
					Biochem	molecular events in the nucleus			
					&	including DNA replication, repair			
			Molec Bio of		Molecular	and recombination and			
Fall 2007	BMB760	760	the Nucleus	BMB	Biology	4 transcription.	GR	LE	Lecture

							(Also listed as BMS 763.)			
							Discusses the applications of			
							NMR spectroscopy to the study			
							of tissue metabolism in vivo. The			
					Biochem		fundamental theory of magnetic			
					&		resonance imaging, with a			
			NMR Spectro		Molecular		survey of clinical applications, is			
Fall 2007	BMB763	763	& Imaging	BMB	Biology		also presented.	GR	LE	Lecture
							This is a survey course of			
							modern computational tools and			
							strategies used in sequence, 3-D			
							structure and functional analysis			
					Biochem		of biomolecules. Students will			
			Comp		&		gain hands on "laboratory"			
			Tools/Strategi		Molecular		experience with key software			
Fall 2007	BMB765	765	es BMS	BMB	Biology	4	and strategies.	GR	LE	Lecture
					Biochem		-			
					&					
					Molecular					
Fall 2007	BMB777	777	Gene Therapy	BMB	Biology	4		GR	LE	Lecture
					Biochem					
					&					
			Continuing		Molecular					Independe
Fall 2007	BMB789	789	Registration	BMB	Biology	1		GR	IS	nt Study
					Biochem					
					&					
			Biochemistry		Molecular		Topics vary. Graded			
Fall 2007	BMB800	800	Seminar	BMB	Biology	1	pass/unsatisfactory.	GR	SE	Seminar
					Biochem					
			5		&					
_ :: 2007	51 13000	222	Biochemistry	21.12	Molecular	4		25		Independe
Fall 2007	BMB899	899	Research	BMB	Biology	1	Supervised thesis research.	GR	IS	nt Study
					Biochem					
			Dia ala analatan		&		Tanda was One dad			
F - II 0007	DMDOOO	000	Biochemistry	DIAD	Molecular		Topics vary. Graded	CD	C.F.	Carrationar
Fall 2007	BMB900	900	Seminar	BMB	Biology	1	pass/unsatisfactory.	GR	SE	Seminar

	1					D		1	
						Presented for physically impaired			
						students for the purpose of			
						familiarizing them with adaptive			
					Biomedica	computer usage. It is structured			
					I	to teach necessary skills related			
			Adaptive		Engineeri	to each student's rehabilitative			
Fall 2007	BME155	155	Comput Tech	BME	ng	4 needs.	UG	LE	Lecture
					Biomedica				
					I				
			Adapt Comput		Engineeri				
Fall 2007	BME155L	155L	Tech Lab	BME	ng	0 Required laboratory for BME 155.	UG	LB	Lab
						This is an introduction to the			
						study of Biomedical Engineering.			
						The broad areas of BME are			
						presented through lecture and			
					Biomedica	demonstration. Department			
					I	faculty provides interesting			
			Fundamentals		Engineeri	insights in their areas of			
Fall 2007	BME195	195	of BME	BME	ng	2 expertise.	UG	LE	Lecture
						Special topics in Biomedical			
						Engineering are offered			
						periodically on subjects that are			
						of current interest. In some			
						cases a student may take this as			
						an individual study course, the			
					Biomedica	subject matter will vary from			
					I	year to year. Check with the			
			Special Topics		Engineeri	department on type of courses			
Fall 2007	BME199	199	in BME	BME	ng	1 currently being offered.	UG	LE	Lecture
						An orientation course intended			
						for juniors who have			
						demonstrated exceptional			
						academic ability and desire to			
					Biomedica	conduct meaningful independent			
			Honors		I	research or solve unique			
			Program		Engineeri	engineering design projects			
Fall 2007	BME300	300	Seminar	BME	ng	0 during their senior year. Meets 5	UG	SE	Seminar

						Design project teams will meet
					Biomedica	with their advisor(s) on a weekly
					1	basis to review progress, make
			BME Design II		Engineeri	assignments, and further
Fall 2007	BME402	402	Lab	BME	ng	2 incubate students with design UG LB Lab
					3	Design project teams will meet
					Biomedica	with their advisor(s) on a weekly
					1	basis to review progress, make
			BME Design		Engineeri	assignments, and further
Fall 2007	BME403	403	III Lab	BME	ng	2 incubate students with design UG LB Lab
					Biomedica	
					I	
			Writing in BME		Engineeri	
Fall 2007	BME403W	403W	403	BME	ng	0 UG LB Lab
						Derivation and use of the basic
						conservation laws underlying the
						fluid mechanical behavior of the
					Biomedica	cardiopulmonary system.
					I	Includes applications to the flows
			Biofluid		Engineeri	of blood, pulmonary air, and
Fall 2007	BME419	419	Mechanics	BME	ng	3 extra-corporeal fluids. UG LE Lecture
						Introduction to transport
						phenomena in biomedical
						engineering and physiological
						systems. Energy and mass
						balances together with
						constitutive and empirical
						relationships are used in
					Diama alia a	quantifying such topics as body
					Biomedica	heat loss by the various modes,
			DME Hoot 9		I Engineer:	diffusion mass transport, and
Fall 2007	DME 430	420	BME Heat &	DME	Engineeri	heat/mass transport in applicable
Fall 2007	BME420	420	Mass Transfer	RIVIE	ng	3 technological systems. UG LE Lecture

						Application of mathematical and	
						Application of mathematical and	
						engineering techniques toward	
						describing biophysical systems.	
					Biomedica	Topics include cellular transport,	
					l l	electrical properties of	Ų
			Engineering		Engineeri	membranes, and biophysics of	Ų
Fall 2007	BME422	422	Biophysics	BME	ng	4 muscle contraction. UG LE Lecture	
						Application of solid mechanics	J
						(statics/dynamics) toward the	
						description and analysis of	Ų
						physiological systems. Topics	Ų
						include mechanics of the	J
						musculo-skeletal system, human	Ų
					Biomedica	motion and collision, introductory	Ų
					I	material mechanics, human heat	Ų
			Biomech &		Engineeri	generation, transfer and	J
Fall 2007	BME428	428	Bioenergetics	BME	ng	5 measurement. UG LE Lecture	
						Introduction to transport	
						processes vital to the design of	Ų
						medical devices for artificial	J
						intervention into living systems.	J
						Topics include circulatory system	J
					Biomedica	dynamics, mathematical Lecture/	/La
						modeling of physiological b	J
			Biotransport		Engineeri	systems, membrane transport, Combination	atio
Fall 2007	BME439	439	Art Org	BME	ng	4 and biological/artificial organ UG LL n	
			-		Biomedica	3,44,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,	
			Biotransport		Engineeri		
Fall 2007	BME439L	439L	Art Org Lab	BME	ng	0 Required laboratory for BME 439. UG LB Lab	

	DMEANO			DME	Biomedica I Engineeri	Application of properties of materials and solid mechanics to problems and design of medical implants, external prostheses, and living tissues. Topics include mechanical properties of biologic and synthetic materials, stressstrain analysis, viscoelasticity, tissue response to implants and vice versa, and implant materials for interfacing with hard and soft			
Fall 2007	BME440	440	Biomaterials	BME	ng Diamandian	4 tissues and blood.	UG	LE	Lecture
Fall 2007	BME440L	440L	Biomaterials Lab	ВМЕ	Biomedica I Engineeri ng	0 Required laboratory for BME 440.	UG	LB	Lab
Fall 2007	BME460	460	Biomedical Electronics	BME	Biomedica I Engineeri ng	Employment of modern electronic devices and circuits as applied to instrumentation and data collection associated with biomedical applications and related fields. The course includes bio-electronic laboratory component, which emphasizes a 5 hands-on active learning.	UG	LE	Lecture
			Biomedical Electronics		Biomedica I Engineeri				
Fall 2007	BME460L	460L	Lab	BME	ng	0 Required laboratory for BME 460.	UG	LB	Lab
					Biomedica I	Principles of design and analysis of electronic instrumentation for medical applications. Topics include various electrodes/transducers for physiological measurement,			
Fall 2007	BME461	461	Bioinstrument	BME	Engineeri	imaging modalities, systems, and	UG	LE	Locturo
rali 2007	DIVIE40 I	40 I	ation I	DIVIE	ng	4 electrical safety.	UG	LE	Lecture

					Biomedica					
			Bioinstrument		I Engineeri					
Fall 2007	BME461L	461L	ation I Lab	BME	ng	0	Required laboratory for BME 461.	UG	LB	Lab
						(Continuation of principles of			
						C	design and analysis of electronic			
							nstrumentation for medical			
							applications. Topics include			
							various electrodes/transducers			
							for physiological measurement			
							and electrical stimulation,			
					Biomedica		biological signal acquisition and			
							processing, various medical			
- II 0007	D145440	4.60	Bioinstrument	D. 45	Engineeri		maging modalities/systems, and			
Fall 2007	BME462	462	ation II	BME	ng "	4 6	electrical safety.	UG	LE	Lecture
					Biomedica					
			Diainatus suranat							
Fall 2007	BME462L	462L	Bioinstrument ation II Lab	BME	Engineeri	0 1	Deguired laboratory for DME 442	IIC	LB	Lab
Fall 2007	DIVIE402L	402L	ation ii Lab	DIVIE	ng Biomedica		Required laboratory for BME 462. Digital computer applications in	UG	LD	Lab
					I		biomedical related fields. Use of			
			Biomedical		Engineeri		software to solve biomedical			
Fall 2007	BME463	463	Computers I	BME	ng		problems and display the results.	HG	LE	Lecture
1 411 2007	DIVILTOS	703	Compaters	DIVIL	Biomedica	<u> </u>	oroblems and display the results.	00	<u> </u>	Lecture
			Biomedical		I					
			Computers		Engineeri					
Fall 2007	BME463L	463L	Lab	BME	ng	0	Required laboratory for BME 463.	UG	LB	Lab
		1000			1.9		Principles, hardware structure,			
							and programming techniques of			
							microprocessors. Applications of			
					Biomedica		microprocessor-based systems in			
					1	ŀ	hospitals, rehabilitation			
			Microprocesso		Engineeri	(engineering, and medical			
Fall 2007	BME464	464	rs for BME	BME	ng	4 r	research.	UG	LE	Lecture
					Biomedica					
					I					
			Microprocesso		Engineeri					
Fall 2007	BME464L	464L	rs BME Lab	BME	ng	0	Required laboratory for BME 464.	UG	LB	Lab

							Basic introduction to generation,			
							effects, and detection of ionizing			
							radiation and its application to			
					Biomedica		medicine. Successful completion			
					1		of this course entitles students to			
			Photon		Engineeri		be registered users of radioactive			
Fall 2007	BME470	470	Radiation	BME	ng		isotopes.	UG	LE	Lecture
							Overview of the various methods			
							used in generating images in			
					Biomedica		medicine. Basic principles of the			
					I		image-forming process and the			
			Medical		Engineeri		physical properties of the			
Fall 2007	BME471	471	Imaging	BME	ng	4	resultant image are discussed.	UG	LE	Lecture
							The course introduces students			
							to the practical application of Six			
							Sigma tools in manufacturing			
					Biomedica		and service projects. The course			
					I		also includes videotapes and			
			Six Sigma for		Engineeri		case studies of real-world			
Fall 2007	BME485	485	Engineers	BME	ng	4	industrial operations.	UG	LE	Lecture
					Biomedica					
					I		Individualized design projects			
					Engineeri		allowing students to make use of			
Fall 2007	BME491	491	BME Design I	BME	ng	3	design and analytical skills.	UG	LE	Lecture
					Biomedica					
					I .					
			Writing in BME		Engineeri		Required writing component for			
Fall 2007	BME491W	491W	491	BME	ng	0	BME 491.	UG	LB	Lab
					Biomedica					
							Individualized design projects			
	D145.406	400	2145 5 1	51.45	Engineeri		allowing students to use design		. –	
Fall 2007	BME492	492	BME Design II	RMF	ng	1	and analytical skills.	UG	LE	Lecture
					Biomedica					
			14/11/11/11/11/11							
F-11 0007	DN4E 400'44	400)44	Writing in BME	DIAE	Engineeri	^			l D	1 -1-
Fall 2007	BME492W	492W	492	BME	ng	0		UG	LB	Lab

					Biomedica				
					I	Individualized design projects			
			BME Design		Engineeri	allowing students to use design			
Fall 2007	BME493	493	Ш	BME	ng	1 and analytical skills.	UG	LE	Lecture
					Biomedica				
					I				
			Writing in BME		Engineeri				
Fall 2007	BME493W	493W	493	BME	ng	0	UG	LB	Lab
					Biomedica				
			Special		I				
			Problems in		Engineeri	Special problems in advanced			
Fall 2007	BME499	499	BME	BME	ng	1 engineering topics. Topics vary.	UG	LE	Lecture
						Introduce new engineering			
						graduate students to ethics of			
						engineering, scientific research,			
						and technical writing. Additional			
						topics include active reading,			
					Biomedica	active listening, effective			
					I	presentation, faculty-advisor			
			Egr Academic		Engineeri	relationships and the			
Fall 2007	BME601	601	Integrity	BME	ng	1 thesis/dissertation process.	GR	LE	Lecture
						Derivation and use of the basic			
						conservation laws underlying the			
						fluid mechanical behavior of the			
					Biomedica	cardiopulmonary system.			
					I	Includes applications to the flows			
			Biofluid		Engineeri	of blood, pulmonary air, and			
Fall 2007	BME619	619	Mechanics	BME	ng	3 extracorporeal fluids.	GR	LE	Lecture

			BME Heat &		Biomedica I	Introduces transport phenomena in biomedical engineering and physiological systems. Energy and mass balances together with constitutive and empirical relationships are used in quantifying such topics as body heat loss by various modes, diffusion mass transport and			
Fall 2007	BME620	620	Mass Transfer	BME	Engineeri ng	heat/mass transport in applicable 3 technological systems.	GR	LE	Lecture
1 411 2007	DIVILOZO	020	Engineering	SIVIL	Biomedica I Engineeri	Application of mathematical and engineering techniques toward describing biophysical systems. Topics include cellular transport, electrical properties of membranes, and biophysics of			Essiais
Fall 2007	BME622	622	Biophysics	BME	ng	4 muscle contraction.	GR	LE	Lecture
			BIOMECH &		Biomedica I Engineeri	Application of solid mechanics (statics/dynamics) toward the description and analysis of physiological systems. Topics include mechanics of the musculoskeletal system, human motion and collision, introductory material mechanics, human heat generation, transfer and			
Fall 2007	BME628	628	BIOENERG	BME	ng	5 measurement.	GR	LE	Lecture
					Biomedica I	Introduction to transport processes vital to the design of medical devices for artificial intervention into living systems. Topics include circulatory system dynamics, mathematical modeling of physiological			
Eall 2007	DME 620	620	Biotransp &	DME	Engineeri	systems, membrane transport	CD	l E	Locturo
Fall 2007	BME639	639	Artif Organ	BME	ng	4 and biological/artificial organ	GR	LE	Lecture

					Biomedica				
			Biotrans Art		l Engineeri				
Fall 2007	BME639L	639L	Org Lab	BME	ng	0 Required laboratory for BME 639.	GR	LB	Lab
						Application of properties of			
						materials and solid mechanics to			
						problems and design of medical implants, external prostheses,			
						and living tissues. Topics include			
						mechanical properties of biologic			
						and synthetic materials, stress-			
						strain analysis, viscoelasticity,			
					Biomedica	tissue response to implants and			
					I	vice versa, and implant materials			
					Engineeri	for interfacing with hard and soft			
Fall 2007	BME640	640	Biomaterials	BME	ng	4 tissues and blood.	GR	LE	Lecture
					Biomedica				
			Biomaterials		 Engineeri				
Fall 2007	BME640L	640L	Lab	BME	Engineeri ng	0 Required laboratory for BME 640.	CP	LB	Lab
1 411 2007	DIVILUTUL	040L	Lab	DIVIL	rig	Employment of modern	GIX	LD	Lab
						electronic devices and circuits as			
						applied to instrumentation and			
						data collection associated with			
						biomedical applications and			
					Biomedica	related fields. The course			
					1	includes a bio-electronic			
E 11 0007	D145//0		Biomedical	D1.45	Engineeri	laboratory component, which	0.0		
Fall 2007	BME660	660	Electronics	BME	ng	5 emphasizes a hands-on active	GR	LE	Lecture
			Biomedical		Biomedica				
			Electronics		Engineeri				
Fall 2007	BME660L	660L	Lab	BME	ng	0 Required laboratory for BME 660.	GR	LB	Lab

Fall 2007	BME661	661	Bioinstrument ation I	вме	Biomedica I Engineeri ng	Principles of design and analysis of electronic instrumentation for medical applications. Topics include various electrodes/transducers for physiological measurement and electrical stimulation, biological signal acquisition and processing, various medical imaging modalities/systems, and electrical safety. 3 hours lecture, 4 2 hours lab.	LE	Lecture
					Biomedica			
			Bioinstrument		Engineeri			
Fall 2007	BME661L	661L	ation I Lab	BME	ng	0 Required laboratory for BME 661. GR	LB	Lab
Fall 2007	BME662	662	Bioinstrument ation II	ВМЕ	Biomedica I Engineeri ng	Continuation of principles of design and analysis of electronic instrumentation for medical applications. Topics include various electrodes/transducers for physiological measurement and electrical stimulation, biological signal acquisition and processing, various medical imaging modalities/systems, and electrical safety. 3 hours lecture, 4 2 hours lab.	LE	Lecture
			Bioinstrument		Biomedica I Engineeri			
Fall 2007	BME662L	662L	ation II Lab	BME	ng	0 Required laboratory for BME 662. GR	LB	Lab
			Biomedical		Biomedica I Engineeri	Digital computer applications in biomedical related fields. Use of software to solve biomedical		
Fall 2007	BME663	663	Computers I	BME	ng	2 problems and display results. GR	LE	Lecture

					Biomedica		
			Biomed		I		
			Computers I		Engineeri		
Fall 2007	BME663L	663L	Lab	BME	ng	0 Required laboratory for BME 663. GR LB Lab	
						Examines principles, hardware	
						structure, and programming	
						techniques of microprocessors,	
					Biomedica	applications of microprocessor-	
					I	based systems in hospitals,	
			Microprocesso		Engineeri	rehabilitation engineering and	
Fall 2007	BME664	664	rs for BME	BME	ng	4 medical research. GR LE Lectu	ure
1					Biomedica		
					I		
			Microprocesso		Engineeri		
Fall 2007	BME664L	664L	rs BME Lab	BME	ng	0 Required laboratory for BME 664. GR LB Lab	
						Introduces generation, effects,	
						and detection of ionizing	
						radiation and its application to	
					Biomedica	medicine. Completion of this	
					I	course fulfills the educational	
			Photon		Engineeri	requirement to be a user of	
Fall 2007	BME670	670	Radiation	BME	ng	4 radioactive materials and GR LE Lectu	ure
						An overview is given over the	
						various methods used in	
						generating images in medicine.	
					Biomedica	The basic principles of the image	
					I	forming process are discussed as	
			Medical		Engineeri	well as the physical properties of	
Fall 2007	BME671	671	Imaging	BME	ng	4 the resultant image. GR LE Lectu	ure
						The course introduces students	
						to the practical application of Six	
						Sigma tools in the manufacturing	
					Biomedica	and service projects. The course	
					I	also includes video tapes and	
Ì			Six Sigma for		Engineeri	case studies of real world	
Fall 2007	BME685	685	Engineers	BME	ng	4 industrial operations. GR LE Lectu	ure

					Biomedica				
			Special		I				
			Problems in		Engineeri	Special problems in advanced			
Fall 2007	BME699	699	BME	BME	ng	1 engineering topics. Titles vary.	GR	LE	Lecture
						Advanced applications from a			
						variety of bioengineering			
					Biomedica	subfields are identified and			
					I	defined with respect to their			
			Ergonomic		Engineeri	importance in the practice of			
Fall 2007	BME710	710	Engineering	BME	ng	4 human factors engineering.	GR	LE	Lecture
					Biomedica	Covers a variety of mathematical			
					I	models that have been			
			Advanced		Engineeri	developed to describe muscle			
Fall 2007	BME711	711	Biomechanics	BME	ng	3 performance in health and	GR	LE	Lecture
						(Also listed as BMS 951.)			
						Acquaints students with the			
						analytical, numerical, and			
						experimental methods used in			
						modeling the quantitative			
					Biomedica	behavior of physiological and			
					I	artificial organ systems,			
			Cardiopulmon		Engineeri	particularly the circulation and			
Fall 2007	BME712	712	ary Modeling	BME	ng	3 the lungs.	GR	LE	Lecture
						(Also listed as BMS 952.)			
						Acquaints students with the			
						concept of biocompatibility of			
						materials, including effects on			
					Biomedica	biological systems. Also deals			
					I	with the general problem of			
			Biocomptbly of		Engineeri	selection, qualification, and			
Fall 2007	BME713	713	Materials	BME	ng	3 specification of materials.	GR	LE	Lecture

						Biomechanical behavior of	I		
						biological tissues over a range of			
						length scales. Topics: structure			
						of tissues, molecular basis of			
						properties; chemical and			
					Biomedica	electrical effects on			
					ı	biomechanics. Methods for			
			Molec Cell &		Engineeri	investigating these properties			
Fall 2007	BME715	715	Tissue Biom	BME		4 will also be discussed.	GR	LE	Lecture
Fall 2007	DIVIE / 13	713	HSSUE DIOTH	DIVIL	ng	Physiological and mathematical	GK	LE	Lecture
					Biomedica	methods needed to accomplish a			
			Quant.		I	workload analysis as requisite to			
			Workload		Engineeri	a system design or a redesign of			
Fall 2007	BME725	725		BME	Engineeri	4 an ergonomic system.	GR	LE	Lecture
raii 2007	DIVIE/23	723	Analysis	DIVIE	ng	(Also listed as BMS 956.)	GK	LE	Lecture
						Fundamentals of medical			
						ultrasonics: ultrasound			
						generation, propagation,			
						scattering, and attenuation in			
						biological tissue. A-mode, B-			
					Biomedica	mode, M-mode, and Doppler			
					I	imaging techniques. Ultrasound			
			Medical		Engineeri	tissue characterization and			
Fall 2007	BME731	731	Ultrasonics	BME			GR	LE	Lecture
1 all 2007	DIVIL / 3 I	731	Utilasuriics	DIVIL	ng	(Also listed as BMS 957.)	GK	LL	Lecture
						Principles of generating images			
						from projections. Discussion of			
						the various scanner geometries,			
						mathematical reconstruction,			
						correction procedures, and			
					Biomedica	qualitative and quantitative			
					I	evaluation of images. Focuses on			
			Computed		Engineeri	the medical application of			
Fall 2007	BME732	732	Tomography	BME		4 computed tomography.	GR	LE	Lecture
1 all 2007	DIVIE	132	Turriugraphy	DIVIE	ng	4 computed tomography.	GI	LL	Lecture

LE	Lecture
LE	Lecture
l F	Lecture
+	200140
	LE

			Instr for Radiaition		Biomedica I Engineeri	Theoretical and practical consideration of radiation detectors and associated instrumentation, with focus on measurement of Gamma Radiation in diagnostic energy range. Identification on metrics used to characterize system performance; quality assurance			
Fall 2007	BME737	737	Meas	BME	ng	4 of imaging components.	GR	LE	Lecture
			Rehab Egr		Biomedica I Engineeri	Presented as a three-quarter sequence to provide knowledge and experience in the rehabilitation engineering design process, research and development process, and funding issues. Limited to students enrolled in the graduate rehabilitation engineering			
Fall 2007	BME740	740	Design I	BME	ng	1 training program.	GR	LE	Lecture
			Neuromuscula		Biomedica I Engineeri	(Also listed as BMS 961.) Teaches the design and application of neuromuscular assistive devices. Emphasizes			
Fall 2007	BME741	741	r Engineering	BME	ng	4 biomathematics modeling and	GR	LE	Lecture
			Rehab Assistive		Biomedica I Engineeri	(Also listed as BMS 962.) Design and application of devices used in rehabilitation. Provides an understanding of the problems of disabled people and the variety of possible solutions to these			
Fall 2007	BME742	742	Systems	BME	ng	3 problems.	GR	LE	Lecture

		1		T	1			I	
						Introduces the complex structure			
						of the rehabilitation engineering			
						service delivery systems			
					Biomedica	practiced in the United States.			
					I	Covers basic disability areas,			
			Intro Rehab		Engineeri	current laws, resources, and			
Fall 2007	BME743	743	Egr	BME	ng	3 rehabilitation technology.	GR	LE	Lecture
						The course introduces students			
						to the practical application of			
						Lean manufacturing and Kaizen			
						techniques in the manufacturing			
					Biomedica	environment. It also includes			
					1	case studies and team projects			
			Kaizen/Lean		Engineeri	of real world problems and			
Fall 2007	BME744	744	Manufact Egr	BME	ng	·	GR	LE	Lecture
						Introduces rehabilitation			
						engineering design principles.			
						Includes practical design			
						experiences in worksite			
					Biomedica	modification, ergonomics, and			
					I	accessibility evaluations.			
			Rehab Egr		Engineeri	Provides experience in technical			
Fall 2007	BME745	745	Service Deliver	BME	ng		GR	LE	Lecture
					J	Introduces object oriented			
						programming structured around			
						the HyperCard, HyperText			
						Macintosh, and ToolBook PC			
						environments. Covers basic			
						principles of programming using			
						objects, cards, windows,			
						projects, and graphics with			
					Biomedica	application to rehabilitation			
						engineering. Introduces PC			
			Rehab Egr		Engineeri	hardware in detail. Concurrent			
Fall 2007	BME746	746	Computers I	BME	ng		GR	LE	Lecture

					Biomedica				
					l 				
			Rehab Egr		Engineeri				
Fall 2007	BME746L	746L	Comptr I Lab	BME	ng	0 Required laboratory for BME 746.	GR	LB	Lab
					Biomedica	Continuation of BME 745 and			
					I	BME 746. Focuses on			
			Rehab Egr		Engineeri	development of computer			
Fall 2007	BME747	747	Design II	BME	ng	3 application programs and devices	GR	LE	Lecture
						Introduces clinical practices and			
						services provided to disabled			
						patients in a rehabilitation center			
					Biomedica	involving various services,			
					I	testing, and evaluation. Focus is			
			Intro to		Engineeri	on spinal cord injury and			
Fall 2007	BME748	748	Clinical Prac	BME	ng	4 traumatic brain injury.	GR	LE	Lecture
						Covers quantitative assessment			
						of human motions.			
						Mathematical descriptions			
						include anthropometry,			
						kinematics, kinetics and			
					Biomedica	energetics. The methods of			
					I	kinesiology, biomechanical			
			Ergonomics		Engineeri	modeling and electromyography			
Fall 2007	BME749	749	Biodynamics	BME	ng	4 are emphasized.	GR	LE	Lecture
						Engineering analysis and design			
						are applied on rehabilitation			
						tasks within a clinical setting.			
					Biomedica	Provides training in rehabilitation			
					1	engineering management of			
			Rehabilitation		Engineeri	various disabilities. Enrollment in			
Fall 2007	BME750	750	Engr	BME	ng	1 multiple sections is required.	GR	LE	Lecture

					Modeling, design and analysis of	of		
					5 5			
					•	al		
				Riomedica		3		
		Human		I	5	าร		
				Fnaineeri				
BMF751	751		BME	•			l E	Lecture
DIVILITAT	731	Engineering	DIVIL	i i g		OIX	LL	LCCturc
				Riomodica				
				I	5			
		NMP Spectro		Enginoori				
BME762	763	-	BME	•			l E	Lecture
DIVIL / 03	703	& imaging	DIVIL		4 diso presented.	GK	LL	Lecture
				I				
		Continuing		Enginoori				Independe
BME790	790	•	BME	_	1	CD	ıs	nt Study
DIVIL 707	707	Registration	DIVIL		!	OK	13	Tit Study
				I				
		Salact Tonics		Fngineeri		,		
BME880	880	•	BME	•			l F	Lecture
DIVILOGO	000	Sys Lgi	DIVIL		and engineering.	OIX	LL	LCCture
		Special		I	Special problems in advanced			
		•		Fngineeri	i i i i i i i i i i i i i i i i i i i			
BME890	890		BME	•	• • •	GR	l F	Lecture
DIVILO70	070	DIVIE	DIVIL		i ropics vary.	OIX	LL	LCCture
		PhD		I	Research on the Ph D			
				Fnaineeri				Independe
BMF898	898		BMF	_	•	GR	ıs	nt Study
DIVILO70	070	Research	DIVIL		passi disatisfactory.	Oit	13	Tit Study
				I				
				Fngineeri				Independe
BME899	899	Thesis	BME	ng	1 Pass/unsatisfactory.	GR	IS	nt Study
	BME763 BME789 BME890 BME898	BME763 763 BME789 789 BME880 880 BME890 890 BME898 898	BME763 763 NMR Spectro & Imaging Continuing Registration Select Topics Sys Egr Special Problems in BME890 890 BME PhD Dissertation BME898 898 Research	BME751 751 Control Engineering BME NMR Spectro & Imaging BME Continuing Registration BME Select Topics Sys Egr BME Special Problems in BME BME890 890 BME BME898 898 Research BME	Control Engineering BME Engineeri ng Biomedica I Engineeri BME763 763 & Imaging BME Biomedica I Engineeri BME789 789 Registration BME Biomedica I Engineeri BME880 880 Sys Egr BME ng BME880 890 BME BME ng Biomedica I Engineeri ng	the physiological and cognitive performance of the human operator. Human-environments interactions are characterized a biothermal control systems. Human Control Engineeri are characterized as informative as interaction are characterized as informative as interactions of NMR Spectroscopy to the study of tissue metabolism in Vivo. The fundamental theory of magnetic resonance imaging, with a survey of clinical applications, is a list of the fundamental theory of magnetic resonance imaging, with a survey of clinical applications, is also presented. BME763 763 & Imaging BME ng 1 Continuing Engineeri Selected topics in current research and recent developments in systems theory and engineering. Biomedica I Selected topics in current research and recent developments in systems theory and engineering. BME880 880 Sys Egr BME ng 1 and engineering topics. BME890 890 BME BME ng 1 Topics vary. Biomedica Dissertation Engineeri Biomedical engineering topics. Biomedica Dissertation Engineeri Biomedical Engineering In Problems in Research on the Ph.D. dissertation topic. Graded In pass/unsatisfactory.	BME751 751 Engineering BME ng lorespance of the human operator. Human-environmental interactions are characterized as biothermal control systems. Human-technological interactions are characterized as biothermal control systems. Human-technological interactions are characterized as informative denoted and interactions are characterized as biothermal control systems. Human-technological interactions are characterized as informative denotrol are characterized as informative denotrol systems. Plane denotrol systems are characterized as informative denotrol syste	the physiological and cognitive performance of the human operator. Human-environmental interactions are characterized as biothermal control systems. BME751 751 Engineering BME ng 4 control systems. GR LE Discusses the applications of NMR Spectroscopy to the study of tissue metabolism in Vivo. The fundamental theory of magnetic resonance imaging, with a survey of clinical applications, is a line of the survey of clinical applications, is a survey

							(Also listed as MTH 655.) Vector			
							spaces and subspaces, basis and			
							dimension, linear			
							transformations and matrices,			
			Advanced		Biomedica		eigenvalues, eigenvectors, and			
Fall 2007	BMS655	655	Linear Algebra	BMS	I Sciences	3	inner product spaces.	GR	LE	Lecture
	Divideos		Zirioai 7 ligozia	Divio	1 001011000		Bootstrapping is a computing -	O. C		2001410
							intensive method of data			
							analysis by computing			
							distributions. The method,			
							including permutation tests can			
							be easily adapted to many			
			Computational		Biomedica		classical problems. Software			
Fall 2007	BMS664	664	Statistics	BMS	I Sciences	4	used for the course includes	GR	LE	Lecture
1 411 2007	DIVIOUU I	001	Otatistics	DIVIO	1 001011003	•	Practical, applied coverage of	OI C	LL	Locidio
							basic statistical principles and			
							terminology, ANOVA, multiple			
							and logistic regression, sample			
							size issues and experimental			
							design. Biomedical data			
			Advanced Stat		Biomedica		examples, review of computer			
Fall 2007	BMS674	674	Methods	BMS	I Sciences	1	output and class exercises are	GR	LE	Lecture
	2607.			20		<u> </u>	Introduces programs such as	0.1		2000.0
							SYMVU, CSMP, and ORTEP,			
							which create plotted output.			
							FORTRAN is also introduced.			
							Problems and data used are from			
							the life sciences. Graded			
							pass/unsatisfactory. Enrollment			
			BMS Computer		Biomedica		in Biomedical Sciences Ph.D.			
Fall 2007	BMS698	698	Science	BMS	I Sciences	4	program required.	GR	LE	Lecture
			BMS Computer		Biomedica					
Fall 2007	BMS698L	698L	Science Lab	BMS	I Sciences	0	Required laboratory for BMS 698.	GR	LB	Lab

			Research		Biomedica	(Also listed as BMB 703.) Research ethics emphasizes the evaluation of hypothetical ethical scenarios. Class discussion is based on integrating ethical policy and practices as they relate to research at Wright			
Fall 2007	BMS703	703	Ethics	BMS	I Sciences	1 State. Graded	GR	LE	Lecture
Tuli 2007	BW3703	703	Linear	Divis	Biomedica	(Also listed as EE 701 and EGR 701.) Signal representation, orthonormal bases, and generalized Fourier series. Description of linear, discrete, and continuous systems. Systems analysis via classical equations, convolution, and	GIV		Lecture
Fall 2007	BMS705	705	Systems I	BMS	I Sciences	4 transform methods.	GR	LE	Lecture
			Linear		Biomedica	(Also listed as EE 702.) State variable representations of continuous and discrete systems. Linear vector spaces and similarity transformations; eigenanalysis, time and transform domain solutions of linear state equations; controllability, observability, and stability of			
Fall 2007	BMS706	706	Systems II	BMS	I Sciences	3 linear systems.	GR	LE	Lecture
						(Also listed as EE 710) Data Acquisition and Quantization, Unitary Transforms, Circular Convolution, Hilber Transform, FIR/IIR Filter Design and Realization, Analysis of Finite=Precision Numerical			
Fall 2007	DMCZOC	700	Digital Signal	DMC	Biomedica	Effects, Spectral Estimation	CD	1.5	Looter
Fall 2007	BMS708	708	Processing	BMS	I Sciences	4 Cepstrum Analysis.	GR	LE	Lecture

						1	(Also listed as EE 613.) Provides			
							students with a general control			
							packground. Major topics include			
							olock diagrams and signal-flow			
							graphs, electromechanical			
							modeling including state variable			
			0 1 1		Diama dia a		representation, time response,			
E 11 0007	DI 40740	740	Control	D1.40	Biomedica		root locus, and introduction to	0.0	. –	
Fall 2007	BMS710	710	Systems I	BMS	I Sciences		design.	GR	LE	Lecture
							(Also listed as EE 614.)			
			Control				Applications and testing of			
			Systems I		Biomedica		control systems theory with			
Fall 2007	BMS711	711	Laboratory	BMS	I Sciences		electromechanical systems.	GR	LB	Lab
							(Also listed as EE 615.) Using			
							Control Systems I background,			
							course concentrates on controller			
						C	design, in both the time and			
							frequency domains, using			
			Control		Biomedica	1	NYquist, Bode, and root locus			
Fall 2007	BMS712	712	Systems II	BMS	I Sciences		techniques.	GR	LE	Lecture
						((Also listed as EE 616.)			
			Control			1	Application and testing of control			
			Systems II		Biomedica	9	systems theory with			
Fall 2007	BMS713	713	Lab	BMS	I Sciences	1 6	electromechanical systems.	GR	LB	Lab
						((Also listed as CHM 661.) Step-			
						ç	growth and chain-growth			
						ķ	polymerization in homogeneous			
			Synthetic			8	and heterogeneous media;			
			Polymer		Biomedica		oroperties of commercial			
all 2007	BMS726	726	Chemistry	BMS	I Sciences		oolymers.	GR	LE	Lecture
						. ((Also listed as CHM 720.) Study			
			Advanced				of the modern theories of			
			Inorganic		Biomedica	\	valence, structural inorganic			
Fall 2007	BMS733	733	Chemistry I	BMS	I Sciences		chemistry and the chemistry of	GR	LE	Lecture

						(<i>F</i>	Also listed as CHM 721.)			
						ŤI	norough examination of			
							nemistry of the metals stressing			
							ansition elements, ligand field			
			Adv Inorganic		Biomedica		eory and mechanisms of			
Fall 2007	BMS734	734	Chemistry II	BMS	I Sciences		organic reactions.	GR	LE	Lecture
							Also listed as CHM 751.)			
							naracterization of simple kinetic			
							stems, experimental methods,			
						_	nergy distributions in			
			Chemical		Biomedica		olecules, the transition state			
Fall 2007	BMS736	736	Kinetics	BMS	I Sciences		ethod, and chain reactions in	GR	LE	Lecture
							undamentals of chemical			
			Chemical			th	ermodynamics; first, second,			
			Thermodynam		Biomedica		nd third laws; and application			
Fall 2007	BMS737	737	ics	BMS	I Sciences		solutions.	GR	LE	Lecture
						(/	Also listed as CHM 855.)			
						Se	elected topics in the field of			
							nysical chemistry such as			
							olecular spectroscopy,			
							dvanced molecular structure,			
						m	agnetic resonance, X-rays,			
			Sel Topics				ystal structure, statistical			
			Physical		Biomedica		echanics, or precise physical-			
Fall 2007	BMS738	738	Chemistry	BMS	I Sciences		nemical measurements.	GR	LE	Lecture
						Aı	n introduction to control			
						S	stems using state variables			
						ar	nd classical analysis. Closed			
			Adv			lo	op system representation,			
			Bioanalytical		Biomedica	bl	ock diagrams, time response,			
Fall 2007	BMS740	740	Chemistry	BMS	I Sciences	3 ar	nd frequency response are	GR	LE	Lecture
						(A	Also listed as CHM 744) Study			
						of	molecular orbital theory,			
			Structural			re	eactive species, theories of			
			Cncpts		Biomedica	ac	cids and bases, and an			
Fall 2007	BMS741	741	Organic Chm	BMS	I Sciences	3 in	troduction to stereochemistry.	GR	LE	Lecture

			Instrumentatio		Biomedica	(Also listed as CHM 730) Introduction to the theory and practices of modern chemical instrumentation; elementary electronics, spectrophotometry, atomic absorption, electrochemical techniques, chromatography, and other			
Fall 2007	BMS742	742	n	BMS	I Sciences	3 instrumental techniques. (Also listed as BMB 750.) Survey	GR	LE	Lecture
			Biochem & Molecular		Biomedica	course emphasizing an experimental and problem-solving approach to buffers, protein structure, enzymes, and carbohydrate and lipid			
Fall 2007	BMS750	750	Biology I	BMS	I Sciences	4 metabolism. (Also listed as BMB 752.) Survey	GR	LE	Lecture
Fall 2007	DMCZEO	752	Biochem & Molecular	DMC	Biomedica	course emphasizing an experimental and problem-solving approach to amino acid metabolism, nucleic acid	CD		Lookins
Fall 2007	BMS752	752	Molecular Signalling/Cell	BMS	I Sciences Biomedica	3 function, and hormones. (Also listed as BMB 753.) A molecular analysis of information transfer into and within cells. Topics include visual transduction, hormones, hormone receptors, second messengers, regulation of transcription, and oncogenes.	GR	LE	Lecture
Fall 2007	BMS753	753	Bio	BMS	I Sciences	4 Readings from current scientific	GR	LE	Lecture
						(Also listed as BMB 755) A profile of the general properties of transformed cells and an indepth examination of the			
			Cancer:Molecu		Biomedica	mechanisms of oncogenesis at			
Fall 2007	BMS755	755	lar Aspects	BMS	I Sciences	3 the level of molecular genetics.	GR	LE	Lecture

						(Also listed as BMB 760.) A	
						literature-based course covering	
			Molecular			molecular events in the nucleus	
			Biology of		Biomedica	including DNA replication, repair,	
Fall 2007	BMS760	760	Nucleus	BMS	I Sciences		Lecture
						(Also listed as BMB 762/PHY	
						760.) Covers the fundamental	
						theory of nuclear magnetic	
			Fund Prin			resonance spectroscopy with	
			Fourier		Biomedica	emphasis on pulse Fourier	
Fall 2007	BMS762	762	Trnsfrm NMR	BMS	I Sciences	3 transform methods. GR LE	Lecture
						(Also listed as BMB 763.)	
						Discusses the applications of	
						NMR spectroscopy to the study	
						of tissue metabolism in vivo. The	
						fundamental theory of magnetic	
			Vivo NMR			resonance imaging, with a	
			Spectro &		Biomedica	survey of clinical applications,	
Fall 2007	BMS763	763	Imaging	BMS	I Sciences	3 are also presented. GR LE	Lecture
						(Also listed as BMB 764.)	
						Describes the NMR methods	
						used for the determination of	
						biomolecular structure and	
			NMR Tech			dynamics. Emphasis on two-	
			BiomlcIr Str &		Biomedica	dimensional Fourier transform	
Fall 2007	BMS764	764	Dyn	BMS	I Sciences	· ·	Lecture
						(Also listed as BMB 765) This is a	
						survey course of modern	
						computational tools and	
						strategies used in sequence, 3-D	
						structure and functional analysis	
						of biomolecules. Students will	
			Comp			gain hands on "laboratory"	
			Tools/Strategi		Biomedica	experience with key software	
Fall 2007	BMS765	765	es in BMS	BMS	I Sciences	4 and strategies. GR LE	Lecture

							(Also listed as BMB 727.)			
							Mechanism of enzyme catalysis,			
							including such topics as			
							structure, kinetics, energetics,			
							allosterism, co-enzymes, and			
					Biomedica		control of enzymes and			
Fall 2007	BMS767	767	Enzymes	BMS	I Sciences	4	multienzyme systems.	GR	LE	Lecture
							(Also listed as BMB 729)			
							Synthesis, secretion,			
							degradation, structure assay,			
							mechanism of action, and			
							function of peptide hormones are			
							presented. Emphasis is on insulin			
			Biochem of				and other hormones (e.g.			
			Peptide		Biomedica		glucagon, somatotropin,			
Fall 2007	BMS768	768	Hormones	BMS	I Sciences	3	somatostatin) involved in	GR	LE	Lecture
							(Also listed as BMB 731.)			
							Examines the biochemistry of			
							membranes and provides basic			
			Biochemistry		Biomedica		information on membrane			
Fall 2007	BMS769	769	of Membranes	BMS	I Sciences	4	composition and processes.	GR	LE	Lecture
							(Also listed as BMB 740.)			
							Structure-function analysis of			
							biological macromolecules			
							(particularly proteins and			
			Physical		Biomedica		polynucleotides) based on			
Fall 2007	BMS770	770	Biochemistry	BMS	I Sciences	4	chemical and physical properties.	GR	LE	Lecture
							(Also Bio 743) Principles of a, b,			
							and g radiation and methodology			
			Safe Use of		Biomedica		of counting with application to			
Fall 2007	BMS771	771	Radionuclides	BMS	I Sciences	2	physical and biological problems.	GR	LE	Lecture

						(Also listed as M&I 675.)
						Expands knowledge of basic
						microbiology by focusing on
						human-microbial pathogen
						interactions. The molecular basis
						of the pathogenic mechanisms
						will be emphasized. In addition,
						the student will gain a better
						appreciation and understanding
			Pathogenic		Biomedica	of the complexities of
Fall 2007	BMS775	775	Mechanisms	BMS	I Sciences	5 interactions between microbes GR LE Lecture
						Structure of energy-transducing
						membranes of mitochondria,
						chloroplasts, and bacteria.
						Emphasis on mechanisms of
						energy transduction,
						thermodynamics of oxidation-
						reduction reactions, biophysical
						spectroscopic methods, and
					Biomedica	structure and surface topography
Fall 2007	BMS776	776	Bioenergetics	BMS	I Sciences	1 of membrane proteins. GR LE Lecture
			J			(Also listed as M&I 777.) Study
						of the molecular basis of gene
						therapy and the use of viral gene
						delivery systems for the
						treatment of human disease.
						Gene therapy strategies are
					Biomedica	contrasted with various diseases,
Fall 2007	BMS777	777	Gene Therapy	RMS	I Sciences	4 including cancer and AIDS. GR LE Lecture
1 411 2007	DIVISTIT	777	Gene merapy	DIVIO	1 301011003	(Also listed as BIO 730.)
						Provides a survey of basic
					Biomedica	concepts that are most important
Fall 2007	BMS778	778	Cell Biology	BMS	I Sciences	
1 411 2007	DIVISTIO	110	Cell biology	SIVIO	1 Sciences	4 for understanding how cells GR LE Lecture (Also listed as BIO 734.) Study of
						the replication, organization, and
			Mologulan		Diame -!!	function of nucleic acids with
F-II 0007	DMCZZC	770	Molecular	DMC	Biomedica	emphasis on the role of nucleic
Fall 2007	BMS779	779	Genetics	BMS	I Sciences	3 acids in protein synthesis. GR LE Lecture

							(Also listed as BIO 626.) Nature			
							of human genetic traits, methods			
							of analysis of inheritance,			
			Human		Biomedica		principles of counseling, and			
Fall 2007	BMS780	780	Genetics	BMS	I Sciences	4	therapy.	GR	LE	Lecture
							Review of current literature in			
			Advanced				molecular or human genetics			
			Seminar in		Biomedica		subjects. Presentation of reviews			
Fall 2007	BMS785	785	Genetics	BMS	I Sciences	2	to other students.	GR	LE	Lecture
							(Also listed as BIO 737 and M&I			
							737.) Microbial and molecular			
							techniques for producing,			
							cloning, and characterizing			
							recombinant DNA molecules;			
							laboratory exercises in gene			
							manipulation to give an			
			Recombinant		Biomedica		understanding of principles of			
Fall 2007	BMS790	790	DNA Methods	BMS	I Sciences	6	genetic engineering. Graded	GR	LE	Lecture
							(Also listed as BIO 676.) Study of			
							the medical aspects of			
							parasitology such as pathology,			
							symptomatology, diagnosis, and			
							identification of parasites. Course			
							content is divided into three			
							major categories: human			
			Human		Biomedica		protozoology, helminthology,			
Fall 2007	BMS799	799	Parasitology	BMS	I Sciences	2	and arthropodology.	GR	LE	Lecture
							(Also listed as M&I 726.)			
							Fundamentals of immunobiology			
							and basic virology. Emphasis on			
							regulatory and cellular levels of			
							host immune responses against			
							microbial pathogens as well as			
							mechanisms of			
			Immunology &		Biomedica		immunopathology.			
Fall 2007	BMS802	802	Basic Virology	BMS	I Sciences	5	Characteristics and molecular	GR	LE	Lecture

						(Also listed as M&I 727.) Study	
						of microorganisms that are	
						pathogenic for humans and	
						animals using the organ system	
						approach. Emphasis on	
						mechanisms of pathogenesis and	
						host resistance. Includes a	
						project segment devoted to the	
						independent study of the	
						mechanisms of pathogenesis in	
1			Pathogenic		Biomedica	the host-parasite interactions of	
Fall 2007	BMS803	803	Microbiology	BMS	I Sciences	5 the infectious agents used. GR LE Lectu	ıre
						(Also listed as M&I 770, PHA	
1						740, P&B 776.) Introduces	
						concepts of intercellular	
						communication through an	
						interdisciplinary presentation of	
						immune and neuroendocrine	
						system functions. Emphasizes	
			Intercellular			the similarities between the	
			Communicatio		Biomedica	systems and the multidisciplinary	
Fall 2007	BMS805	805	n	BMS	I Sciences	4 approaches used to study each. GR LE Lectu	ıre
						(Also listed as M&I 731.)	
						Introduction to the field of	
						virology with emphasis on animal	
						viruses. Studies the intrinsic	
						properties of viruses and their	
						interaction with cells;	
					Biomedica	multiplication, disease	
Fall 2007	BMS807	807	Basic Virology	BMS	I Sciences	3 production, genetics, and tumor GR LE Lectu	ıre
						(Also listed as M&I 833.)	
						Provides an understanding of the	
Ì			Viral Oncology		Biomedica	process involved in cell	
Fall 2007	BMS809	809	Seminar	BMS	I Sciences	3 transformation by oncogenic GR LE Lectu	ıre

							(Also listed as MOI 74E) Ctudy			
							(Also listed as M&I 745.) Study			
							of the biology of the immune			
							system, interms of curent			
							concepts of antibody formation			
							and function. Acuired delayed			
							and immediate hypersensitivity			
							are studied with respect to			
							immunological deficiencies,			
							malignany, tolerance, graft			
			Immunobiolog		Biomedica		rejection, infection and aquired			
Fall 2007	BMS812	812	у	BMS	I Sciences	5	resistance.	GR	LE	Lecture
							(Also listed as M&I 840.)			
							Students select, present, and			
			Special Topics				analyze information from the			
			in		Biomedica		current literature in			
Fall 2007	BMS813	813	Immunology	BMS	I Sciences	2	immunobiology.	GR	LE	Lecture
							The basic principles and			
							practices of biosafety are			
							examined. This course teaches			
							the identification, handling and			
							containment of potentially			
							hazardous biological materials,			
			Biological		Biomedica		including microorganisms and			
Fall 2007	BMS817	817	Safety	BMS	I Sciences	2	recombinant DNA.	GR	LE	Lecture
							Focuses on both beneficial and			
							adverse lost responses to			
							microbial and metazoan			
			Infection and		Biomedica		parasites. Effects of infection on			
Fall 2007	BMS818	818	Immunity	BMS	I Sciences	3	immune function are stressed.	GR	LE	Lecture
							(Also listed as BIO 740.)			
							Introduction to theoretical and			
							practical aspects of transmission			
			Electron				electron microscopy. Emphasis			
			Microscopy		Biomedica		on interpretation and evaluation			
Fall 2007	BMS834	834	Life Sci	BMS	I Sciences	6	of electron micrographs.	GR	LE	Lecture

							(Also listed as BIO 720.) A			
							comprehensive course			
							addressing both the known and			
			Mammalian		Biomedica		theoretical aspects of cellular			
Fall 2007	BMS835	835	Cell Biology	BMS	I Sciences	4	organization and function.	GR	LE	Lecture
1 411 2007	Billocoo	000	Jon Biology	Bivio	7 001011000		(Also listed as ANT 711.)	O.C.		Lecture/La
							Lectures and dissection of			b
			Human Gross		Biomedica		human cadaver. Includes			Combinatio
Fall 2007	BMS837	837	Anatomy	BMS	I Sciences	9	introductory embryology.	GR	LL	n
1 411 2007	DIVIGOUT	007	rinatomy	DIVIO	1 001011003		(Also listed as ANT 721.)	OI C	LL.	
			Human		Biomedica		Detailed macroanatomy of			
Fall 2007	BMS838	838		BMS	I Sciences	8	human cells, tissues, and organ	GR	LE	Lecture
1 411 2007	DIVISOSO	000	whereariaterry	DIVIO	1 301011003		(Also listed as BIO 603.)	OIX		Loctoro
							Describes underlying processes			
							that initiate the development of			
			Developmental		Biomedica		tissue and whole organisms in			
Fall 2007	BMS839	839	Biology	BMS	I Sciences	5	plants and animals.	GR	LE	Lecture
1 411 2007	DIVISOS	007	Diology	DIVIO	1 301011003		Reproductive cycles and	OIX		Loctoro
							gametogenesis; intercourse and			
			Repro				conception; events of pregnancy			
			Anatomy/Physi		Biomedica		and parturition; contraception,			
Fall 2007	BMS840	840	ology	BMS	I Sciences	3	sterility, and dysfunction.	GR	LE	Lecture
1 411 2007	DIVIGO 10	0.10	ciogy	Divio	1 001011000		(Also listed as P&B 722.)	O.C.		Lootuio
							Explores the role of ion channels			
							in a variety of cell types with an			
							emphasis on both			
							electrophysiological and			
					Biomedica		biochemical methods for			
Fall 2007	BMS853	853	Ion Channels	BMS	I Sciences	4	evaluation of channel function.	GR	LE	Lecture
							(Also listed as P&B 650.)			
							Concepts of glial cell physiology			
							based on the analysis of current			
							primary literature. Topics include			
							interaction between glia and			
			Glial Cell		Biomedica		other cell types and the role of			
Fall 2007	BMS856	856	Physiology	BMS	I Sciences	3	glia in pathophysiology.	GR	LE	Lecture

							(Also listed as P&B 771.) Survey			
							of endocrinological mechanisms			
			General		Biomedica		and their role in integration of			
Fall 2007	BMS860	860	Endodrinology	BMS	I Sciences	3	body function.	GR	LE	Lecture
							(Also listed as P&B 610.) An			
							overview of human/mammalian			
							organ system physiology.			
							Fundamental mechanisms and			
			Human		Biomedica		the experimental basis for			
Fall 2007	BMS862	862	Physiology	BMS	I Sciences	5	current understanding are	GR	LE	Lecture
							This course is appropriate for			
							students who will be involved in			
							biomedical research. This			
							provides lecture and student			
			Prin				interactive series designed to			
			Biomedical		Biomedica		introduce students to the basics			
Fall 2007	BMS863	863	Research	BMS	I Sciences	1	of biomedical research.	GR	LE	Lecture
							(Also listed as P&B 642.)			
							Physiological mechanisms that			
							subserve the functions of the			
							nervous system. Topics include			
							the biophysics of neuronal			
							information, intercellular			
			Introduction				communications, motor control,			
			Neurophysiolo		Biomedica		sensory systems, and			
Fall 2007	BMS865	865	gy	BMS	I Sciences	4	development neurobiology.	GR	LE	Lecture
							(Also listed as P&B 669.)			
							Employs a quantitative approach			
							to the properties of solutes,			
							water, bio-electrical phenomena,			
							transport systems that move			
							solutes across biological			
							membranes, and the interactions			
			Quant Aspects				of these solutes with			
			Membrane		Biomedica		membranes. May be taken for			
Fall 2007	BMS869	869	Trans	BMS	I Sciences	3	letter grade or	GR	LE	Lecture

		$\overline{}$				/Al 1'-t DIIA 070 1 D0 D			
						(Also listed as PHA 870 and P&B			
						870.) Study of physiological			
						steady state and			
						pharmacological properties of			
						vascular cells-circulating			
						erythrocytes, endothelial cells,			
			Physio &			and smooth muscle cells in			
			Pharm		Biomedica	particular-as a basis of			
Fall 2007	BMS870	870	Vascular Cells	BMS	I Sciences	3 pathologic aberrations and	GR	LE	Lecture
						(Also listed as P&B 772/M&I			
						772.) Signalling and molecular			
						mechanisms of apoptotic cell			
			Mechanisms of		Biomedica	death and relationship to human			
Fall 2007	BMS872	872	Cell Death	BMS	I Sciences	3 diseases.	GR	LE	Lecture
						This course introduces the			
						student to the physiological and			
						anatomical basis of physical			
						disabilities, including disorders or			
			Physiology of		Biomedica	cognition, impaired mobility and			
Fall 2007	BMS874	874	Disability	BMS	I Sciences	4 sensory deprivation.	GR	LE	Lecture
						(Also listed as PTX 710)			
						Introduction of the basic			
						principles that govern the bio			
						availability/activity of drugs and			
			Principles of		Biomedica	toxants in an organism with			
Fall 2007	BMS876	876	Biokinetics	BMS	I Sciences	4 focus on humans.	GR	LE	Lecture
	T	T				(Also listed as PTX 879) In-depth			
						treatment of the theoretical			
						principles and practical			
						approaches to experimental			
						investigation of drug action at			
						the membrane receptor level			
			Molecular		Biomedica	using text and articles from			
Fall 2007	BMS879	879	Pharmacology	BMS	I Sciences	4 primary literature.	GR	LE	Lecture

			General Pharmacology		Biomedica	(Also listed as PHA 880.) Extends the principles and theoretical considerations learned in BMS 879 and applies them to the action of drugs on the cardiovascular, respiratory, endocrine, gastrointestinal, and genito-urinary systems. Emphasis on antibiotics, chemotherapy of infectious diseases, antineoplasia, and immuno-suppressants. An introduction to toxicology is provided. 879 and applies them to the action of drugs on the cardiovascular, respiratory, endocrine, gastrointestinal, and genito-urinary systems. Emphasis on antibiotics, chemotherapy of infectious diseases, antineoplasia, and			
Fall 2007	BMS880	880	П	BMS	I Sciences	4 immuno-suppressants. An	GR	LE	Lecture
	DMCCCA		Research	DAG	Biomedica	(Also listed as PTX 700) Practical laboratory experience in commonly used biological techniques including DNA purification and manipulation, protein expression and analysis, and the classical pharmacological technique of measuring receptor binding. Designed to give hands on experience along with a short weekly lecture providing background on the theory behind			
Fall 2007	BMS881	881	Techniques	BMS	I Sciences	3 the topic.	GR	LE	Lecture

			Toxicol Appl		Biomedica	(Also listed as PTX 770.) Indepth understanding of chemical and biological warfare threat agents and medical intervention. Requirements for government and contract research students for study design, development and execution.			
Fall 2007	BMS884	884	Chm Defense	BMS	I Sciences	3	GR	LE	Lecture
						Introduces basic principles of abnormal biological processes in the human and subhuman vertebrate organisms. Deals with tissue injury and degeneration, abnormal growth, infection and host defense, selected metabolic and congenital disorders, and forensic problems. Complies with the Toxicology Society's			
F - II 0007	DMCOO	007	General	DMC	Biomedica	recommended requirements for	CD		Lastona
Fall 2007	BMS886	886	Pathology Molecular	BMS	I Sciences Biomedica	7 the professional toxicologist. (Also listed as PTX 751) Modern toxicology focuses on understanding the mechanism of action of chemicals of the molecular level. Exploration of a spectrum of molecular mechanisms of toxicity providing a broad perspective of the	GR	LE	Lecture
Fall 2007	BMS887	887	Toxicology	BMS	I Sciences	4 cutting edge toxicology research.	GR	LE	Lecture

						1	/AL III DIIA 750 \		1	
							(Also listed as PHA 752.)			
							Introduction to general			
							toxicology. Particular toxic			
							agents are studied, including			
							teratogens, mutagens,			
							oncogens, heavy metals, and			
							other environmental			
							contaminants and toxins.			
							Clinical, forensic, industrial, and			
			General		Biomedica		agricultural toxicology are			
Fall 2007	BMS888	888	Toxicology II	BMS	I Sciences	4	addressed along with regulations	GR	LE	Lecture
							The pathobiology of toxic			
							chemicals and materials is			
							presented with emphasis placed			
							on anatomic and physiologic			
							changes produced in common			
							laboratory animal species.			
							Research methods enhancing the			
							pathologic evaluation of			
			Toxicologic		Biomedica		biomedical specemens will be			
Fall 2007	BMS889	889	Pathology	BMS	I Sciences		stressed.	GR	LE	Lecture
						-	(Also listed as PTX 750)			
							Introduction of the basic			
							principles that govern the			
							dynamics of drugs and toxants in			
			Principles of		Biomedica		an organism with focus on			
Fall 2007	BMS890	890	Biodynamics	BMS	I Sciences		•	GR	LE	Lecture
1 411 2007	DIVIGO70	070	Diodynamics	DIVIO	1 Ocionicos		(Also listed as PHA 898.) In-	OI C		Locture
							depth treatment of the anatomy,			
							biochemistry, physiology, and			
							function of neurotransmitter			
			Neuropharmac		Biomedica		systems and the effects of drugs			
Fall 2007	BMS898	898	ology	BMS	I Sciences		on the nervous system.	GR	LE	Lecture
1 411 2007	סיי סייטום	070	ology	כואוט	1 Julie Iues	J	on the hervous system.	OI (LL	Lecture
			Continuing		Biomedica					
Fall 2007	BMS899	899	Education	BMS	I Sciences	1		GR	LE	Lecture
1 all 2007	DIVISO77	077	Luucation	כוזום	i Juletines	1		UIV	LL	Lecture

						(Also listed as P&B 720)			
						Representation, processing and			
						transmission of neuronal			
						information; note of neuronal			
			Neurophysiolo		Biomedica	circuits in motor control and			
Fall 2007	BMS902	902	gy	BMS	I Sciences	3 sensory systems.	GR	LE	Lecture
2007	20702	7.02	33	20		(Also listed as ANT 731.)			200100
						Detailed survey of the anatomy			
						and physiology of the major fiber			
			Human		Biomedica	tracts and cell groups of the			
Fall 2007	BMS903	903	Neurobiology	BMS	I Sciences	7 human central nervous system.	GR	LE	Lecture
			3, 2, 2, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,			(Also listed as PSY 665.)			
						Experimental findings in animal			
						and human memory with			
			Information		Biomedica	emphasis on their implications			
Fall 2007	BMS905	905	Processing	BMS	I Sciences	4 for current theories of memory.	GR	LE	Lecture
			Adv			(Also listed as PSY 619.) Detailed			
			Topics:Physiol		Biomedica	examination of selected areas in			
Fall 2007	BMS910	910	ogical Psy	BMS	I Sciences	4 cognition and learning.	GR	LE	Lecture
						(Also listed as PSY 891.) Covers			
						neurobiological bases of			
						behavior. Focuses on motor			
						function, ingestion, mating,			
			Behavioral		Biomedica	learning, memory, rhythmical			
Fall 2007	BMS914	914	Neuroscience	BMS	I Sciences	4 influences, and emotion.	GR	LE	Lecture
						(Also listed as PHY 825) This			
						course will treat fundamental			
						programming approaches, data			
						structures and			
						mathematical/statistical			
						principles used in designing			
						computational biology tools and			
			Fund Bio			algorithms. Students will learn			
			Comp &		Biomedica	theoretical principles and gain			
Fall 2007	BMS925	925	Modeling	BMS	I Sciences	5 practical experience.	GR	LE	Lecture

						(Also listed as HFE 725.)	
						Provides students with tools	
			Quantitative			required to accomplish a	
			Workload		Biomedica	workload analysis as a requisite	
all 2007	BMS954	954	Analysis	BMS	I Sciences	4 to a systems design or a GR LE Le	ecture
						(Also listed as BME 731.)	
						Fundamentals of medical	
						ultrasonics: ultrasound	
						generation, propagation,	
						scattering, and attenuation in	
						biological tissue. A-mode, B-	
						mode, M-mode, and Doppler	
						imaging techniques. Ultrasound	
			Medical		Biomedica	tissue characterization and	
all 2007	BMS956	956	Ultrasonics	BMS	I Sciences	4 quantitative imaging techniques. GR LE Le	ecture
						(Also listed as BME 732.)	
						Principles of generating images	
						from projections. Discussion of	
						the various scanner geometries,	
						mathematical reconstruction,	
						correction procedures, and	
						qualitative and quantitative	
						evaluation of images. A major	
			Computed		Biomedica	focus is the medical application	
Fall 2007	BMS957	957	Tomography	BMS	I Sciences	1 3 1 3	ecture
						(Also listed as BME 734.) Digital	
						image processing in its	
						application to medical images.	
						Topics include image display,	
						filtering, two-dimensional Fourier	
						transform, restoration,	
						enhancement, and edge	
			Processing of			detection. Some simple tools	
			Medical		Biomedica	from the field of mathematical	
Fall 2007	BMS959	959	Images	BMS	I Sciences	4 morphology are also introduced. GR LE Le	ecture

						(Also listed as BME 741.)	
						Teaches the design and	
						application of neuromuscular	
						assistive devices.	
			Neuromuscula		Biomedica	Biomathematics modeling and	
Fall 2007	BMS961	961	r Rehab Egr	BMS	I Sciences	J 1	Lecture
						(Also listed as HFE 723.)	
1						Designed for BMS students who	
						are residents of the Aerospace	
						Medicine Program. Seminar	
						focuses on recent developments	
						in human factors engineering.	
1						Addresses design principles,	
						crew compartment technology	
			Aerospace			and resource management, crew	
			Med Human		Biomedica	members performance and	
Fall 2007	BMS964	964	Factors	BMS	I Sciences	· · · · · · · · · · · · · · · · · · ·	Lecture
						(Also listed as BIO 703.)	
						Molecular mechanism of	
						development, including topics	
			Advanced			such as; cell signalling, pattern	
			Development		Biomedica	formation, terminal	
Fall 2007	BMS967	967	Biology	BMS	I Sciences	4 differentiation. GR LE	Lecture
			- 03			(Also listed as P&B 808.)	
						Convention of student body and	
						faculty in biomedical sciences to	
						learn, discuss, and critique the	
						basic and clinical biomedical	
						literature as presented by an	
			Biomedical			active and reputable scientific	
			Sciences		Biomedica	investigator. Student	
Fall 2007	BMS990	990	Seminar	BMS	I Sciences	1 presentations required. GR LE	Lecture
						1 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
					Biomedica	Selected topics in biomedical	
Fall 2007	BMS991	991	Special Topics	BMS	I Sciences		Lecture

			Introduction		Biomedica	Introduces BMS students to the ongoing research activities within the nine program tracks; involves presentations by BMS			
Fall 2007	BMS994	994	to Research	BMS	I Sciences	5 faculty. Graded	GR	LE	Lecture
						Supervised research other than			
			Non-			laboratory rotations or dissertation			
			Dissertation		Biomedica	research.Pass/unsatisfactory			
Fall 2007	BMS995	995	Research	BMS	I Sciences	1 grades.	GR	LE	Lecture
	26776	7.70		20		Independent study designed to			200100
						develop proficiency in			
						technology, instrumentation,			
						research design, and data			
						analysis in an area of			
			Laboratory		Biomedica	concentration (advanced			
Fall 2007	BMS996	996	Rotation I	BMS	I Sciences	1 curriculum) different from a	GR	LB	Lab
						Independent study designed to			
						develop proficiency in			
						technology, instrumentation,			
						research design, and data			
			Laboratory		Biomedica	analysis in an area of concentration (advanced			
Fall 2007	BMS997	997	Rotation II	BMS	I Sciences	1 curriculum) different from a	GR	LB	Lab
1 411 2007	DIVISTA	771	Rotation ii	DIVIS	1 Sciences	Independent study designed to	OIX	LD	Lab
						develop proficiency in			
						technology, instrumentation,			
						research design, and data			
						analysis in an area of			
			Laboratory		Biomedica	concentration (advanced			
Fall 2007	BMS998	998	Rotation III	BMS	I Sciences	1 curriculum) different from a	GR	LB	Lab

			Dissertation		Biomedica	Planning and execution of scholarly original research of a quality that is publishable in a referred, scientific journal. Research must be communicated to the supervisory committee in written form and defended by			
Fall 2007	BMS999	999	Research	BMS	I Sciences	1 public, oral examination.	GR	LE	Lecture
	PUGAGO	400	Horizons in	Divis		Covers the range of activities, challenges, opportunities, and career paths in the world of U.S. and global business. Includes an overview and introduction to such diverse areas as the economic setting, international business, the structure of business, management of American business, human resources, marketing, information systems, accounting,			
Fall 2007	BUS100	100	Business Spec Top in	BUS	Business	4 finance, and ethics in business.	UG	LE	Lecture
Fall 2007	BUS480	480	Business	BUS	Business	3	UG	LE	Lecture
Fall 2007	CEG210	210	PC Networking	CEG	Computer Engineeri ng	Introduction to PC networking hardware, concepts, and technologies. Focus is on LAN administration and hardware and software configuration using in class hands-on exercises. Internet resources, from the PC 4 network perspective, are utilized.		LE	Lecture
Tall 2007	CLG210	210		OLG	Computer	Focuses on server installation, administration, multiple protocol intergration, systems maintenance, and trouble-	00	LL	Lecture
F 11 600=	050011	044	PC Networking	050	Engineeri	shooting. Includes hands-on			
Fall 2007	CEG211	211	П	CEG	ng	4 class and laboratory	UG	LE	Lecture

Introduction to digital computers and computer programming with		
Iana computer programming with		
C language. Algorithms and		
techniques useful to engineers.		
Data representa-tion, debugging,		
and program verification.		
Programming assignments		
"C" Computer include complex arithmetic. CS		
Programming Engineeri and CEG majors may not take		
	LE	Looturo
	LE	Lecture
Study and usage of the C		
programming language beyond		
Computer what is taught in the		
Adv "C" for Engineeri introductory course, CEG 220, in		1 4
Fall 2007 CEG221 221 Engineers CEG ng 4 the solution of engineering UG	LE	Lecture
Linux and Windows; GUI; files,		
directories, permissions;		
programs, processes; system		
calls, libraries; loading; dynamic		
linking; command line shells;		
scripting languages; regular		
Computer expressions; clients and servers;		
Linux and Engineeri Web browsers; secure shell, sftp;		
Fall 2007 CEG233 233 Windows CEG ng 4 SSI/TSL; system administration. UG	LE	Lecture
(Also listed as EE 260.) Topics		
include switching algebra and		
switching functions, logic design		
of combinational and sequential		
circuits using TTL, combinational		
logic design with MSI and LSI,		
Computer busing, storage elements, and		
Engineeri instrumentation. Three hours		
Fall 2007 CEG260 260 Digital Circuits CEG ng 4 lecture, two hours lab. UG	LE	Lecture
Computer		
Digital Comput Engineeri		
Fall 2007 CEG260L 260L Hdw Lab CEG ng 0 Required laboratory for CEG 260. UG	LB	Lab

						Definitions of AI, discussion of
						the different technologies that
						comprise the field, introduction
						to the fundamental concepts and
						methodologies of expert
						systems, and hands-on
						experience developing small
					Computer	expert system applications. CS
			Fundamental		Engineeri	and CEG majors may not take
Fall 2007	CEG305	305	Expert System	CEG	ng	4 this course for credit. UG LE Lecture
1 all 2007	CLG303	303	LAPERT System	CLG	rig	Terminology and understanding
						of functional organizations and
						sequential operation of a digital
						computer. Program structure,
						and machine and assembly
						language topics including
						addressing, stacks, argument
						passing, arithmetic operations,
					0	traps, and input/output. Macros,
			0		Computer	modularization, linkers, and
F - II 0007	050000	220	Computer	050	Engineeri	debuggers are used. Three hours
Fall 2007	CEG320	320	Organization	CEG	ng	4 lecture, two hours lab. UG LE Lecture
						Introduction to the use of UNIX
						and UNIX tools as a problem-
						solving environment. Emphasis
						on the shell, files and directories,
					Computer	editing files, user process
L			Introduction		Engineeri	management, compiling, and
Fall 2007	CEG333	333	to Unix	CEG	ng	2 debugging. UG LE Lecture
						Introduction to the design of
						information systems compirsing
						modern technologies such as
						SQL database programming,
						networks, and distributed
						computing with CORBA,
					Computer	electronic and hypertext (HTML)
			Design of Info		Engineeri	documents, and multimedia.
Fall 2007	CEG355	355	Tech Sys	CEG	ng	4 UG LE Lecture

Survey of modern digital communications techniques. Focus on serial transmission over public communications channels. Topics include information content and coding, asynchronous and synchronous formats, concentrating and multiplexing, channel properties, modulation techniques, common carrier services, error sources and control, regulatory policies, and networks and their analyses. Students must design both hardware and software	Fall 2007	CEG360	360	Digital System Design	CEG	Computer Engineeri ng	(Also listed as EE 451.) Topics include flip-flops, registers, counters, programmable logic devices, memory devices, register-level design, and microcomputer system organization. Students must show competency in the design of digital systems. Three hours	UG	LE	Lecture
Selected Fall 2007 CEG399 399 Topics CEG ng 1 Selected topics in computer engineering. Survey of modern digital communications techniques. Focus on serial transmission over public communications channels. Topics include information content and coding, asynchronous and synchronous formats, concentrating and multiplexing, channel properties, modulation techniques, common carrier services, error sources and control, regulatory policies, and networks and their analyses. Students must design both hardware and software	Fall 2007	CEG360L	360L		CEG	Engineeri	0 Required laboratory for CEG 360.	UG	LB	Lab
communications techniques. Focus on serial transmission over public communications channels. Topics include information content and coding, asynchronous and synchronous formats, concentrating and multiplexing, channel properties, modulation techniques, common carrier services, error sources and control, regulatory policies, and networks and their analyses. Students must design both hardware and software	Fall 2007	CEG399	399		CEG	Engineeri	1 engineering.	UG	LE	Lecture
Computer components of computer							communications techniques. Focus on serial transmission over public communications channels. Topics include information content and coding, asynchronous and synchronous formats, concentrating and multiplexing, channel properties, modulation techniques, common carrier services, error sources and control, regulatory policies, and networks and their analyses. Students must design both			
Computer Engineeri communications systems. Three	Eall 2007	CEC 402	402	•	CEC		,	ПС	l E	Lecture

					Computer					
			Computer		Engineeri					
Fall 2007	CEG402L	402L	Networks Lab CE	EG	ng	0	Required laboratory for CEG 402.	UG	LB	Lab
							Introduction to Wireless Personal			
							Area Networks (WPANs). Topics			
							include the networking			
							architectures, protocol design			
							and development, resource			
							management, middleware and			
					Computer		agent technologies, safety,			
			Personal Area		Engineeri		security and compatibility and			
Fall 2007	CEG403	403	Networks CE	EG	ng	4	<u>, </u>	UG	LE	Lecture
							Introduction to wireless sensor			
							networks, fundamental problems			
							and their solutions. Focus on			
							data aggregation, dissemination,			
							localization, power management,			
							security, algorithms and			
			Wireless		Computer		protocol. Students develop			
F 11 0007	050404	40.4	Sensor		Engineeri		applications using Micaz motes &			
Fall 2007	CEG404	404	Networks CE	EG .	ng		sensors running TinyOS	UG	LE	Lecture
							Introduction to the design and			
							development of software and			
							computer-interfacing hardware for effective use of			
							microprocessors in process			
							control, data collecting, and			
							other special-purpose computing			
							systems. Software topics include			
							assembly language			
					Computer		programming, input/output,			
			Microproc		Engineeri		interrupts, direct memory access,			
Fall 2007	CEG411	411	System Design CE	FG	ng		and timing problems. For	UG	LE	Lecture
. 411 2007	323711	1	System Design OL		ia	7	and thining problems. For			Looidio
			Microproc		Computer					
			System Des		Engineeri					
Fall 2007	CEG411L	411L	Lab CE	EG	ng	0	Required laboratory for CEG 411.	UG	LB	Lab

		1		1		(Also listed as MTH 416) Survey	
						(Also listed as MTH 416.) Survey	
						of numerical methods in linear	
						algebra emphasizing practice	
						with high-level computer tools.	
						Topics include Gaussian	
						elimination, LU decomposition,	
						numerical eigenvalue problems,	
					Computer	QR factorization, least squares,	
			Matrix		Engineeri	singular value decompositions,	
Fall 2007	CEG416	416	Computations	CEG	ng	4 and iterative methods. UG LE	Lecture
						(Also listed as EE 419.)	
						Foundations and philosophy of	
						fuzzy logic and applications to	
						control theory. Relationship	
						between classical PID control	
						and fuzzy rule-based control.	
						Techniques for rule construction	
						and adaptive fuzzy logic	
					Computer	controllers. Case studies of	
			Intro Fuzzy		Engineeri	applications. Three hours	
Fall 2007	CEG419	419	Logic Ctrl	CEG	ng	4 lecture, two hours lab. UG LE	Lecture
					Computer		
			Intro Fuzzy		·		
Fall 2007	CEC 4101	419L		CEG	Engineeri	0 Required laboratory for CEG 419. UG LB	Lab
'all 2007	CEG419L	419L	Log Ctrl Lab	CEG	ng	1 3	Lab
						Introduction to computer	
						architecture, computer system	
						analysis and design,	
						performance and cost,	
						instruction set architecture,	
						processor implementation	
					Computer	techniques, pipelining, memory-	
			Computer		Engineeri	hierarchy design, input/output,	
Fall 2007	CEG420	420	Architecture	CEG	ng	4 and contemporary architectures. UG LE	Lecture

						In-depth study of the design and use of microcomputer systems. Computer organization and interface facilities are examined. Hardware/software projects are			
						required to develop techniques			
			Microcomputer		Computer Engineeri	for hardware and software design of open-ended projects.			
Fall 2007	CEG421	421	Design Proj	CEG	ng	Three hours lecture, two hours	UG	LE	Lecture
			Microcom Design Proj		Computer Engineeri				
Fall 2007	CEG421L	421L	Lab	CEG	ng	0 Required laboratory for CEG 421.	UG	LB	Lab
			VHDL Hdwe		Computer Engineeri	VHDL is an industry-standard language used to describe hardware from the abstract to the concrete level. VHDL is rapidly being embraced as the			
Fall 2007	CEG425	425	Desc Lang	CEG	ng	4 universal communication	UG	LE	Lecture
			Linear Optical		Computer Engineeri	Introduction to linear optical systems, transformation properties of optical systems, correlation, convolution, diffraction, applications related to optical computers, such as beam steering for optical interconnection and parallel optical algorithm for pattern			
Fall 2007	CEG428	428		CEG	ng	4 search, and neural network.	UG	LE	Lecture
Fall 2007	CEG428L	428L	Linear Optical Sys Lab	CEG	Computer Engineeri ng	0 Required laboratory for CEG 428.	UG	LB	Lab

			Internet		Computer Engineeri	Authentication, address spoofing, hijacking, SYN floods, smurfing, sniffing, routing tricks, and privacy of data en-route. Buffer overruns and other exploitations of software development errors. Hardening of operating systems. Intrusion detection. Firewalls. Ethics. Prerequisite: CEG 402. Must have senior standing or be a first year graduate student to			
Fall 2007	CEG429	429	Security	CEG	ng	4 enroll.	UG	LE	Lecture
			Operating		Computer Engineeri	Overview of operating systems internals. File-system usage and design, process usage and control, virtual memory, multi user systems, access control. Course projects use C++ language. 4 Credit Hours. Three			
Fall 2007	CEG433	433	Systems	CEG	ng	4 hours lecture, two hours lab.	UG	LE	Lecture
			Concurrent		Computer Engineeri	Continuation of CEG 433. Processes and semaphores. Classical problems and solutions of synchronization and concurrency. File system integrity and robustness. Paging and segmentation. Overview of device drivers. Design of OS			
Fall 2007	CEG434	434	Software Des	CEG	ng	4 internals.	UG	LE	Lecture
			Distrib Computing &		Computer Engineeri	Study of process coordination, client-server computing, network and distributed operating systems, network and distributed file systems, concurrency control, recovery of distributed transactions, and fault-tolerant			
Fall 2007	CEG435	435	Sys	CEG	ng	4 computing.	UG	LE	Lecture

						Study networking protocol and			
						system design in mobile			
						computing. Focus on concepts,			
						architecture, design, and			
						performance evaluation of			
						mobile computing principles,			
					Computer	protocols and applications,			
			Mobile		Engineeri	including: wireless TCP, Mobile			
Fall 2007	CEG436	436	Computing	CEG	ng	4 IP, 802.11, agent techniques,	UG	LE	Lecture
						Laboratory projects combine			
						engineering hardware and			
						computer-science software			
						concepts in the design and			
					Computer	implementation of small, special-			
			Embedded		Engineeri	purpose computer systems.			
Fall 2007	CEG453	453	Systems	CEG	ng	4 Three hours lecture, two hours	UG	LE	Lecture
			Embedded		Computer				
E !! 0007	2504501	4501	Systems	250	Engineeri				
Fall 2007	CEG453L	453L	Laboratory	CEG	ng	O Required laboratory for CEG 453.	UG	LB	Lab
						(Also listed as EE 454.)			
						Introduction to VLSI system			
						design. Topics include CMOS devices and circuit design			
						techniques, basic building blocks			
						for CMOS design, fabrication			
						processing and design rules, chip			
						planning and layout, system			
					Computer	timing and power dissipation,			
					Engineeri	simulation for VLSI design, and			
Fall 2007	CEG454	454	VLSI Design	CEG	ng	4 signal processing with VLSI.	UG	LE	Lecture
2007			120. 200.911			g p. 00000g 12011			
					Computer				
			VLSI Design		Engineeri				
Fall 2007	CEG454L	454L	Lab	CEG	ng	0 Required laboratory for CEG 454.	UG	LB	Lab

Fall 2007	CEG456	456	Intro to Robotics	CEG	Computer Engineeri ng	(Also listed as EE 456, ME 456.) An introduction to the mathematics, programming, and control of robots. Topics include coordinate systems and transformations, manipulator kinematics and inverse kinematics, trajectory planning, 4 Jacobians, and control.	UG	LE	Lecture
F. W. 0007	0504541	1-11	Intro to	25.0	Computer Engineeri				
Fall 2007	CEG456L	456L	Robotics Lab Ckt Dsgn w	CEG	Computer Engineeri	O Required laboratory for CEG 456. (Also listed as EE 458.) Design and application of digital integrated circuits using programmable logic devices (PLDs) and field programmable gate arrays (FPGAs). A commercial set of CAD tools (Mentor Graphics and Xilinx) will be used in the laboratory portion		LB	Lab
Fall 2007	CEG458	458	Ckt Des/PLDs		Computer Engineeri	4 of the course.	UG	LE	Lecture
Fall 2007	CEG458L	458L	& FPGAs Lab Circuit Design	CEG	Computer Engineeri	O Required laboratory for CEG 458. (Also listed as EE 459.) Application of VHSIC hardware description language (VHDL) to the design, analysis, multi-level simulation, and synthesis of digital integrated circuits. A commercial set of CAD tools (Mentor Graphics) will be used in the laboratory portion of the		LB	Lab
Fall 2007	CEG459	459	with VHDL	CEG	ng	4 course.	UG	LE	Lecture

Fall 2007	CEG459L	459L	Ckt Design with VHDL Lab	CEC	Computer Engineeri	0	Required laboratory for CEG 459.	ПС	LB	Lab
Fall 2007	CEG459L	459L	WILL VHOL LAD	CEG	ng		Concepts of software	UG	LB	Lab
							engineering. Analysis, design,			
							and implementation of software			
							engineering concepts that			
							comprise structured			
							programming and design. Case			
					Computer		studies serve as examples			
			Intro to		Engineeri		illustrating the software life-cycle			
Fall 2007	CEG460	460	Software Engr	CEG	ng	4	model. Three hours lecture, two	UG	LE	Lecture
							Study of object-oriented design			
							and programming. Programming			
							topics emphasize the core			
							concepts of encapsulation,			
							inheritance, polymorphism, and			
							dynamic binding. Additional			
					Computer		topics include class organization,			
			Obj-Oriented		Engineeri		software maintenance, and			
Fall 2007	CEG461	461	Prog&Design	CEG	ng		design of reusable components.	UG	LE	Lecture
							Discusses software development			
							as it relates to the individual,			
							software process measurement,			
							design and code reviews,			
							software quality measurement,			
							design, and design verification.			Locturo/Lo
			Pers		Computer		Each student will participate in the development of a software			Lecture/La
			Softw/Dev		Engineeri		project. Three hours lecture, two			Combinatio
Fall 2007	CEG463	463	Process	CEG	ng		hours lab.	UG	LL	n

5 H 0007	0504/5		Interactive Sys	050	Computer Engineeri	(Also listed as HFE 465.) Provide students experience in interactive real-time simulation, design, implementation, and evaluation of interfaces to simulations. The relevant topics are explored through application in supervisory control of			
Fall 2007	CEG465	465	Modeling	CEG	ng	4 complex, dynamic systems. Discusses software development	UG	LE	Lecture
						processes, models, and			
						techniques necessary to			
						successfully develop large-scale			
						software. Presents the Capability			
						Maturity Model (CMM). Each			
						student will participate in the			Lecture/La
			Managing		Computer	development of a software			b
Fall 2007	CEG468	468	Softw/Dev Proces	CEG	Engineeri	project. Three hours lecture, two 4 hours lab.	UG	LL	Combinatio
Fall 2007	CEG400	400	Proces	CEG	ng	(Also listed as MTH 476.)	UG	LL	n
						Contents: raster graphics			
						algorithms, geometric primitives			
						and their attributes, clipping,			
						anialiasing, geometric			
						transformations, structures and			
						hierarchical models, input			
						devices, and interactive			
					0	techniques. Students develop			
			Computer		Computer	interrelated programs to design a three-dimensional hierarchical			
Fall 2007	CEG476	476	Computer Graphics	CEG	Engineeri ng	4 model, manipulate, and view it.	UG	LE	Lecture
1 all 2007	OLUT/U	Ŧ/U	or apriles	ULU	119	Timodol, manipulato, and view it.	00		Lociuio

			Computer		Computer Engineeri	(Also listed as MTH 477.) Continuation of CEG 476. Covers surface rendering, midden line and surface removal, illumination models, texture and mapping, color models, geometric modeling, and graphical interface design. Students develop programs and a final project. Three hours lecture, two hours			
Fall 2007	CEG477	477	Graphics II	CEG	ng	4 lab.	UG	LE	Lecture
					Computer Engineeri	(Also listed as MTH 456, EE 478.) Introduction to the essentials of error-correcting codes and the study of methods for efficient and accurate transfer of information. Topics to be covered include basic concepts, perfect and related			
Fall 2007	CEG478	478	Coding Theory Computer		Computer Engineeri	Covers transformations, interpolation, morphing, camera control, hierarchical kinematic modeling, rigid-body animation, controlling groups of objects, collision detection, image-based rendering. Students develop three programs and a final	UG	LE	Lecture
Fall 2007	CEG479	479	Animation	CEG	ng	4 project relating to animation.	UG	LE	Lecture

						Train students on methods to develop breakthrough products with an entrepreneurial perspective and managerial outlook. Topics include advanced product development, protecting intellectual property, fostering
			Technology-		Computer	strategic and creative thinking,
			Based		Engineeri	effectively leading technology-
Fall 2007	CEG490	490	Ventures	CEG	ng	4 driven teams. UG LE Lecture
			Undergraduat		Computer Engineeri	Completion of a computer engineering research project. Writing and defending a thesis that describes the research and Independ
Fall 2007	CEG495	495	e Thesis	CEG	ng	4 summarizes the results. UG IS nt Study
Fall 2007	CEG498	498	Team Projects	CEG	Computer Engineeri ng	A summative computer engineering team design project building upon previous engineering, science, mathematics, and communication course work focusing on professional practice in computer science and 4 engineering. Must enroll in two UG LE Lecture
E !! 0007	250400	400	Selected	05.0	Computer Engineeri	Topics vary. May be taken for letter grade or Independ
Fall 2007	CEG499	499	Topics	CEG	Computer	1 pass/unsatisfactory. UG IS nt Study Covers definitions of AI, discusses the different technologies that comprise the field, introduces the fundamental concepts and methodologies of expert systems, and provides
Eall 2007	CECEOE	EOF	Fundamental	CEC	Engineeri	hands-on experience developing
Fall 2007	CEG505	505	of Expert Sys	CEG	ng	4 small expert system applications. GR LE Lecture

							Terminology and understanding			
							of functional organizations and			
							sequential operation of a digital			
							computer. Program structure,			
							and machine and assembly			
							language topics including			
							addressing, stacks, argument			
							passing, arithmetic operations,			
							traps, and input/output. Macros,			Lecture/La
					Computer		modularization, linkers, and			b
			Computer		Engineeri		debuggers are used. 3 hours			Combinatio
Fall 2007	CEG520	520	Organization	CEG	ng	4	lecture, 2 hours lab.	GR	LL	n
							(Also listed as EE 651.) Topics			
							include flip-flops, registers,			
							counters, programmable logic			
							devices, memory devices,			
							register-level design, and			
							microcomputer system			
					Computer		organization. Students must			
			Digital System		Engineeri		show competency in the design		_	
Fall 2007	CEG560	560	Design	CEG	ng	4	of digital systems. 3 hours	GR	LE	Lecture
					Computer					
			Digital System		Engineeri					
Fall 2007	CEG560L	560L	Design Lab	CEG	ng	Λ	Required laboratory for CEG 560.	GR	LB	Lab
1 ull 2007	OLUJUUL	JUUL	Design Lab	OLU	119	U	incognition industriation y for OLO 300.	OI.	LD	Lab

Fall 2007	CEG602	602	Computer Networks	CEG	Computer Engineeri ng	Survey of modern digital communications techniques. Specific focus is on serial transmission over public communication channels. Topics include information content and coding, asynchronous and synchronous formats, concentrating and multiplexing, channel properties, modulation techniques, common carrier services, error sources and control, regulatory policies, networks, and their analyses. Students design both hardware and software components of computer communications systems. 3 hours lecture, 2 hours lab. Knowledge of a higher-order language required.		LE	Lecture
Fall 2007	CEG602L	602L	Computer Commun Des Lab Personal Area	CEG	Computer Engineeri ng Computer	O Required laboratory for CEG 602. Introduction of wireless Personal Area Networks (WPANs). Topics include the networking architectures, protocol design and development, resource management, middleware and agent technologies, safety, security and compatibility and	GR	LB	Lab
Fall 2007	CEG603	603	Networks	CEG	Engineeri ng	4 performance analysis in WPANs.	GR	LE	Lecture

			Wireless Sensor		Computer Engineeri	Introduction to wireless sensor networks. Overview of fundamental problems and their solutions. Focus on data aggregation, dissemination, localization, power management, security, algorithms and protocol. Students develop applications using Micaz motes and sensors running TinyOS			
Fall 2007	CEG604	604	Networks	CEG	ng	4 operating systems. GR	۱ ۲	LE	Lecture
			Microproc		Computer Engineeri	Introduces the design and development of software and computer interfacing hardware for effective use of microprocessors in process control, data collecting, and other special purpose computing systems. Software topics include assembly language programming, input/output, interrupts, direct memory access,			
Fall 2007	CEG611	611	System Design	CEG	ng	4 and timing problems. 3 hours GR	₹	LE	Lecture
Fall 2007	CEG611L	611L	Microproc Sys Desgn Lab	CEG	Computer Engineeri ng	0 Required laboratory for CEG 611. GR	₹	LB	Lab
F. II 2007	050/1/		Matrix	050	Computer Engineeri	(Also listed as MTH 616.) Survey of numerical methods in linear algebra emphasizing practice with high-level computer tools. Topics include Gaussian elimination, LU decomposition, numerical eigenvalue problems, QR factorization, least squares, singular value decompositions,			
Fall 2007	CEG616	616	Computations	CEG	ng	4 and iterative methods. GR	≺	LE	Lecture

Fall 2007	CEG619	619	Intro Fuzzy Logic Cntrl	CEG	Computer Engineeri ng	4	(Also listed as EE 619.) Foundations and philosophy of fuzzy logic and applications to control theory. Relationship between classical PID control and fuzzy rule-based control. Techniques for rule construction and adaptive fuzzy logic controllers. Case studies of applications.	GR	LE	Lecture
			Int Fuzzy		Computer Engineeri					
Fall 2007	CEG619L	619L	Logic Cntl Lab Computer	CEG	Computer Engineeri	0	Required laboratory for CEG 619. Introduction to Computer Architecture, computer system analysis and design, performance and cost, instruction set architecture, processor implementation techniques, pipelining, memory- hierarchy design, input/output	GR	LB	Lab
Fall 2007	CEG620	620	Architecture Microcomputer	CEG	ng Computer Engineeri	4	and contemporary architectures. In-depth study of the design and use of microcomputer systems. The computer organization and interface facilities are examined. Hardware/software projects are required to develop techniques for hardware and software design of open-ended projects. 3	GR	LE	Lecture
Fall 2007	CEG621	621	Design Proj	CEG	ng	4	hours lecture, 2 hours lab.	GR	LE	Lecture
Fall 2007	CEG621L	621L	Micro Computer Proj Lab	CEG	Computer Engineeri ng	0	Required laboratory for CEG 621.	GR	LB	Lab

Fall 2007	CEG625	625	VHDL Hdwe Desc Lang	CEG	Computer Engineeri ng	Rapidly being embraced as the universal communication medium of design, VHDL is an industry standard language used to describe hardware from the abstract to the concrete level.	GR	LE	Lecture
			Linear Optical		Computer Engineeri	Introduction to linear optical systems, transformation properties of optical systems, correlation, convolution, diffraction, applications related to optical computers, such as beam steering for optical interconnection and parallel optical algorithm for pattern			
Fall 2007	CEG628	628	Systems	CEG	ng	4 search, neural network.	GR	LE	Lecture
			Internet		Computer Engineeri	Authentication, address spoofing, hijacking, SYN floods, smurfing, sniffing, routing tricks, and privacy of data en-route. Buffer overruns and other exploitations of software development errors. Hardening of operating systems. Intrusion detection. Firewalls.			
Fall 2007	CEG629	629	Security	CEG	ng	4 Ethics.	GR	LE	Lecture
						Overview of Operating System internals. File-system usage and design, process usage and control, virtual memory, multi user systems, access control.			
			Operating		Computer	Course projects use C++			
Fall 2007	CEG633	633	Operating Systems	CEG	Engineeri	language. 4 Credit Hours. Three 4 house lecture, two hours lab.	GR	LE	Lecture
1 all 2007	CEGOSS	UJJ	Systems	CEG	ng	4 House lecture, two Hours lab.	GK	LE	Lecture

						Continuation of CEG 633. Processes and semaphores. Classical problems and solutions of synchronization and concurrency. File system integrity and robustness. Paging			
					Computer	and segmentation. Overview of			
			Concurrent		Engineeri	device drivers. Design of OS			
Fall 2007	CEG634	634	Software Des	CEG	ng	4 internals.	GR	LE	Lecture
						Covers issues such as process coordination, client-server computing, network and distributed operating systems, network and distributed file			
			Diotrib		Communitar	systems, concurrency control			
			Distrib Computing &		Computer Engineeri	and recovery of distributed transactions, and fault-tolerant			
Fall 2007	CEG635	635	Sys	CEG	ng	4 computing.	GR	LE	Lecture
			Mobile		Computer Engineeri	Study networking protocol and system design in mobile computing. Focus on concepts, architecture, design, and performance evaluation of mobile computing principle, protocols and applications, including: wireless TCP, Mobile			
Fall 2007	CEG636	636	Computing	CEG	ng	4 IP, 802.11 agent techniques, etc.	GR	LE	Lecture
			Embedded		Computer Engineeri	Projects in the laboratory that combine engineering hardware and computer science software concepts in the design and implementation of small special-purpose computer systems. 3			
Fall 2007	CEG653	653	Systems	CEG	ng	4 hours lecture, 2 hours lab.	GR	LE	Lecture
Fall 2007	CEG653L	653L	Embedded Systems Laboratory	CEG	Computer Engineeri ng	0 Required laboratory for CEG 653.	GR	LB	Lab

Fall 2007	CEG654	654	VLSI Design	CEG	Computer Engineeri ng	(Also listed as EE 654.) Introduction to VLSI system design. Topics include CMOS devices and circuit design techniques, basic building blocks for CMOS design, fabrication processing and design rules, chip planning and layout, system timing and power dissipation, simulation for VLSI design, and 4 signal processing with VLSI.	GR	LE	Lecture
			VLSI Design		Computer Engineeri				
Fall 2007	CEG654L CEG656	654L 656	Intro to Robotics	CEG	Computer Engineeri ng	O Required laboratory for CEG 654. (Also listed as EE 656 and ME 656.) Introduction to the mathematics, programming, and control of robots. Topics covered include coordinate systems and transformations, manipulator kinematics and inverse kinematics, trajectory planning, 4 Jacobians, and control.	GR	LB LE	Lab
Fall 2007	CEG656L	656L	Intro to Robotics Lab	CEG	Computer Engineeri ng	0 Required laboratory for CEG 656.	GR	LB	Lab
Fall 2007	CEG658	658	Ckt Dsgn w PLDs & FPGAs	CEG	Computer Engineeri ng	(Also listed as EE 658.) Design and application of digital integrated circuits using programmable logic devices (PLDs) and field programmable gate arrays (FPGAs). A commercial set of CAD tools (Mentor Graphics and Xilinx) will be used in the lab portion of the course.	GR	LE	Lecture

			Ckt Des/PLDs		Computer Engineeri				
Fall 2007	CEG658L	658L	& FPGAs Lab	CEG	ng	0 Required laboratory for CEG 658.	GR	LB	Lab
1 un 2007	0100001	0302		020	Computer	(Also listed as EE 659.) Application of VHSIC hardware description language (VHDL) to the design, analysis, multi-level simulation, and synthesis of digital integrated circuits. A commercial set of CAD tools	GIX		Lab
Fall 2007	CEG659	659	Circuit Design with VHDL	CEG	Engineeri ng	(Mentor Graphics) will be used in 4 the lab portion of the course.	GR	LE	Lecture
			Ckt Desgn		Computer Engineeri				
Fall 2007	CEG659L	659L	with VHDL Lab	CEG	ng	0 Required laboratory for CEG 659.	GR	LB	Lab
			Intro to		Computer Engineeri	Concepts of software engineering including analysis, design, and implementation of software engineering concepts that comprise structured programming and design. Case studies serve as examples			
Fall 2007	CEG660	660	Software Engr	CEG	ng	4 illustrating the software life-cycle	GR	LE	Lecture
			Obj-Oriented		Computer Engineeri	Topics emphasize the core concepts of encapsulation, inheritance, polymorphism, and dynamic binding. Additional topics include class organization, software maintenance, and			
Fall 2007	CEG661	661	•	CEG	ng	4 design of reusable components.	GR	LE	Lecture

						Discusses software development			
						as it relates to the individual,			
						software process measurement,			
						design and code reviews,			
						software quality measurement,			
						design and design verification.			
						Each student will participate in			Lecture/La
			Pers		Computer	the development of a software			b
			Softw/Dev		Engineeri	project. 3 hours lecture, 2 hours			Combinatio
Fall 2007	CEG663	663	Process	CEG	ng	4 lab.	GR	LL	n
					3	(Also listed as HFE 665.)			
						Provides experience in			
						interactive real-time simulation			
						and design, implementation and			
						evaluation of interfaces to			
						simulations. The relevant topics			
					Computer	are explored through application			
			Interactive Sys		Engineeri	in supervisory control of			
Fall 2007	CEG665	665	Modeling	CEG	ng	4 complex, dynamic systems.	GR	LE	Lecture
						Discusses software development			
						processes, models, and			
						techniques necessary to			
						successfully develop large-scale			
						software and presents the			
						Capability Maturity Model (CMM).			
						Students will participate in the			Lecture/La
			Managing		Computer	development of a software			b
			Softw/Dev		Engineeri	project. 3 hours lecture, 2 hours			Combinatio
Fall 2007	CEG668	668	Proces	CEG	ng	4 lab.	GR	LL	n

						Cayona maatan anan bisa			
						Covers raster graphics			
						algorithms, geometric primitives			
						and their attributes, clipping,			
						antialiasing, geometric			
						transformations, structures and			
						hierarchical models, input			
						devices, and interactive			
					Computer	techniques. Students develop			
			Computer		Engineeri	interrelated programs to design			
Fall 2007	CEG676	676	Graphics	CEG	ng	4 a 3-D hierarchical model,	GR	LE	Lecture
						Continuation of CEG 676. Covers			
						surface rendering, hidden line			
						and surface removal, illumination			
						models, texture mapping, color			
						models, advanced modeling, and			
					Computer	interface design. Students			
			Computer		Engineeri	develop programs and a final			
Fall 2007	CEG677	677	Graphics II	CEG	ng	4 project.	GR	LE	Lecture
			•			(Also listed as MTH 656/EE 678.)			
						Introduction to the essentials of			
						error-correcting codes, the study			
						of methods for efficient and			
						accurate transfer of information.			
					Computer	Topics include basic concepts,			
					Engineeri	perfect and related codes, cyclic			
Fall 2007	CEG678	678	Coding Theory	CEG	ng	3 codes, and BCH codes.	GR	LE	Lecture
						Covers transformations,			
						interpolation, morphing, camera			
						control, hierarchical kinematic			
						modeling, rigid-body animation,			
						controlling groups of objects,			
						collision detection, image-based			
					Computer	rendering. Students develop			
			Computer		Engineeri	three programs and a final			
Fall 2007	CEG679	679	Animation	CEG	ng	4 project relating to animation.	GR	LE	Lecture
. 311 2007	3200,7	J.,,			. '9	. project relating to animation	 `		200141.0

			Technology- Based		Computer Engineeri	Train students on methods to develop breakthrough products with an entrepreurial perspective and managerial outlook. Topics include advanced product development, protecting intellectual property, fostering strategic and creative thinking, effectively leading technology-			
Fall 2007	CEG690	690	Ventures	CEG	ng	4 driven teams.	GR	LE	Lecture
			Selected		Computer Engineeri	Selected topics in computer engineering. Topics vary. May be taken for letter grade or			Independe
Fall 2007	CEG699	699	Topics	CEG	ng	1 pass/unsatisfactory.	GR	IS	nt Study
E # 0007	050700	700	Prin of Instruct in	050	Computer Engineeri	Survey of available instructional materials and discussions of educational theory and techniques leading to more effective instruction. For			
Fall 2007	CEG700	700	Advanced Computer	CEG	Computer Engineeri	This course provides an in-depth examination of the fundamental concepts and principles in communications and computer networks. Topics include: queuing analysis, ATM, frame relay, performance analysis of routings, and flow and	GR	LE	Lecture
Fall 2007	CEG702	702	Networks	CEG	ng	4 congestion controls.	GR	LE	Lecture

						Review of sequential computer			
						architecture and study of parallel			
						computers. Topics include			
						memory hierarchy, reduced			
						instruction set computer, pipeline			
						processing, multiprocessing,			
						various parallel computers,			
					Communitar	·			
			0		Computer	interconnection networks, and			
F 11 0007	050700	700	Computer	050	Engineeri	fault-tolerant computing. 3 hours	0.0		
Fall 2007	CEG720	720	Architecture	CEG	ng	4 lecture, 2 hours lab.	GR	LE	Lecture
						Study of the image formation			
						process, binary images, edge			
						detection and image			
						segmentation, representation of			
						2-D and 3-D shapes, image			
						features, image matching, object			
					Computer	recognition, texture analysis, line-			
			Computer		Engineeri	drawing interpretation, and			
Fall 2007	CEG724	724	Vision I	CEG	ng	4 model-based vision.	GR	LE	Lecture
						Study of: stereo vision; shape			
						from shading and photometric			
						stereo; shape from texture;			
						motion analysis and optical flow;			
						camera calibration; projective			
						geometry; geometric invariance;			
					Computer	dynamic vision; analysis of			
			Computer		Engineeri	multispectral images; analysis of			
Fall 2007	CEG725	725	Vision II	CEG	ng	4 volumetric images.	GR	LE	Lecture
						Bayesian Decision Theory,			
						unsupervised learning and			
					Computer	clustering, structural pattern			
			Pattern		Engineeri	recognition, synatactic pattern			
Fall 2007	CEG726	726	Recognition	CEG	ng	4 recogntion.	GR	LE	Lecture

Fall 2007	CEG728	728	Intro Optical Computing	CEG	Computer Engineeri ng	Introduction to optical computing algorithms and architecture, optical logic, optical computing modules, optical CPUs, memory, interconnection, and optical 4 devices. GR LE Lecture
Fall 2007	CEG729	729	Optical Computer Arch	CEG	Computer Engineeri	Optics provides for new high- performance architectures including hardware and software methodologies. Optical architectures considered include: sequential, dataflow, cellular 4 automatic, and neural networks. GR LE Lecture
rali 2007	CLG/29	129	Distr Comp	CEG	Computer Engineeri	Communicating sequential processes, clients and servers, remote procedure calls, stub generation, weak and strong semaphones, split-binary semaphores, and distributed termination. Example languages: SR, Linda. 3 hours
Fall 2007 Fall 2007	CEG730 CEG750	730	Principles Microprocesso rs	CEG	Computer Engineeri ng	4 lecture, 2 hours lab. Study of microprocessors and the use of microprocessors in digital systems. Fundamentals of microprocessor software, assembly-level programming for micro-processor applications, memory and interface considerations, and systems employing microprocessors. 3 4 hours lecture, 2 hours lab. GR LL n
Fall 2007	CEG750L	750L	Microprocesso rs Lab	CEG	Computer Engineeri ng	0 Required laboratory for CEG 750. GR LB Lab

						Interaction of microprocessors and the outside world. Data acquisition and real-time control. Bus interfacing and direct memory access. Multiple processor environment and			
						distributed processing. Small real			
					Computer	time operating systems. Project			
			Microprocesso		Engineeri	management. 3 hours lecture, 2			
Fall 2007	CEG751	751	rs II	CEG	ng	4 hours lab.	GR	LE	Lecture
			Microprocesso		Computer Engineeri				
Fall 2007	CEG751L	751L	rs II Lab	CEG	ng	0 Required laboratory for CEG 751.	GR	LB	Lab
			VLSI		Computer	(Also listed as EE 752.) CMOS VLSI subsystems including data path operators, counters, multipliers, memory elements, and programmable logic arrays. VLSI circuits for FIR and IIR filters. VLSI circuits for digital			
			Subsystem		Engineeri	data exchange systems. 3 hours			
Fall 2007	CEG752	752	Design	CEG	ng	4 lecture, 2 hours lab.	GR	LE	Lecture
					Computer Engineeri				
Fall 2007	CEG752L	752L	VLSI Lab	CEG	ng	0 Required laboratory for CEG 752.	GR	LB	Lab
			VLSI Synthesis/Opti		Computer Engineeri	(Also listed as EE 753.) VLSI architectural-level synthesis and optimization including data-path synthesis, control-units synthesis, scheduling, and resource sharing. Logic-level synthesis and optimization including two-level and multi-level combinational logic optimization, and sequential logic			
Fall 2007	CEG753	753	miz	CEG	ng	4 optimization. 3 hours lecture, 2	GR	LE	Lecture

Fall 2007	CEG753L	753L	VLSI II Lab	CEG	Computer Engineeri ng	Required laboratory for CEG 753.	GR	LB	Lab
Fall 2007	CEG754	754	VLSI Testing/Testa bility	CEG	Computer Engineeri ng	(Also listed as EE 754.) Design for testability of VLSI circuits. Topics include importance of testing, conventional test methods, built-in test, CAD tools for evaluation testability, test pattern generators, and compressors.	GR	LE	Lecture
			VLSI Test/Testabilit		Computer Engineeri				
Fall 2007 Fall 2007	CEG754L CEG756	754L 756	y Lab	CEG	Computer Engineeri ng	O Required laboratory for CEG 754. (Also listed as EE 756 and ME 756.) Detailed study of the dynamics and control of robotic systems and robot programming languages and systems. Material covered includes rigid-body dynamics; linear, nonlinear, adaptive, and force control of manipulators; and robot programming languages.	GR GR	LE	Lecture
Fall 2007	CEG756L	756L	Robotics Lab	CEG	Computer Engineeri ng	0 Required laboratory for CEG 756.	GR	LB	Lab

Fall 2007	CEG757	757	Robotics II	CEG	Computer Engineeri ng	An introduction to sensing, vision, and robot intelligence and task planning. Material covered includes sensors, low-level and higher level vision techniques, task planning including obstacle avoidance and artificial intelligence and expert systems 4 as applied to robotic systems.	GR	LE	Lecture
Fall 2007	CEG757L	757L	Robotics II	CEG	Computer Engineeri ng	0 Required laboratory for CEG 757.	GR	LB	Lab
Fall 2007	CEG758	758	CMOS Analog IC Design	CEG	Computer Engineeri ng	(Also listed as EE 758.) Introduction to techniques, limitations, and problems in the design of CMOS analog integrated circuits. Topics include CMOS analog circuit modeling and device characterization, analog CMOS subcircuits, CMOS amplifiers, comparators, CMOS Op Amps. 3 hours lecture, 2 4 hours lab.		LE	Lecture
Fall 2007	CEG758L	758L	CMOS Analog IC Desgn Lab	CEG	Computer Engineeri ng	0 Required laboratory for CEG 758.	GR	LB	Lab
Fall 2007	CEG759	759	AI in Robotics	CEG	Computer Engineeri ng	Introduction to robot intelligence and task planning. Material includes obstacle avoidance, robot planning, robotics computations, neural network computing, robot learning, and 4 expert systems.	GR	LE	Lecture

					Computer	Introduction to software engineering. Fundamentals of problem specification, program design, verification, and evaluation are explored.
Fall 2007	CEG760	760	Adv Software	CEC	Engineeri	Students participate in team 4 projects to apply the methods GR LE Lecture
Fall 2007	CEG/60	760	Engineering	CEG	ng	4 projects to apply the methods GR LE Lecture Introduction to formal methods
						in the specification, design,
						construction, and verification of
						software systems. Discrete
					Computer	mathematics and logic for
			Formed Moth		Computer	software engineering. Formal
Fall 2007	CEC7/2	7/2	Formal Meth	CEC	Engineeri	specification and design
Fall 2007	CEG763	763	in Soft Engr	CEG	ng	4 methods; design specification GR LE Lecture
						Introduction to computer
						arithmetic algorithms, systems
						theory, linear and nonlinear
						programming, and optimization
						theory for computer engineering
			0		0	applications. In addition to
			Computer		Computer	mathematical theory, appropriate
F 11 0007	050770	770	Engineering	050	Engineeri	engineering applications are
Fall 2007	CEG770	770	Math	CEG	ng	4 presented. GR LE Lecture
						Hermite, Bezier, B-spline, Non-
						uniform rational B-spline curves
					Computer	and surfaces, as well as model
			Geometric		Engineeri	construction, manipulation, and
Fall 2007	CEG777	777	Modeling	CEG	ng	4 editing techniques are covered. GR LE Lecture

E-II 2007	050700	700	Continuing	050	Computer Engineeri	A student must be registered at the graduate level in the quarter in which the degree is granted, or in any quarter in which the program is affording some service, such as giving an examination, reading a thesis, or giving advise on the thesis after completion of all other requirements of coursework and	CD		Independe
Fall 2007	CEG789	789	Registration Selected Topics Comp	CEG	Computer Engineeri	1 research. Lectures on and study of selected topics in current research and recent developments in computer engineering. May be taken for	GR	IS	nt Study
Fall 2007	CEG790	790	Egr	CEG	ng	4 letter grade or	GR	LE	Lecture
Fall 2007	CEG795	795	Independent Study	CEG	Computer Engineeri ng	Special problems in advanced computer engineering topics. 1 Graded pass/unsatisfactory.	GR	IS	Independe nt Study
Fall 2007	CEG799	799	Thesis	CEG	Computer Engineeri ng	1 Grade pass/unsatisfactory.	GR	IS	Independe nt Study
					Computer	Study of parallel architectures and parallel processing. Topics include multiprocessors, cache coherence, synchronization mechanisms, scalable			
Fall 2007	CEG820	820	Computer Architecture II	CEG	Engineeri ng	architectures, and vectorization 4 and parallelization.	GR	LE	Lecture

Fall 2007	CEG830	830	Distr Comp Systems	CEG	Computer Engineeri ng	Example languages and packages: SR and PVM, file servers, semantics of file sharing, caches and replication, log-structured file systems, remote evaluation, process migration, mobile projects, 4 checkpointing and rollback-	GR	LE	Lecture
Fall 2007	CEG860	860	Object- Oriented Prog	CEG	Computer Engineeri ng	Course covers data abstraction, overloading, polymorphism, inheritance binding, delegation and prototypes, and languages such as C++, Ada 95, Eiffel, and Self from a software engineering 4 point of view.	GR	LE	Lecture
Fall 2007	CEG890	890	Selected Topics	CEG	Computer Engineeri ng	Selected topics in computer science and engineering.	GR	IS	Independe nt Study
Fall 2007	CEG891	891	PhD Seminar	CEG	Computer Engineeri ng	Registration in the Ph.D. seminar is required of all students seeking the Ph.D. in computer science and engineering. Graded pass/unsatisfactory.	GR	SE	Seminar
			PHD		Computer	Examination that tests understanding of the fundamentals necessary to begin concentrated study in a chosen Ph.D. research area. Composed of written tests and an oral exam. Must be passed within		, T	
Fall 2007	CEG892	892	Qualifying Exam	CEG	Engineeri ng	two attempts. Graded 1 pass/unsatisfactory.	GR	IS	Independe nt Study

Fall 2007	CEG894	894	Candidacy Exam	CEG	Computer Engineeri ng	Examination that tests for depth and understanding in a chosen computer science and computer engineering research area. Includes a written proposal for a Ph.D. topic and an oral examination that is open to the public. Graded Independent of the pass/unsatisfactory. Independent of the pass/unsatisfactory. Independent of the pass/unsatisfactory. Independent of the pass/unsatisfactory.
1 411 2007	OLGO74	074	LXdIII	CLG	ng	i pass/unsatisfactory. On 15 int Study
Fall 2007	CEG895	895	Independent Study	CEG	Computer Engineeri ng	Independent study in a chosen area for Ph.D. research. Graded pass/unsatisfactory. Independent study in a chosen Independent
					Computer	Examination on the Ph.D. dissertation. The written dissertation is submitted and must be successfully defended in the oral exam conducted by the
			Dissertation		Engineeri	dissertation committee. Graded Independ
Fall 2007	CEG896	896	Defense	CEG	ng	1 pass/unsatisfactory. GR IS nt Study Research on the Ph.D.
Fall 2007	CEG897	897	Residency Research	CEG	Computer Engineeri ng	dissertation topic taken in residence. Graded Independent Independ
			Dissertation		Computer Engineeri	Research on the Ph.D. dissertation topic not taken in residence. Graded Independ
Fall 2007	CEG898	898	Research	CEG	ng	1 pass/unsatisfactory. GR IS nt Study
			Beginning			Study of the vocabulary and structure of the Chinese language; practice in
Fall 2007	CHI101	101	Chinese First-Year	CHI	Chinese	4 conversation, reading and UG LE Lecture Study of the vocabulary and structure of the Chinese language; practice in
Fall 2007	CHI102	102	Chinese	СНІ	Chinese	4 conversation, reading and UG LE Lecture

						Study of the vocabulary and		
						structure of the Chinese		
			First-Year			language; practice in		
Fall 2007	CHI103	103	Chinese	CHI	Chinese	4 conversation, reading and UG	LE	Lecture
						Introduction to Chinese with		
			Essentials of			emphasis on speaking the		
Fall 2007	CHI111	111	Chinese	CHI	Chinese	4 language. UG	LE	Lecture
						Grammer review, reading, and		
						discussion of selected texts with		
			Second Year			practice in speaking and writing		
Fall 2007	CHI201	201	Chinese	CHI	Chinese	4 the language.	LE	Lecture
						Grammer review, reading, and		
						discussion of selected texts with		
			Second Year			practice in speaking and writing		
Fall 2007	CHI202	202	Chinese	CHI	Chinese	4 the language.	LE	Lecture
						Grammer review, reading, and		
						discussion of selected texts with		
			Second Year			practice in speaking and writing		
Fall 2007	CHI203	203	Chinese	CHI	Chinese	4 the language.	LE	Lecture
						This course will pursue a balance		
						of the four basic language skills:		
						Reading, writing, listening and		
			Chinese			speaking in Chinese with a focus		
Fall 2007	CHI311	311	Conversation	CHI	Chinese	4 on conversation.	LE	Lecture
1						This course is a continuation of		
						Chinese 311 pursuing a balance		
						of the four basic language skills:		
						reading, writing, listening and		
			Chinese			speaking in Chinese with a focus		
Fall 2007	CHI312	312	Conversation	CHI	Chinese	4 on conversation.	LE	Lecture
						This course will pursue a balance		
						of the four basic language skills:		
						Reading, writing, listening and		
			Chinese			speaking in Chinese with a focus		
Fall 2007	CHI313	313	Conversation	CHI	Chinese	4 on conversation.	LE	Lecture

							Historical approach to the			
							fundamentals of chemistry:			
							composition and structure, properties and transformations			
			Intro to				of matter. Three hours lecture,			
Fall 2007	CHM101	101	Chemistry	СНМ	Chemistry	15	three hours lab.	UG	LE	Lecture
Fall 2007	CHIVITOT	101	Chemistry	CHIVI	Chemistry	4.5	Historical approach to the	UG	LE	Lecture
							fundamentals of chemistry:			
							composition and structure,			Lecture/La
							properties and transformations			h
			Intro to				of matter. Three hours lecture,			Combinatio
Fall 2007	CHM101	101	Chemistry	СНМ	Chemistry	45	three hours lab.	UG	LL	n
1 411 2007	011111101		Intro to	011111	onomistry	1.0	Required laboratory for CHM			
Fall 2007	CHM101L	101L		СНМ	Chemistry	0	101.	UG	LB	Lab
			,							
			Intro to							
Fall 2007	CHM101R	101R	Chemistry Rec	CHM	Chemistry	0	Required recitation for CHM 101.	UG	RE	Recitation
							An elementary discussion of the			
							structure of hydrocarbons,			
							organic functional groups, and a			
			Elem Organic				few selected reactions. Three			
Fall 2007	CHM102	102	Chm w/Applic	CHM	Chemistry	4.5	hours lecture, three hours lab.	UG	LE	Lecture
							An elementary discussion of the			
							structure of hydrocarbons,			
							organic functional groups, and a			
			Elem Organic				few selected reactions. Three			
Fall 2007	CHM102	102	Chm w/Applic	CHM	Chemistry	4.5	hours lecture, three hours lab.	UG	LB	Lab
							An elementary discussion of the			
							structure of hydrocarbons,			Lecture/La
							organic functional groups, and a			b
			Elem Organic				few selected reactions. Three			Combinatio
Fall 2007	CHM102	102	Chm w/Applic	СНМ	Chemistry	4.5	hours lecture, three hours lab.	UG	LL	n
			EI 0 01							
E 11 0007	0111144001	4001	Elem Org Chm	01.18.4			Required laboratory for CHM			
Fall 2007	CHM102L	102L	w/Appl Lab	СНМ	Chemistry	0	102.	UG	LB	Lab
			Elem Org Chm							
Fall 2007	CHM102R	102R	w/Appl Rec	СНМ	Chemistry	Ω	Required recitation for CHM 102.	LIG	RE	Recitation
1 all 2007	CHIMITOZI	1021	w/whhi izec	OT HAI	On Chinstry	0	required recitation for Crim 102.	50	IVL	Reditation

Fall 2007	CHM105	105	Chemistry: Living Things	СНМ	Chemistry	Examination of the principles of covalent bonding, structures, and reactions of molecules important to living things, with attention to the technological, regulatory, and social complexities of problems related 4 to them. Three hours lecture, Examination of the principles of covalent bonding, structures,	UG	LL	Lecture/La b Combinatio n
Fall 2007	CHM105	105	Chemistry: Living Things	СНМ	Chemistry	and reactions of molecules important to living things, with attention to the technological, regulatory, and social complexities of problems related to them. Three hours lecture,	UG	LE	Lecture
Fall 2007	CHM105L	105L	Chm: Living Things Lab	СНМ	Chemistry	Required laboratory for CHM 0 105.	UG	LB	Lab
Fall 2007	CHM106	106	Chemistry: Materials	СНМ	Chemistry	Examination of the bonding of metals and nonmetals to explain the nature of familiar materials of industrial importance. Attention to the risk/benefit implications of these materials and technologies for consumers. 4 Three hours lecture, two hours	UG	LE	Lecture
. 3.1 2007	511111100	. 33	Chm:	0.111	3.1011.13ti y	Required laboratory for CHM			2301410
Fall 2007	CHM106L	106L	Materials Lab Chemistry:	СНМ	Chemistry	0 106. Examination of gaseous and liquid states and thermochemistry as a basis for understanding air and water quality and fossil and nuclear fuels. Attention to the chemistry of the solar system. Three hours	UG	LB	Lab
Fall 2007	CHM107	107	Energy & Envir Chm: Energy	СНМ	Chemistry	4 lecture, two hours lab. Required laboratory for CHM	UG	LE	Lecture
Fall 2007	CHM107L	107L	& Envir Lab	СНМ	Chemistry	0 107.	UG	LB	Lab

	01111107		Writing in							
	CHM107		Chem/Engry&							
Fall 2007	W	107W	Envir	СНМ	Chemistry	0		UG	LB	Lab
							Structure and properties of			
							atoms and molecules and the			
							macroscopic consequences			
							thereof. Three hours lecture,			
			General				three hours lab, one hour			
Fall 2007	CHM121	121	Chemistry 1	СНМ	Chemistry	3	recitation.	UG	LE	Lecture
			Submicroscopi				Required laboratory for CHM			
Fall 2007	CHM121L	121L	c Chm Lab	CHM	Chemistry	0	121.	UG	LB	Lab
			Submicroscopi							
Fall 2007	CHM121R	121R	c Chm Rec	CHM	Chemistry	0	Required recitation for CHM 121.	UG	RE	Recitation
							Physical and chemical behavior			
							of large collections of atoms and			
							molecules. Three hours lecture,			
			General				three hours lab, one hour			
Fall 2007	CHM122	122	Chemistry 2	CHM	Chemistry	3	recitation.	UG	LE	Lecture
			Macroscopic				Required laboratory for CHM			
Fall 2007	CHM122L	122L	Chemistry Lab	СНМ	Chemistry	0	122.	UG	LB	Lab
			Macroscopic							
Fall 2007	CHM122R	122R	Chemistry Rec	СНМ	Chemistry	0	Required recitation for CHM 122.	UG	RE	Recitation
							Quantitative aspects of			
							chemistry; emphasis on			
							computational and experimental			
							estimation of the composition of			
							chemical systems. Three hours			
			General				lecture, three hours lab, one			
Fall 2007	CHM123	123	Chemistry 3	СНМ	Chemistry	3	hour recitation.	UG	LE	Lecture
			Reaction				Required laboratory for CHM			
Fall 2007	CHM123L	123L	Dynamics Lab	CHM	Chemistry	0	123.	UG	LB	Lab
			Reaction							
Fall 2007	CHM123R	123R	Dynamics Rec	CHM	Chemistry	0	Required recitation for CHM 123.	UG	RE	Recitation
			General				Examination of the principles of			
			Chemistry Lab				General Chemistry 1 through			
Fall 2007	CHM125	125	1	CHM	Chemistry	2	experimentation.	UG	LB	Lab

			Lab in CHM							
Fall 2007	CHM125L	125L	125	CHM	Chemistry	0		UG	LB	Lab
			General				Examination of the principles of			
			Chemistry Lab				General Chemistry 2 through			
Fall 2007	CHM126	126	2	CHM	Chemistry	2	experimentation.	UG	LB	Lab
			General				Examination of the principles of			
			Chemistry Lab				General Chemistry 3 through			
Fall 2007	CHM127	127	3	CHM	Chemistry	2	experimentation.	UG	LB	Lab
							Organic chemistry with its			
							applications is presented with			
							fundamental chemical concepts			
			Modern Gen				introduced as they are necessary			
Fall 2007	CHM191	191	Chm I:Organic	CHM	Chemistry	5	to explain the subject.	UG	LE	Lecture
			Mod Gen Chm				Required laboratory for CHM			
Fall 2007	CHM191L	191L	I: Org Lab	CHM	Chemistry	0	191.	UG	LB	Lab
			Mod Gen Chm							
Fall 2007	CHM191R	191R	I: Org Rec	CHM	Chemistry	0	Required recitation for CHM 191.	UG	RE	Recitation
							Useful materials are presented			
							from a chemical point of view			
			Mod Gen Chm				with fundamental concepts			
Fall 2007	CHM192	192	II: Material	CHM	Chemistry	5	introduced as needed.	UG	LE	Lecture
			Mod Gen Chm				Required laboratory for CHM			
Fall 2007	CHM192L	192L	II: Mat Lab	CHM	Chemistry	0	192.	UG	LB	Lab
			Mod Gen Chm							
Fall 2007	CHM192R	192R	II: Mat Rec	CHM	Chemistry	0	Required recitation for CHM 192.	UG	RE	Recitation
							The relationships between			
							energy and matter are explored			
			Mod Gen Chm				with fundamental chemical			
Fall 2007	CHM193	193	III: Energy	CHM	Chemistry	5	concepts introduced as needed.	UG	LE	Lecture
			Mod Gen Chm				Required laboratory for CHM			
Fall 2007	CHM193L	193L	III: Engy Lab	CHM	Chemistry	0	193.	UG	LB	Lab
			Mod Gen Chm							
Fall 2007	CHM193R	193R	III: Engy Rec	CHM	Chemistry	0	Required recitation for CHM 193.	UG	RE	Recitation
							Principles, theories, and			
							applications of the chemistry of			
			Organic				carbon compounds. Three hours			
Fall 2007	CHM211	211	Chemistry I	CHM	Chemistry	4	lecture, one hour recitation.	UG	LE	Lecture

		Organic						
Fall 2007	CHM211R 211R	Chemistry I Rec	СНМ	Chemistry	0 Required recitation for CHM 211.	HG	RE	Recitation
1 411 2007	CHIVIZTIK ZTIK	Nec	CITIVI	Chemistry	Principles, theories, and	UG	INL.	Recitation
					applications of the chemistry of			
		Organic			carbon compounds. Three hours			
Fall 2007	CHM212 212	Chemistry II	СНМ	Chemistry	4 lecture, one hour recitation.	UG	LE	Lecture
		Organic						
		Chemistry II						
Fall 2007	CHM212R 212R	Rec	CHM	Chemistry	0 Required recitation for CHM 212.	UG	RE	Recitation
					Principles, theories, and			
					applications of the chemistry of			
		Organic			carbon compounds. Three hours			
Fall 2007	CHM213 213	Chemistry III	CHM	Chemistry	4 lecture, one hour recitation.	UG	LE	Lecture
		Organic						
		Chemistry III						
Fall 2007	CHM213R 213R	Rec	СНМ	Chemistry	0 Required recitation for CHM 213.	UG	RE	Recitation
		0			Laboratory illustrations of CHM			
		Organic			211 lecture material and			
Fall 2007	CLIMANT NATE	Chemistry Lab	CLIM	Chamiatm	techniques of preparative	UG	LD	l ob
Fall 2007	CHM215 215	l l	СНМ	Chemistry	2 organic chemistry. Laboratory illustrations of CHM	UG	LB	Lab
		Organic			212 lecture material and			
		Chemistry Lab			techniques of preparative			
Fall 2007	CHM216 216	II	СНМ	Chemistry	2 organic chemistry.	UG	LB	Lab
1 411 2007	GI IIVIZ IO Z IO	11	CITIVI	OHEITIISH Y	Laboratory illustrations of CHM	00	LD	Lab
		Organic			213 lecture material and			
		Chemistry Lab			techniques of preparative			
Fall 2007	CHM217 217	III	СНМ	Chemistry	2 organic chemistry.	UG	LB	Lab

							An accelerated treatment of			
							fundamental concepts and			
							applications of chemistry for			
							• •			
							elementary education majors.			
							Those concrete observable topics			
							most appropriate for			
							presentation to elementary and			
							middle school students will be			
							emphasized. Demonstrations and			Lecture/La
							activities are used extensively.			b
			Concepts in				For elementary education			Combinatio
Fall 2007	CHM245	245	Chemistry I	CHM	Chemistry	4.5	majors. Integrated lecture/lab.	UG	LL	n
							Fundamental concepts of			
							chemistry for middle childhood			
							science education majors			
							emphasizing topics most			
							appropriate for presentation to			Lecture/La
							middle school students. Course			b
			Concepts in				includes a detailed study of heat			Combinatio
Fall 2007	CHM246	246	Chemistry I	CHM	Chemistry	4.5	energy.	UG	LL	n
							An upper level course for non-			
							science majors who wish to learn			
							about chemistry from a			
			Philosophy of				philosophical and humanist			
Fall 2007	CHM301	301	Chem	CHM	Chemistry	3	viewpoint.	UG	LE	Lecture
							(Also listed as CHM 502.) Water,			
							air, and soil chemistry including			
							pollutants added to these			
							environments and how they			Lecture/La
							interact to create environmental			b
			Environmental				problems. Three hours lecture,			Combinatio
Fall 2007	CHM302	302	Chem	СНМ	Chemistry	4	three hours lab.	UG	LL	n
							(Also listed as BIO 310, PHY 310,			
							MTH 310, and GL 310.) A writing-			
			Issues in				intensive course dealing with			
Fall 2007	CHM310	310	Science	СНМ	Chemistry	3	issues in science.	UG	LE	Lecture
. an 2007	01 11110 10	3.0	30101100	J1 11V1	Shoringti y	J	100000 111 001011001	-		Locialo

			1				1		
						Introduction to chemical			
						methods of analysis covering			
						traditional as well as modern			
						techniques and equipment;			
			Quantitative			emphasis on calculations and the			
Fall 2007	CHM312	312	Analysis	CHM	Chemistry	3 interpretation of analytical data.	UG	LE	Lecture
						Experimental methods of			
			Quantitative			analysis. Practical applications of			
Fall 2007	CHM314	314	Analysis Lab	CHM	Chemistry	4.5 lecture material presented in	UG	LB	Lab
						Based on National Science			
						Education Standards. Topics			
						include: periodic table, chemical			
						reactions, thermochemistry,			
						organic and nuclear chemistry			
						with everyday examples. Inquiry-			
						based activities including			
						historical and societal			
						perspectives. For Middle			Lecture/La
						Childhood Majors pursuing			b
			Concepts in			science concentration.			Combinatio
Fall 2007	CHM346	346	Chemistry II	CHM	Chemistry	4.5 Integrated lecture/lab.	UG	LL	n
						Molecular structure,			
						stereochemistry, properties, and			
						reactivities of selected organic			
						substances of industrial			
						importance, including fuels,			
						lubricants, solvents, coatings,			
						plastics, dyes, and naturally			
						occurring engineering materials.			
			Org Chem of			Not open to students with credit			
Fall 2007	CHM361	361	Egr Materials	CHM	Chemistry	4 for CHM 212.	UG	LE	Lecture

							(Also listed as CHM 602.)			
							Environmental sampling and			
							analysis using instrumental			
							techniques. Chemical fate			
							prediction by measurement and			Lecture/La
							examination of physical and			b
			Adv Environ				chemical properties. Three hours			Combinatio
Fall 2007	CHM402	402	Chm & Analy	СНМ	Chemistry	4	lecture, three hours lab.	UG	LL	n
			,				Study of the Earth's atmosphere			
İ							including its normal composition			
							and atmospheric reactions;			
1							emphasis on nature, causes,			
							effects, detection, and			
							abatement of various types of air			
			Enviornmental				pollution. Two hours lecture,			
Fall 2007	CHM410	410	ChemI: Air	CHM	Chemistry	3.5	three hours lab, or field project.	UG	LE	Lecture
			Environ Chem				Required laboratory for CHM			
Fall 2007	CHM410L	410L	I: Air Lab	CHM	Chemistry	0	410.	UG	LB	Lab
							Study of the Earth's fresh and			
							saline water including its normal			
							composition and aquatic			
							reactions; emphasis on nature,			
							causes, effects, detection, and			
							abatement of various types of			
							water pollution. Two hours			
			Environ Chem				lecture, three hours lab or field			
Fall 2007	CHM411	411	II: Water	CHM	Chemistry	3.5	project.	UG	LE	Lecture
			Env Chem II:				Required laboratory for CHM	_		
Fall 2007	CHM411L	411L	Water Lab	CHM	Chemistry	0	411.	UG	LB	Lab
							A survey of the problems of solid			
							wastes, pesticides, food			
							additives, and radioactive			
							materials including their chemical			
							composition, effects, detection,			
			F Ob				disposal, and natural breakdown.			
F-II 2007	CLIMATO	410	Env Chem II:	CLINA	Ola a maila tun	2.5	Three hours lecture, one hour	110	1.5	Lastina
Fall 2007	CHM412	412	Solids	CHM	Chemistry	3.5	lab or field project.	UG	LE	Lecture

			Env Chem III:				Required laboratory for CHM			
Fall 2007	CHM412L	412L	Solids Lab	CHM	Chemistry	0	412.	UG	LB	Lab
							The practical applications of			
							various spectrophotometral			
							techniques (mass spectroscopy,			
							infrared spectroscopy, ultraviolet			
							spectroscopy, and nuclear			
							magnetic resonance) are			
							integrated for the elucidation of			
			Applied				the structure of organic			
			Chemical				molecules. A problem-solving			
Fall 2007	CHM417	417	Spectro	CHM	Chemistry	3	approach is used.	UG	LE	Lecture
							Literature searching of journals,			
							handbooks, abstracts, and			
							patents. Writing of literature			
			Chem Lit &				reports, abstracts, papers, and			
Fall 2007	CHM419	419	Comp	CHM	Chemistry	3	reports. Three lectures.	UG	LE	Lecture
	CHM419		Writing in							
Fall 2007	W	419W	CHM 419	CHM	Chemistry	0		UG	LB	Lab
							Principles and concepts of			
							inorganic chemistry including the			
							periodic table, atomic structure,			
							chemical bonding, coordination			
			Inorganic				compounds, and an introduction			
Fall 2007	CHM420	420	Chem	CHM	Chemistry	3	to group theory.	UG	LE	Lecture
							Principles and concepts of			
							inorganic chemistry including the			
							periodic table, atomic structure,			
							chemical bonding, coordination			
			Inorganic				compounds, and an introduction			
Fall 2007	CHM421	421	Chemistry	CHM	Chemistry	3	to group theory.	UG	LE	Lecture
							Advanced synthesis and			
			Adv Inorg Syn				characterization of			
Fall 2007	CHM425	425	& Charact	CHM	Chemistry	3	representative inorganic	UG	LE	Lecture

						Inducation to the other man			
						Introduction to the theory and			
						practice of modern chemical			
						instrumentation. Elementary			
						electronics, spectrophotometry,			
						atomic absorption, electro-			
						chemical techniques,			
			Instrumental			chromatography, and other			
Fall 2007	CHM435	435	Analysis	CHM	Chemistry	3 instrumental techniques.	UG	LE	Lecture
						Introduction to experimental			
						instrumental analysis. Practical			
						experience in the operation of			
						chemical instrumentation;			
			Instrumental			emphasizes applications of			
Fall 2007	CHM436	436	Analysis Lab	CHM	Chemistry	4.5 material presented in CHM 435.	UG	LB	Lab
						Fundamental principles of			
						electrochemistry and the			
						application of electrochemical			
			Electroanalytic			methods to chemistry and			
Fall 2007	CHM437	437	al Chem	CHM	Chemistry	3 chemical analysis.	UG	LE	Lecture
						Covers various chemical aspects			
						of drugs including synthetic			
						design, mode of action, and uses			
						of various pharmaceuticals.			
						Topics include cardiovascular			
						agents, antibiotics, anti-tumor			
			Syn Medicinal			agents, and central nervous			
Fall 2007	CHM440	440	Chem I	СНМ	Chemistry	3 system drugs.	UG	LE	Lecture
		1.15				Covers various chemical aspects			
						of drugs including synthetic			
						design, mode of action, and uses			
						of various pharmaceuticals.			
						Topics include cardiovascular			
						agents, antibiotics, anti-tumor			
			Syn Medicinal			agents, and central nervous			
Fall 2007	CHM441	441	Chem II	СНМ	Chemistry	3 system drugs.	UG	LE	Lecture
Fall 2007	CHM441	441	Chem II	СНМ	Chemistry	3 system drugs.	UG	LE	Lecture

							Study of the basic principles of			
							chemical toxicology. Chemicals			
							that have the greatest incidence of abuse are discussed in detail			
							with regard to their chemical-			
							biological interactions,			
			Chem				symptomatology of toxicity,			
			Toxicology I:				clinical chemistry tests, and			
Fall 2007	CHM443	443	Drugs	CHM	Chemistry	3	treatment.	UG	LE	Lecture
							Study of the basic principles of			
							chemical toxicology. Chemicals			
							that have the greatest incidence			
							of abuse are discussed in detail			
							with regard to their chemical-			
							biological interactions,			
			Chem				symptomatology of toxicity,			
			Toxicology II:				clinical chemistry tests, and			
Fall 2007	CHM444	444	Envir	CHM	Chemistry	3	treatment.	UG	LE	Lecture
							Advanced synthesis and			
							identification of organic			
			Adv Organ				compounds. One hour lecture,			
Fall 2007	CHM445	445	Syn & Charac	CHM	Chemistry	3	four hours lab.	UG	LE	Lecture
			Adv Org Syn				Required laboratory for CHM			
Fall 2007	CHM445L	445L	&Charac Lab	CHM	Chemistry	0	445.	UG	LB	Lab
							Theoretical aspects of chemistry			
							including thermodynamics,			
							chemical kinetics, molecular			
			Physical				structure and spectra, and the			
Fall 2007	CHM451	451	Chemistry	CHM	Chemistry		structure of solids and liquids.	UG	LE	Lecture
							Theoretical aspects of chemistry			
							including thermodynamics,			
							chemical kinetics, molecular			
			Physical				structure and spectra, and the			
Fall 2007	CHM452	452	Chemistry	СНМ	Chemistry		structure of solids and liquids.	UG	LE	Lecture

						Theoretical aspects of chemistry including thermodynamics,			
						chemical kinetics, molecular			
			Physical			structure and spectra, and the			
Fall 2007	CHM453	453	Chemistry	CHM	Chemistry	3 structure of solids and liquids.	UG	LE	Lecture
						An introduction for nonchemistry			
						majors to the ideas of physical			
						chemistry, including			
						thermodynamics, properties of			
						liquids and solids, solution			
						properties, and kinetics.			
						Intended for biologists,			
						geologists, physicists, premedical			
			Phys Chm-			students and others with an			
Fall 2007	CHM456	456	Nonchemists	CHM	Chemistry	4 interest in physical chemistry.	UG	LE	Lecture
			Physical Chm			Experimental methods of			
Fall 2007	CHM457	457	Lab I	CHM	Chemistry	3 physical chemistry.	UG	LB	Lab
	CHM457		Writing in						
Fall 2007	W	457W	CHM 457	СНМ	Chemistry	0	UG	LB	Lab
			Physical						
E !! 0007	0111111	450	Chemistry Lab	0.114		Experimental methods of		. 5	
Fall 2007	CHM458	458	II	CHM	Chemistry	physical chemistry.	UG	LB	Lab
F - II 0007	CHM458	45014	Writing in Phy	OL IN A	01		110		1 -1-
Fall 2007	W	458W	Chem Lab II	СНМ	Chemistry		UG	LB	Lab
						Step-growth and chain-growth			
						polymerization in homogeneous			
			Cunthatia			and heterogeneous media;			
Fall 2007	CHM461	461	Synthetic	СНМ	Chamistry	properties of commercial polymers.	UG	LE	Looturo
Fall 2007	CHIVI46 I	401	Polymer Chm	CHIVI	Chemistry	Introduction to the structural	UG	LE	Lecture
						and physical aspects of			
						macromolecules; emphasis on			
						the relationship of polymer			
			Physical			structure to physical and			
Fall 2007	CHM465	465	Polymer Chm	СНМ	Chemistry	3 mechanical properties.	UG	LE	Lecture
1 411 2007	OI IIVI403	703	Physical	OI IIVI	OHEITIISH Y	Laboratory illustrations of CHM	00	LL	Lecture
			Polymer Chm			465 lecture material and			
Fall 2007	CHM467	467	Lab	СНМ	Chemistry	1 techniques of polymer science.	UG	LB	Lab
. an 2007	OI IIVITO/	107	200	J1 11V1	orioniisti y	Troomingues of polymor solution.	50	בט	Lub

							Laboratory illustrations of CHM			
			Polymer				461 lecture material and			
Fall 2007	CHM468	468	Synthesis Lab	CHM	Chemistry	1	techniques of polymer science.	UG	LB	Lab
							(Also listed as ME 489.)			
							Properties and manufacturing			
							processes of engineering			
							plastics, and effects of these			
							factors on plastics design.			
			Engineering				Illustrative laboratory projects			
Fall 2007	CHM469	469	Plastics	CHM	Chemistry		are included. Two hours lecture,	UG	LE	Lecture
			Engineering				Required laboratory for CHM			
Fall 2007	CHM469L	469L	Plastics Lab	CHM	Chemistry		469.	UG	LB	Lab
							Methodology and techniques in			
			Chemical				the determination of crystal and			
			Crystallograph				molecular structures using single-			
Fall 2007	CHM472	472	у	CHM	Chemistry	4	crystal x-ray diffraction.	UG	LE	Lecture
							(Also listed as ME 479.) Survey			
							of principles of corrosion			
							processes with application to			
			Materials				metallic and nonmetallic			
Fall 2007	CHM479	479	Corrosion	CHM	Chemistry	4	materials. Principles of electro-	UG	LE	Lecture
			Independent							Independe
Fall 2007	CHM488	488	Reading	CHM	Chemistry	1		UG	IS	nt Study
			Special Prob in							
Fall 2007	CHM499	499	Chem	CHM	Chemistry	1		UG	LE	Lecture
							Students study water, air, and			
							soil chemistry, including			
							pollutants added to these			Lecture/La
							environments and how they			b
			Environmental				interact to create environmental			Combinatio
Fall 2007	CHM502	502	Chem	CHM	Chemistry	4	problems. 3 hours lecture, 3	GR	LL	n
							Introduction to chemical			
							methods of analysis covering			
							traditional as well as modern			
							techniques and equipment;			
			Quantitative				emphasis on calculations and			
Fall 2007	CHM512	512	Analysis	CHM	Chemistry	3	interpretation of analytical data.	GR	LE	Lecture

						Experimental methods of			
						analysis. Practical applications of			
			Quantitative			the lecture material presented in			
Fall 2007	CHM514	514	Analysis Lab	CHM	Chemistry	4.5 CHM 512.	GR	LB	Lab
						Principles and concepts of			
						inorganic chemistry, including			
						the periodic table, atomic			
						structure, bonding, coordination			
			Adv Inorganic			compounds, and an introduction			
Fall 2007	CHM520	520	Chemistry I	CHM	Chemistry	3 to group theory.	GR	LE	Lecture
						A thorough examination of the			
						chemistry of the metals stressing			
						the transition elements, ligand			
			Inorganic			field theory and mechanisms of			
Fall 2007	CHM521	521	Chemistry	CHM	Chemistry	3 inorganic reactions.	GR	LE	Lecture
						Advanced synthesis and			
						characterization of			
			Adv Inorg Syn			representative inorganic			
Fall 2007	CHM525	525	& Charact	CHM	Chemistry	3 compounds. 1 hour lecture, 4	GR	LE	Lecture
			Adv Inorg			Required laboratory for CHM			
Fall 2007	CHM525L	525L	Syn&Char Lab	CHM	Chemistry	0 525.	GR	LB	Lab
						Introduction to the theory and			
						practice of modern chemical			
						instrumentation. Topics include			
						elementary electronics,			
						spectrophotometry, atomic			
						absorption, electrochemical			
			Instrumental			techniques, chromatography,			
Fall 2007	CHM535	535	Analysis	CHM	Chemistry	3 and other instrumental	GR	LE	Lecture
						Introduction to experimental			
						instrumental analysis. Practical			
						experience in the operation of			
						chemical instrumentation;			
			Instrumental			emphasizes applications of the			
Fall 2007	CHM536	536	Analysis Lab	CHM	Chemistry	4.5 material presented in CHM 535.	GR	LB	Lab

			Adv. Once Cure 0				Advanced synthesis and identification of organic			
Fall 2007	CHM545	545	Adv Org Syn & Charact	СНМ	Chemistry	2	compounds. 1 hour lecture, 4 hours lab.	GR	LE	Lecture
Fall 2007	CHIVID45	343	Adv Org Syn &	CHIVI	Chemistry	3	Required laboratory for CHM	GK	LE	Lecture
Fall 2007	CHM545L	545L	Char Lab	СНМ	Chemistry	0	545.	GR	LB	Lab
1 all 2007	CHIVISASE	J4JL	Cital Lab	CHIW	Chemistry		Theoretical aspects of chemistry	GIX	LD	Lab
							including thermodynamics,			
							chemical kinetics, molecular			
			Physical				structure and spectra, and the			
Fall 2007	CHM551	551	Chemistry	СНМ	Chemistry	3	structure of solids and liquids.	GR	LE	Lecture
1 411 2007	OI IIVIOO I	331	CHCHIISTI Y	OTTIVI	Chemistry		Theoretical aspects of chemistry	OIX	LL	Lecture
							including thermodynamics,			
							chemical kinetics, molecular			
			Physical				structure and spectra, and the			
Fall 2007	CHM552	552	Chemistry	СНМ	Chemistry	3	structure of solids and liquids.	GR	LE	Lecture
							Theoretical aspects of chemistry			
							including thermodynamics,			
							chemical kinetics, molecular			
			Physical				structure and spectra, and the			
Fall 2007	CHM553	553	Chemistry	CHM	Chemistry	3	structure of solids and liquids.	GR	LE	Lecture
							An introduction for nonchemistry			
							majors to the ideas of physical			
							chemistry, including			
							thermodynamics, properties of			
							liquids and solids, solution			
							properties, and kinetics.			
							Intended for biologists,			
							geologists, physicists, premedical			
			Physical				students and others with an			
Fall 2007	CHM556	556	Chemistry	CHM	Chemistry	4	interest in physical chemistry.	GR	LE	Lecture
			Physical							
			Chemistry Lab				Experimental methods of			
Fall 2007	CHM557	557	I	CHM	Chemistry	3	physical chemistry.	GR	LB	Lab
			Physical							
			Chemistry Lab				Experimental methods of			
Fall 2007	CHM558	558	П	CHM	Chemistry	3	physical chemistry.	GR	LB	Lab

							Molecular structure,			
							stereochemistry, properties, and			
							reactivities of selected organic			
							substances of industrial			
							importance including fuels,			
							lubricants, solvents, coatings,			
			Org Chem of				plastics, dyes, and naturally			
Fall 2007	CHM561	561	Egr Mat	CHM	Chemistry	4	occurring engineering materials.	GR	LE	Lecture
			Independent							Independe
Fall 2007	CHM588	588	Reading	CHM	Chemistry	1		GR	IS	nt Study
			Special							
			Problems in							
Fall 2007	CHM599	599	Chem	CHM	Chemistry	1		GR	LE	Lecture
							Environmental sampling and			
							analysis using instrumental			
							techniques. Chemical fate			
							prediction by measurement and			Lecture/La
							examination of physical and			b
			Adv Environ				chemical properties. 3 hours			Combinatio
Fall 2007	CHM602	602	Chm & Analy	CHM	Chemistry	4	lecture, 3 hours lab.	GR	LL	n
							A study of the earth's			
							atmosphere including its normal			
							composition and atmospheric			
							reactions with emphasis on the			
							nature, causes, effects,			
			Environmental				detection, and abatement of			
Fall 2007	CHM610	610	Chem I: Air	CHM	Chemistry	3.5	various types of air pollution. 2	GR	LE	Lecture
			Environ Chem				Required laboratory for CHM			
Fall 2007	CHM610L	610L	I: Air Lab	CHM	Chemistry	0	610.	GR	LB	Lab
							A study of the earth's fresh and			
							saline water including its normal			
							composition and aquatic			
							reactions with emphasis on the			
							nature, causes, effects,			
							detection, and abatement of			
			Environment				various types of water pollution.			
Fall 2007	CHM611	611	Chm II: Water	CHM	Chemistry	3.5	2 lectures and lab or field	GR	LE	Lecture

			Environ Chm				Required laboratory for CHM			
Fall 2007	CHM611L	611L	II: Water Lab	CHM	Chemistry	0	611.	GR	LB	Lab
							Study of the problems of solid			
							wastes, pesticides, food			
							additives, and radioactive			
							materials, including their			
							chemical composition, effects,			
							detection, disposal, and natural			
			Environ Chm				breakdown. 2 hours lecture, 3			
Fall 2007	CHM612	612	III: Solids	CHM	Chemistry	3.5	hours lab or field project.	GR	LE	Lecture
			Env Chem III:				Required laboratory for CHM			
Fall 2007	CHM612L	612L	Solids Lab	CHM	Chemistry	0	612.	GR	LB	Lab
							Practical applications of various			
							spectrophotometral techniques			
							(mass spectroscopy, infrared			
							spectroscopy, ultraviolet			
							spectroscopy, and nuclear			
							magnetic resonance) are			
							integrated for the explanation of			
			Applied				the structure of organic			
			Chemical				molecules. A problem-solving			
Fall 2007	CHM617	617	Spectro	CHM	Chemistry	3	approach is used.	GR	LE	Lecture
							A quarter course on a selected			
							topic in the field of inorganic			
							chemistry, such as the reactions			
							of substances in non-aqueous			
							solvents, metal chelate			
							compounds, inorganic reaction			
							mechanisms, ligand field theory,			
			Inorganic				or the chemistry of the			
Fall 2007	CHM625	625	Preparations	CHM	Chemistry	3	lanthanides and actinides.	GR	LB	Lab
							Fundamental principles of			
							electrochemistry and the			
							application of electrochemical			
			Electroanalytic				methods to chemistry and			
Fall 2007	CHM637	637	al Chem	CHM	Chemistry	3	chemical analysis.	GR	LE	Lecture

						V			
						Various chemical aspects of			
						drugs including the synthetic			
						design, mode of action, and uses			
						of various pharmaceuticals.			
ĺ						Topics include cardiovascular			
			Syn Medicinal			agents, antibiotics, antitumor			
Fall 2007	CHM640	640	Chem I	CHM	Chemistry	agents, and central nervous	GR	LE	Lecture
						The detailed description of			
						conformers, geometrical and			
						optical isomers and their effects			
			Syn Medicinal			on molecular stability and			
Fall 2007	CHM641	641	Chem II	CHM	Chemistry	3 reaction mechanisms.	GR	LE	Lecture
						Study of the basic principles of			
						chemical toxicology. Chemicals			
						that have the greatest incidence			
						of abuse are discussed in more			
						detail with regard to their			
						chemical-biological interactions,			
			Chem			symptomatology of toxicity,			ļ
			Toxicology:			clinical chemistry tests, and			
Fall 2007	CHM643	643	Drugs	CHM	Chemistry	3 treatment.	GR	LE	Lecture
						A study of the basic principles of			
						chemical toxicology. Chemicals			
						which have the greatest			
						incidence of abuse are discussed			
						in more detail with regard to			
						their chemical-biological			
			Chem			interactions, symptomatology of			
			Toxicology II:			toxicity, clinical chemistry tests			
Fall 2007	CHM644	644	Envir	СНМ	Chemistry	3 and treatment.	GR	LE	Lecture

							Basic fundamental concerns of			
							chemistry for early childhood			
							3			
							education majors. Those			
							concrete observable topics most			
							appropriate for early childhood			
							education minors will be			
							emphasized. Course includes an			
			Concepts in				in-depth study of heat and			
Fall 2007	CHM645	645	Chem - MST	CHM	Chemistry	4	temperature.	GR	LE	Lecture
							Concepts in chemistry II is for			
							graduate students in middle			
							childhood science education			
							(MST Program). Course includes			
							detailed study of chemical			
							reactions, kinetics,			
							environmental issues,			
							acids/bases, and nuclear			
							chemistry. Portfolio development			
			Concepts in				will be utilized for students to			
Fall 2007	CHM650	650	Chemistry II	СНМ	Chemistry	4.5	learn the development of inquiry	GR	LE	Lecture
							(Also listed as BMS 726.) Step-			
							growth and chain-growth			
							polymerization in homogeneous			
							and heterogeneous media;			
			Synthetic				properties of commercial			
Fall 2007	CHM661	661	Polymer Chm	СНМ	Chemistry	3	polymers.	GR	LE	Lecture
					,		(Also listed as BMS 725.)			
							Introduction to the structural			
							and physical aspects of			
							macromolecules; emphasis on			
							the relationship of polymer			
			Physical				structure to physical and			
Fall 2007	CHM665	665	Polymer Chm	СНМ	Chemistry	2	mechanical properties.	GR	LE	Lecture
1 all 2007	CHIVIOUS	000	rolymer chim	CHIVI	CHEITIISH Y	ა	(Also listed as BMS 727.)	GK	LE	Lecture
			Dhyoigal				Laboratory illustrations of CHM			
			Physical Chara				665 lecture material and			
F-II 2007	CLIMACCE		Polymer Chem	CLINA	Chamaiatm	4	techniques of polymer science.	CD	LD	l ala
Fall 2007	CHM667	667	Lab	CHM	Chemistry	1	Corequisite: CHM 665.	GR	LB	Lab

						Laboratory illustrations of CHM			
			Polymer			661 lecture material and			
Fall 2007	CHM668	668	Synthesis Lab	CHM	Chemistry	1 techniques of polymer science.	GR	LB	Lab
						(Also listed as ME 689.)			
						Properties and manufacturing			
						processes of engineering plastics			
						and the effect of these factors			
						on plastics design. Illustrative			
			Egr Plas: Mat			laboratory projects are included.			
Fall 2007	CHM669	669	& Des	CHM	Chemistry	4 2 hours lecture, 4 hours lab.	GR	LE	Lecture
			Egr Plas: Mat			Required laboratory for CHM			
Fall 2007	CHM669L	669L	Proc & Des L	CHM	Chemistry	0 669.	GR	LB	Lab
						More advanced methods of			
			Crystal Struct			crystal analysis. Basic			
Fall 2007	CHM672	672	Analysis I	CHM	Chemistry	4 crystallographic computations.	GR	LE	Lecture
						A survey of principles of			
						corrosion processes with			
						application to metallic and non-			
			Materials			metallic materials. Principles of			
Fall 2007	CHM679	679	Corrosion	CHM	Chemistry	4 electrochemistry are included.	GR	LE	Lecture
					_	Selected topics in chemical			
						education. Directed readings or			
						one-time offerings of topics			
						related to the teaching of			
						chemistry at various levels using			
						different Pedagogical			
			Chemistry for			approached. May include			
Fall 2007	CHM698	698	Ed Majors	CHM	Chemistry		GR	LE	Lecture
			-			Survey of available instructional			
						materials and discussion of			
						educational theory and			
			Prin			techniques leading to more			
			Instruction			effective instruction. For			
Fall 2007	CHM700	700	Chem	CHM	Chemistry	3 chemistry majors only.	GR	LE	Lecture

						Chille are developed to predict			
						Skills are developed to predict behavior and movement of			
						chemical contaminants in			
						atmospheric, aquatic, and soil			
						systems. Physical and chemical			
						properties of contaminants and			
			Chem			environmental interactions are			
			Processes in			evaluated to determine their			
Fall 2007	CHM718	718	Environ	CHM	Chemistry	3 ultimate fate.	GR	LE	Lecture
						(Also listed as BMS 733.) Study			
						of the modern theories of			
			Adv Inorganic			valence, structural inorganic			
Fall 2007	CHM720	720	Chemistry I	CHM	Chemistry	3 chemistry, and the chemistry of	GR	LE	Lecture
						(Also listed as BMS 734.)			
						Thorough examination of the			
						chemistry of metals stressing the			
						transition elements, ligand field			
			Adv Inorganic			theory, and mechanisms of			
Fall 2007	CHM721	721	Chem II	CHM	Chemistry	3 inorganic reactions.	GR	LE	Lecture
						(Also listed as BMS 735.) Survey			
						of the applications of physical			
			Adv Inorganic			methods in the examination of			
Fall 2007	CHM722	722	Chem III	СНМ	Chemistry	3 inorganic compounds.	GR	LE	Lecture
Fall 2007	CHM728	728	Photobiology	СНМ	Chemistry	3	GR	LE	Lecture
						Introduction to the theory and			
						practice of modern chemical			
						instrumentation; elementary			
						electronics, spectrophotometry,			
						atomic absorption,			
						electrochemical techniques,			
			Instrumentatio			chromatography, and other			
Fall 2007	CHM730	730	n	CHM	Chemistry	3 instrumental techniques.	GR	LE	Lecture

							A selected topic in the field of			
							analytical chemistry such as			
							chromatography,			
							electroanalytical chemistry such			
							as trace analysis, bioanalytical			
							chemistry, advanced			
			Analytical				instrumental analysis, analytical			
Fall 2007	CHM735	735	Chemistry	СНМ	Chemistry	3	spectroscopy, or separation	GR	LE	Lecture
							Study of molecular orbital			
							theory, reactive species, theories			
			Struct Concept				of acids and bases, and an			
Fall 2007	CHM744	744	Organ Chem	СНМ	Chemistry	3	introduction to stereochemistry.	GR	LE	Lecture
			J				Discussion of the more important			
			Elements				organic reactions including their			
			Organic				scope, limitations, and			
Fall 2007	CHM746	746	Reaction	СНМ	Chemistry	3	mechanisms.	GR	LE	Lecture
							Systematic treatment of organic			
							reactions including, where			
							applicable, some theoretical			
			Synthetic				basis for the nature of the			
			Organ				reaction. Emphasis on the uses			
Fall 2007	CHM748	748	Reactions	CHM	Chemistry	3	of these reactions in organic	GR	LE	Lecture
							Introduction to the ideas and			
							mathematical techniques of			
			Intro-				quantum theory, including			
			Quantum				applications to some simple			
Fall 2007	CHM750	750	Chemistry	CHM	Chemistry	3	chemical systems.	GR	LE	Lecture
							(Also listed as BMS 736.)			
							Characterization of simple kinetic			
							systems, experimental methods,			
							energy distributions in			
			Chemical				molecules, the transition state			
Fall 2007	CHM751	751	Kinetics	CHM	Chemistry	3	method, and chain reactions in	GR	LE	Lecture
							Fundamentals of chemical			
							thermodynamics; first, second,			
			Thermodynam				and third laws; applications to			
Fall 2007	CHM752	752	ics	CHM	Chemistry	3	solutions.	GR	LE	Lecture

						An in depth treatment of ionic			
						equilibria. Topics include			
						pertinent mathematical			
						operations used in equilibrium			
						calculations. Chemical systems			
						discussed will include strong and			
						weak acids and bases, polyprotic			
						as well as monoprotic acids and			
						bases, precipitation complex			
			Chemical			formation and oxidation-			
Fall 2007	CHM760	760	Equilibrium	CHM	Chemistry	3 reduction equilibria.	GR	LE	Lecture
						Survey of the more popular and			
						useful modern analytical			
						methods. Topics include			
						separation techniques, selective			
						ion electrodes, spectroscopy,			
						electrochemistry, mathematical			
						techniques of data optimization,			
			Advanced			methods of sample preparation,			
			Analytical			precipitate formation, and			
Fall 2007	CHM761	761	Chem	СНМ	Chemistry	3 organic analytical reagents.	GR	LE	Lecture
						Current topics in mass			
						spectrometry are discussed with			
						emphasis on theory and state-of-			
			Mass			the-art instrumentation and			
Fall 2007	CHM762	762	Spectrometry	СНМ	Chemistry	3 ionization methods.	GR	LE	Lecture
					, ,	Theory of separations techniques	3		
						are reviewed. The two			
						techniques of gas and liquid			
						chromatography are discussed			
			Analytical			with emphasis in column			
Fall 2007	CHM763	763	Separations	СНМ	Chemistry	3 technology, inlet systems and	GR	LE	Lecture
			Continuing			33.			Independe
Fall 2007	CHM789	789	Registration	СНМ	Chemistry	1	GR	IS	nt Study
Fall 2007	CHM800	800	Seminar	СНМ	Chemistry	0	GR	SE	Seminar
1 dil 2007	OI IIVIOOO	000	Jonna	OTTIVI	oriennian y	U	UIV	JL	Jerrinai

						A quarter course on a selected			
						topic in the field of inorganic			
						chemistry, such as the reactions			
						of substances in nonaqueous			
						solvents, metal chelate			
						compounds, inorganic reaction			
						mechanisms, ligand field theory,			
			Select Topic			or the chemistry of the			
Fall 2007	CHM825	825	Inorgan Chem	СНМ	Chemistry	3 lanthanides and actinides.	GR	LE	Lecture
			9			An examination of the theores			
						and practices of N.M.R. and			
						E.P.R. including examples of			
						their applications to structural			
			Nucl & Elect			and kinetic studies of both			
Fall 2007	CHM830	830	Mag Res Spec	CHM	Chemistry	3 organic and inorganic molecules.	GR	LE	Lecture
						The chemistry and properties of			
						high polymers including the			
						organic chemistry of their			
			Organic Chen			preparation and the kinetics of			
Fall 2007	CHM842	842	High Polymer	CHM	Chemistry	3 polymerization.	GR	LE	Lecture
						A selected topic in the field of			
						organic chemistry, such as			
						organic spectroscopy,			
						heterocyclic chemistry,			
			Select Topic			organometallic chemistry, and			
Fall 2007	CHM845	845	Organic Chem	CHM	Chemistry	3 the chemistry of natural	GR	LE	Lecture
						Principles and applications of			
						quantum theory to chemical			
						problems. Electronic structure of			
						molecules and its correlation			
			Quantum			with the chemical and physical			
Fall 2007	CHM850	850	Chem	CHM	Chemistry	3 properties of substances.	GR	LE	Lecture

			Stat Thermodynam			Definition of partition function; translational, rotational, vibrational, and electronic partition functions and their calculation and application to thermodynamic problems. Calculation of thermodynamic functions from spectroscopic			
Fall 2007	CHM851	851	ics	СНМ	Chemistry	3 information. Introduction to group theory stressing its application in the areas of hybridization schemes, molecular orbitals, ligand field	GR	LE	Lecture
Fall 2007	CHM853	853	Group Theory Select Topic	СНМ	Chemistry	3 theory, and spectroscopy. (Also listed as BMS 738.) A selected topic in the field of physical chemistry such as molecular spectroscopy, advanced molecular structure, magnetic resonance, X-rays, crystal structure, statistical mechanics, and precision	GR	LE	Lecture
Fall 2007	CHM855	855	Phys Chem	СНМ	Chemistry	3 physical-chemical	GR	LE	Lecture Independe
Fall 2007	CHM899	899	Research	СНМ	Chemistry Clinical Laborator	1 Research for the thesis. Theory and technique for obtaining blood specimens, including application of responsibilities associated with blood drawing in a clinical laboratory. Course spans two quarters. Graduates are eligible	GR	IS	nt Study
Fall 2007	CL150	150	Phlebotomy	CL	y Science	5 for national certification by	UG	LE	Lecture

						Provide students with an			
						overview of the programs and			
						career options in Biology, Clinical			
					Clinical	Laboratory Science, Exercise			
			Careers in EH,		Laborator	Biology and Environmental			
Fall 2007	CL194	194	EXB, CL	CL	y Science	1 Health Science.	UG	LE	Lecture
						Theory and application of lab			
						safety, universal precautions,			Lecture/La
					Clinical	specimen collection, quality			b
			Orient Clinical		Laborator	assurance, and other techniques			Combinatio
Fall 2007	CL420	420	Lab Sci	CL	y Science	2 fundamental to clinical	UG	LL	n
						Principles of education,			
						laboratory management			
						compuser application and			
					Clinical	completion and presentation of a			
			Laboratory		Laborator	scientific project (includes one			
Fall 2007	CL422	422	Management	CL	y Science	2 week clinical rotation).	UG	LE	Lecture
					Clinical				
			Clinical		Laborator	Correlation of clinical findings			
Fall 2007	CL423	423	Pathology Sem	CL	y Science	2 through case studies.	UG	SE	Seminar
						Study of body fluids, including			
						the pathophysiology of their			
						formation and the biochemical			Lecture/La
					Clinical	and morphologic methods used			b
			Urine/Body		Laborator	to obtain diagnostic information.			Combinatio
Fall 2007	CL431	431	Fluid Analys	CL	y Science	3 Lecture and laboratory.	UG	LL	n
						Theory and application of			
						principles of hematology,			
						including hematopoiesis,			
						counting and identification of			Lecture/La
					Clinical	cells in the peripheral blood, and			b
					Laborator	the use of cellular morphology to			Combinatio
Fall 2007	CL441	441	Hematology	CL	y Science	4 diagnose disease. Lecture and	UG	LL	n
						Advanced topics in hematology			
						with an emphasis on the			
					Clinical	diagnosis and treatment of			
			Advanced		Laborator	anemias, myelodysplastic and			
Fall 2007	CL442	442	Hematology	CL	y Science	2 myeloproliferative disorders.	UG	LE	Lecture

					Clinical	Practical application of			
			Hematology		Laborator	hematology techniques at clinical			
Fall 2007	CL443	443	Practicum	CL	y Science	5 site.	UG	LE	Lecture
						Principles of hemostasis involved			
						in blood vessel contraction,			
						platelet activation and formation,			
						and activation of coagulation			
						factors, and their use in			Lecture/La
					Clinical	diagnosing coagulation defects			b
			Principles of		Laborator	and monitoring anticoagulant			Combinatio
Fall 2007	CL451	451	Hemostasis	CL	y Science	2 therapy. Lecture and laboratory.		LL	n
						Theory and application of human			
						biochemistry and principles of			Lecture/La
					Clinical	chemistry techniques used in the			b
			Clinical		Laborator	analysis of blood and other body			Combinatio
Fall 2007	CL461	461	Chemistry	CL	y Science	4 fluids. Lecture and laboratory.	UG	LL	n
						Study of endocrine system,			
						inborn errors of metabolism,			
						toxicology, the role of tumor			
					Clinical	markers in cancer diagnosis and			
			Adv Clinical		Laborator	management, and other		l	
Fall 2007	CL462	462	Chemistry	CL	y Science	3 advanced topics in clinical	UG	LE	Lecture
					Clinical	Practical application of clinical			
E 11 0007	01.440	4.4.0	Chemistry		Laborator	chemistry techniques at clinical		55	
Fall 2007	CL463	463	Practicum	CL	y Science	5 site.	UG	PR	Practicum
						Study of media composition and			
						selection, biochemical techniques	5		
						used to identify bacteria and			
						related physiology, antibiotic			
						susceptibility of bacteria and			Lecture/La
					Clinical	discussion and identification of			b
			Diagnostic		Laborator	parasites. Lecture and			Combinatio
Fall 2007	CL471	471	Micriobiology	CL	y Science	5 laboratory.	UG	LL	n

							Study of characteristics,			
							pathophysiologic mechanisms			
							and identification of chyamydia,			
							fungi, viruses and other			
					Clinical		organisms and the methods used			
			Adv Diagnos		Laborator		to diagnose and treat related			
Fall 2007	CL472	472	Microbiology	CL	y Science	2	diseases. Lecture only.	UG	LE	Lecture
					Clinical		Practical application of			
			Microbiology		Laborator		microbiology techniques at			
Fall 2007	CL473	473	Practicum	CL	y Science	5	clinical site.	UG	PR	Practicum
							Study of antigens and the			
							stimulation of antibodies in vivo,			
							and the use of these reactions to			
							perform in vitro testing to			Lecture/La
					Clinical		diagnose and monitor the course			b
			Immunology/S		Laborator		of disease. Lecture and			Combinatio
Fall 2007	CL481	481	erology	CL	y Science	4	laboratory.	UG	LL	n
							Theory and application of			
							immunology; specifically the use			
					Clinical		of antigens and antibodies in			
			Immunohemat		Laborator		blood grouping and transfusion			
Fall 2007	CL491	491	ology	CL	y Science	3	medicine.	UG	LE	Lecture
							Advanced topics in transfusion			
							medicine, including immune			
							hemolytic anemias, paternity			
							testing, component therapy, HLA			
							antigens, quality assurance and			
			Advanced		Clinical		the role of regulatory agencies in			
			Immunohemat		Laborator		the practice of transfusion			
Fall 2007	CL492	492	ology	CL	y Science	2	medicine. Lecture only.	UG	LE	Lecture
					Clinical		Practical application of			
			Transfusion		Laborator		transfusion medicine techniques			
Fall 2007	CL493	493	Practicum	CL	y Science	4	at clinical site.	UG	PR	Practicum

						Builds English vocabulary			
						through a study of Latin and			
						Greek roots. Emphasis on words			
						used commonly in higher			
			Latin & Greek			education rather than on			
Fall 2007	CLS100	100	Roots in En	CLS	Classics	4 specialized terminology.	UG	LE	Lecture
Fall 2007	CL3100	100	ROOLS III EII	CLS	Classics	Spelling, recognition, and	UG	LE	Lecture
						understanding contemporary			
						specialized medical and scientific			
						vocabulary that is based on the			
						Latin and Greek languages.			
	01.04.04	404	Medical & Sci	01.0		Emphasis on terminology of the		. –	
Fall 2007	CLS101	101	Terminology	CLS	Classics	4 medical sciences.	UG	LE	Lecture
						Survey of the development of			
						classical culture from prehistoric			
						Greece to the fall of the Roman			
						Empire. A broad view of the			
						interrelated political, economic,			
						and social conditions, and			
			Greek and			philosophy, religion, mythology,			
Fall 2007	CLS150	150	Roman Culture	CLS	Classics	4 literature, art, and architecture.	UG	LE	Lecture
						Survey of the myths and legends			
						of ancient Greece and Rome that			
						are an important part of the			
			Intro to			Western literary and cultural			
			Classical			tradition. Emphasis on story			
Fall 2007	CLS160	160	Mythology	CLS	Classics	3 patterns and characters.	UG	LE	Lecture
						Reading, discussion, analysis of			
						selected texts from ancient			
						Greece and Rome; for example,			
			Great			the works of Homer, Sophocles,			
Fall 2007	CLS204	204	Books:Classics	CLS	Classics	4 Plato, Virgil, Cicero, Horace.	UG	LE	Lecture
			Writing in CLS	-		Required writing component for	-		
Fall 2007	CLS204W	204W	204	CLS	Classics	0 CLS 204.	UG	LB	Lab

			Intro to				A survey of the myths and legends of ancient Greece and Rome which are an important part of the Western literary and cultural tradition. The emphasis will be on story patterns and			
Fall 2007	CLS260	260	Classical Mthol	CLS	Classics	4	characters.	UG	LE	Lecture
Fall 2007	CLS260W	260W	Writing in CLS 260	CLS	Classics	0		UG	LB	Lab
Fall 2007	CLS300	300	How We Know Antiquity	CLS	Classics		How do we know what we think we know about classical antiquity? Study of the different types of evidence and of ways in which this evidence is analyzed, handled, and interpreted by scholars.	UG	LE	Lecture
			Golden Age of				Greek experience in fifth and fourth centuries B.C. with emphasis on Athenian democracy and the Golden Age of Athens: drama, history,			
Fall 2007	CLS310	310	Greece Rome: Republic &	CLS	Classics		oratory, and philosophy. Emphasis on late republic and early empire, particularly the Augustan age. The idealism of Virgil and Lucretius; the realism	UG	LE	Lecture
Fall 2007	CLS320	320	Empire Studies in	CLS	Classics	4	of Cicero, Sallust, and Tacitus. Drama, epic, and lyric poetry; prose; selected themes in	UG	LE	Lecture
Fall 2007	CLS330	330	Ancient Lit	CLS	Classics	4	ancient literature; and literary	UG	LE	Lecture
Fall 2007	CLS330W	330W	Writing in CLS 330	CLS	Classics		Required writing component for CLS 330.	UG	LB	Lab
Fall 2007	CLS340	340	Ancient Art & Archaeology	CLS	Classics		(Also listed as ART 411.) Greece in the Bronze Age; classical Greece and Rome; and selected areas of Greek and Roman archaeology.	UG	LE	Lecture

							Greek and Roman civilization with evidence from art,			
			Ancient				literature, archaeology, law, and			
Fall 2007	CLS350	350	Culture & Soc	CLS	Classics	4	other sources.	UG	LE	Lecture
							Greek and Roman mythology;			
							aspects and approaches to the			
							study of myths; and			
			Studies: Ancien				archaeological and nonliterary			
Fall 2007	CLS360	360	t Mythology	CLS	Classics	4	sources.	UG	LE	Lecture
							Law and legal systems of Greece			
							and Rome; government and			
			Studies:Ancnt:				administration; and political			
Fall 2007	CLS370	370	Law/Gov/Pol	CLS	Classics	4	problems of the ancient world.	UG	LE	Lecture
			Writing in CLS				Required writing component for			
Fall 2007	CLS370W	370W	370	CLS	Classics	0	CLS 370.	UG	LB	Lab
			Studies-				Course of variable content			
			Selected				dealing with problems,			Independe
Fall 2007	CLS399	399	Subjects	CLS	Classics	1	approaches, and topics in the	UG	IS	nt Study
							Literature, mythology, law and			
							government, art and			
							archaeology, culture and society.			
			Adv Studies in				Students must consult			
Fall 2007	CLS410	410	Antiquity	CLS	Classics	4	Department of Classics before	UG	LE	Lecture
							Directed studies in literature,			
							mythology, archaeology, law,			
			Independent				and government. For classical			Independe
Fall 2007	CLS481	481	Reading	CLS	Classics		humanities majors only.	UG	IS	nt Study
Fall 2007	CLS481W	481W	Writing in CLS	CLS	Classics	0		UG	LB	Lab
							Required of majors in the			
							classics, Greek, or Latin.			
							Independent study and review			
							leading to comprehensive			
			Sr				examination based on the course			
			Comprehensiv			_	work undertaken by each			Independe
Fall 2007	CLS499	499	e Review	CLS	Classics	2	individual student.	UG	IS	nt Study

		1		1		0			
						Course offers a variety of topics			
						including drama, epic, and lyric			
						poetry; prose; selected themes			
			Studies in			in ancient literature; and literary			
Fall 2007	CLS530	530	Ancient Lit	CLS	Classics	4 criticism.	GR	LE	Lecture
						(Also listed as ART 611.) Greece			
						in the Bronze Age; classical			
						Greece and Rome; and selected			
			Ancient Art &			areas of Greek and Roman art			
Fall 2007	CLS540	540	Archeology	CLS	Classics	4 and archaeology.	GR	LE	Lecture
						Greek and Roman civilization			
			Ancient			with evidence from art,			
			Culture &			literature, archaeology, law, and			
Fall 2007	CLS550	550	Society	CLS	Classics	4 other sources.	GR	LE	Lecture
						Greek and Roman mythology;			
						aspects and approaches to the			
			Studies: Ancien			study of myth; archaeological			
Fall 2007	CLS560	560	t Mythology	CLS	Classics	4 and nonliterary sources.	GR	LE	Lecture
						Political problems of the ancient			
			Studies:Ancnt:			world; law and legal systems;			
Fall 2007	CLS570	570	Law/Gov/Pol	CLS	Classics	4 and government and	GR	LE	Lecture
						An intensive, short-term study of			
						a particular aspect of Classical			
						Antiquity, which may include			
			Spec Projects			matters of methodology or			
Fall 2007	CLS600	600	in Classics	CLS	Classics	1 pedagogy. Titles vary.	GR	SE	Seminar
			Student						
			Initiated		Communit				
Fall 2007	CMH600	600	Elective	CMH	y Health	2	MD	OT	Other
						Presents basic statistical			
						measures with emphasis on			
						biomedical problems. Includes			
						sampling techniques, making			
						valid inferences and estimations,			
						and testing hypotheses. Practice			
						in use of calculations and			
					Communit	preparation of data for machine			
Fall 2007	CMH601	601	Biostatistics I	CMH	y Health	4 analysis.	GR	LE	Lecture

						Studies advanced statistical			
						methods for analysis of variance,			
						multiple regression, survey			
						methods, design of experimental			
						investigations, vital statistics,			
F 11 0007	01411100	400	D:	01.41.1	Communit	bioassays, and sequential	0.0		
Fall 2007	CMH602	602	Biostatistics II	CMH	y Health	3 analysis.	GR	LE	Lecture
			Student Educ						
			Prog for		Communit				
Fall 2007	CMH604	604	Children	CMH	y Health	2	MD	OT	Other
			Intervention:						
			Substance		Communit				
Fall 2007	CMH606	606	Abuse	CMH	y Health	2	MD	LE	Lecture
			Ethics:						
			Interprofessio		Communit				
Fall 2007	CMH607	607	nal	CMH	y Health	2	MD	LE	Lecture
			Women and		Communit				
Fall 2007	CMH609	609	Medicine	CMH	y Health		MD	LE	Lecture
						Introduction to the basic			
						principles and applications of			
						statistical methods as they are			
						applied to data arising in the			
						health professions. CMH 620			
						students will have additional			
					Communit	requirements compared to the			
Fall 2007	CMH620	620	Biostatistics	CMH	y Health		GR	LE	Lecture
						Nature of epidemiological			
						studies; descriptive			
						epidemiology; experimental and			
						observational investigations;			
						cross-sections; prospective and			
						retrospective studies; mortality			
						and morbidity measurements			
						and factors affecting			
					Communit	comparison; life tables; and			
Fall 2007	CMH621	621	Epidemiology I	CMH	y Health	-	GR	LE	Lecture
1 uli 2007	CIVII IUZ I	UZ 1	- LPIGCITIIOIOGY I	CIVILI	y i icaitii	Jinti oddetion to demographic	UΙΛ		Lociule

							Advanced techniques of			
							epidemiological investigation.			
							Epidemiology of specific chronic			
							diseases such as cancer,			
							diabetes, and cardiovascular and			
							mental disorders. Introduction to			
							environmental and occupational			
							epidemiology. Students prepare			
			Epidemiology		Communit		research protocol on a given			
Fall 2007	CMH622	622	II	СМН	y Health		specific problem.	GR	LE	Lecture
					J		This course is an introduction to			
							epidemiology including historical			
							foundations, basic concepts,			
							study designs, and practical			
							applications. Emphasis is placed			
							on epidemiological principles,			
						(concepts, and methods used			
						١	within public health settings.			
							Students will use skills acquired			
			Pub Hlth		Communit	i	n the course to complete an			
Fall 2007	CMH623	623	Epidemiology	CMH	y Health	4 8	applied project.	GR	LE	Lecture
						-	This course focuses on the topics			
						(of Environmental Health that			
						ŀ	have the greatest effect on the			
						(community. It provides a survey			
			Environmental		Communit	(of broad Environmental Public			
all 2007	CMH640	640	Health	CMH	y Health	4 I	Health issues.	GR	LE	Lecture
							Interaction of humans with			
						5	special environments. Section			
							one is an intensive study of			
						r	respiration, the cardiovascular			
						9	system, and the physics and			
			Environmental		Communit	ļ,	physiology of gaseous			
Fall 2007	CMH641	641	Medicine I	CMH	y Health	3 6	environments.	GR	SE	Seminar

			Environmental		Communit	Interaction of humans with special environments. Section two covers mineral, chemical, and drug metabolism; function of sensory systems; and the physics and physiological stresses of heat and cold, sound, and electromagnetic and ionizing			
Fall 2007	CMH642	642	Medicine II	CMH	y Health	3 radiation.	GR	SE	Seminar
			Environ		Communit	Interaction of humans with special environments. Section three studies effects of dynamic forces, biomechanics of the body, physiology of physical exercises, and engineering			
Fall 2007	CMH643	643	Medicine III	CMH	y Health	3 machines to improve human	GR	SE	Seminar
			Aerospace		Communit	General review, discussions of research projects, guest presentations, and selected advanced topics dealing with aerospace medicine, occupational medicine, and public health. Presentation and discussion of problem clinical			
Fall 2007	CMH651	651	Medicine I	CMH	y Health	4 cases related to aerospace	GR	SE	Seminar
			Aerospace		Communit	Covers civil pilot medical case histories including presentation of the medical condition that the pilot experienced, the implications by medical certification, and the proper steps in denying or certifying the pilot. M.D. degree required. May			
Fall 2007	CMH652	652	Medicine II	СМН	y Health	2 be taken for letter grade or	GR	SE	Seminar

			Intro to Comm		Communit	Familiarization with activities and services encompassed by community medicine, including public health, preventive medicine, prospective medicine, occupational medicine, geriatric health, handicapped services, and health promotion. May be taken for letter grade or			
Fall 2007	CMH654	654	Med	СМН	y Health	2 pass/unsatisfactory.	GR	SE	Seminar
						Mechanisms of hyperbaric oxygen therapy, equipment,			
						safety considerations, and			
						limitations. Conditions			
						particularly amenable to this			
						therapy are explored:			
						decompression sickness, air			
						embolism, gas gangrene, CO			
						poisoning, and elective			
			Hyperbaric		Communit	indications. May be taken for			
Fall 2007	CMH655	655	Medicine	CMH	y Health	3 letter grade of	GR	SE	Seminar
						Introduction to and			
						familiarization with clinical			
						activities and operational			
						experiences in Aeromedical Services (Flight Medicine,			
						Occupational Medicine,			
						Environmental Health,			
						Bioenvironmental Surveillance,			
			Clinical			and Physiological Training).			
			Aerospace		Communit	Enrollment in Aerospace			
Fall 2007	CMH656	656	•	СМН	y Health	4 Medicine Residency program or	GR	SE	Seminar

E-II 2007	CMIL 74	(71	Prin: Occupational	CMIL	Communit	Presents the medical department in industry: its role, functions, administration, physical facilities, personnel, equipment, records, costs, benefits, intramural relationships and extramural relationships with professional societies, official agencies, organized labor, and paramedical		C.F.	Carainan
Fall 2007	CMH671	671	Health Clinical Occupation HIth	СМН	y Health Communit	3 occupations. Principles of physical examination and diagnosis are applied to selection, placement, and return to work of industrial employees. Surveys of a variety of work environments are conducted with emphasis on potential health hazards. Course	GR GR	SE SE	Seminar
Fall 2007	CMH700	700	Aerospace Accidents	СМН	y Health Communit y Health	3 includes field experience. Overview of aerospace accident investigation procedures, concerned regulations, and interdisciplinary management from an aeromedical perspective. Selected advance topics include the analyses of relevant aerospace accident reports, post-crash survivability, and future 4 directions.		SE	Seminar
Fall 2007	CMH701	701	Spec Topics: Comm Med Aero	СМН	Communit y Health	Provides the philosophy underlying each major aerospace medicine standard. It also explores the aerospace medical factors that convert safe flight into hazardous flight. M.D. degree and departmental approval required. May be taken 3 for letter grade or		SE	Seminar

Fall 2007	CMH705	705	Intro to Pub Hlth/Policy	СМН	Communit y Health	Development of a broad knowledge base in public health, a dynamic and multidisciplinary field, by introducing its core components, including environmental science, epidemiology, biostatistics, health policy, health services management, economics, and 4 socio-behavioral science.	GR	LE	Lecture
Tall 2007	CIVILITYOS	703	Special Seminars in	CIVILI	Communit	Participants discuss the influence and value of aerospace medicine on an international basis in light of new and proposed	OIX	LL	Lecture
Fall 2007	CMH711	711	ASM	СМН	y Health	3 aeromedical technological	GR	SE	Seminar
			Aeromed Con&Op Flt		Communit	Builds on the basics of the aeromedical concerns to advance the understanding of the relevant aeromedical aspects related to the operational flight environment. Practical experiences in the hypobaric chamber, acceleration, and life support facilities supplement			
Fall 2007	CMH721	721	Envir	СМН	y Health	3 course work. Studies the role human factors play in the safety of the aerospace and aerospace medical environments. Topics include resource management,	GR	SE	Seminar
			Human Factors in Aerospace		Communit	communications, performance, situational awareness and human factors in aerospace			
Fall 2007	CMH723	723	Med	СМН	y Health	3 related accidents/incidents.	GR	LE	Lecture

		T	1	1		\(\(\alpha\) \(\begin{array}{cccccccccccccccccccccccccccccccccccc		1	
						(Also listed as MGT 755.)			
						Overview of total health care			
						system including public and			
						private institutions and agencies,			
						federal and state regulations,			
						and methods of financing.			
						Directed study of major			
			Health			contemporary forces affecting			
			Services		Communit	the health care delivery system.			
Fall 2007	CMH731	731	Admin	CMH	y Health	3 Class includes seminars and on-	GR	SE	Seminar
						This course will introduce the			
						student to health systems as an			
						overriding mechanism of health			
						care delivery and explore topics			
						of quality, evidence-based			
			Health			medicine, health economies,			
			Systems		Communit	ethics, leadership, health care			
Fall 2007	CMH734	734	Management	CMH	y Health	1 policy, and utilization	GR	LE	Lecture
						This course will enable students			
						to apply techniques of			
						epidemiology and biostatistics to			
						evaluate population-based health			
						programs. In addition, students			
						will become familiar with			
						principles of public health,			
			Population-		Communit	prevention, and health care			
Fall 2007	CMH744	744	Based Mgmt	СМН	y Health	4 quality management.	GR	LE	Lecture
					J	This course will introduce			
						students to strategic			
						management as practiced in			
						health care settings. Principles of			
						organizational behavior and			
						culture will be examined and			
						techniques in negotiation,			
			Strat Ldrshp in	1	Communit	leadership, and strategic analysis			
Fall 2007	CMH754	754	Hith Care	CMH	y Health	1 will be applied.	GR	LE	Lecture
. 311 2007	51411 17 5 1		00.0	J.V.II I	J Januar	23 applical	~		_00141.0

Fall 2007	CMH764	764	Public Health Aspects Disate	смн	Communit y Health		This course is designed to meet the need for a recognized curriculum in the Public Health aspects of disaster care and organized emergency medical services systems. Analytical and assessment skills will be emphasized. This course covers a board range	GR	LE	Lecture
Fall 2007	CMH765	765	Interagency Disaster	СМН	Communit y Health		of topics, problems and activities involved in developing a comprehensive plan of response to a major life and property-threatening emergency at the local level.	GR	LE	Lecture
Fall 2007	CMH766	766	Terrorism Effects Public	СМН	Communit y Health		The course provides an understanding of terrorism, the motivation, and ways in which it impacts individuals and society and the effects of a terrorist incident on Public Health.	GR	LE	Lecture
Fall 2007	CMH770	770	Social Behavior Health	СМН	Communit y Health	4		GR	LE	Lecture
Fall 2007	CMH771	771	Global Health	СМН	Communit y Health		This course will introduce the students to global health concepts. Social constructs of health will be reviewed, as well as how environmental factors and political decision-making affect global and international	GR	LE	Lecture

						This course introduces the			
						principles of structures and			
						mechanisms of global health			
						systems focused on the			
						developed countries. It will			
						explore the possible approaches			
			Global Health		Communit				
Fall 2007	CMILITA	770		СМН		to improve the health systems at	GR	LE	Looturo
Fall 2007	CMH772	772	Systems	CIVIH	y Health	4 national and global levels.	GR	LE	Lecture
F - II 0007	01411775	775	Application	01411	Communit		CD.		1 1
Fall 2007	CMH775	775		CMH	y Health	4	GR	LE	Lecture
F - II 0007	01411700	700	Continuing	01411	Communit		CD.	10	Independe
Fall 2007	CMH789	789	Registration	CMH	y Health	1	GR	IS	nt Study
F !! 0007	01.11.17.04	704	Independent	0.411	Communit	Independent study of topics in	0.5	. –	
Fall 2007	CMH791	791	Study	CMH	y Health	1 community health.	GR	LE	Lecture
			Student-						
			Initiated		Communit				
Fall 2007	CMH800	800	Elective	CMH	y Health	4	MD	CL	Clinical
			Intro Clin						
			Occupat'nl		Communit				
Fall 2007	CMH802	802	Med	CMH	y Health	8	MD	CL	Clinical
			Hospice:		Communit				
Fall 2007	CMH803	803	IP/OP Care	CMH	y Health	4	MD	LE	Lecture
			Systems						
			Approach		Communit				
Fall 2007	CMH804	804	Health Care	CMH	y Health	4	MD	CL	Clinical
			Research		Communit				
Fall 2007	CMH805	805	Ethics	CMH	y Health	4	MD	CL	Clinical
			Literature and		Communit				
Fall 2007	CMH806	806	Medicine	CMH	y Health	4	MD	CL	Clinical
			Community		Communit				
Fall 2007	CMH807	807	Medicine	CMH	y Health	8	MD	CL	Clinical
						This practice placement is			
						intended to provide an intensive			
						Applied Public Health learning			
						experience. Students must			
						complete 120 hours of			
			Public Health		Communit	supervised practice in an			Independe
Fall 2007	CMH810	810	Practice	СМН	y Health	1 approved public community site.	GR	IS	nt Study

Fall 2007	CMH811	811	Public Health Research	СМН	Communit y Health	Students taking this course will develop skills and knowledge required for public health professionals to effectively utilize the thesis/dissertation model, to conduct literature review, and to successfully complete both qualitative & quantitative 1 analysis. GR LE Lecture
			HSM Practice		Communit	The practice placement will provide the student with the opportunity to engage in any area of population health, health systems, health policy, health
Fall 2007	CMH818	818	Placement	СМН	y Health Communit	1 economics and/or health finance. GR IS nt Study Under supervision of an advisor, students choose research problems, prepare literature searches, design research methodology and conduct applied research. A full report is written and presented before a Independe
Fall 2007	CMH820	820	Experience	СМН	y Health	1 graduate committee. GR IS nt Study Under supervision of an advisor, students choose research problems, prepare literature searches, design research methodology and conduct applied research. A full report is
Fall 2007	CMH821	821	Culminating Experience	СМН	Communit y Health	written and presented before a graduate committee. GR IS Independe

							This course will introduce			
							students to concepts, principles,			
							and practices of communications			
							in multiple health systems and			
							health care settings. Students			
							will develop their knowledge in			
			Health				areas including effective			
					Communit		communication styles,			
Fall 2007	CMHOOO	828	Systems Comm	СМН		2		GR	SE	Cominor
Fall 2007	CMH828	020		CIVITI	y Health		interpersonal relations, etc.	GK	3E	Seminar
F-II 2007	CMILIOFO	050	Aero Med	CNALL	Communit	4	A major project for class	CD	10	Independe
Fall 2007	CMH850	850	Projects	СМН	y Health	4	presentation at year's end.	GR	IS	nt Study
							Under supervision of an advisor,			
							students choose research			
							problems, prepare bibliographical			
							searches, plan experimental			
							protocol, and conduct			
							experimentation. A full report,			
							constituting a thesis, is written			
			Aerospace		Communit	_	and defended before a graduate			Independe
Fall 2007	CMH899	899	Med Research	CMH	y Health	3	committee.	GR	IS	nt Study
					Communit					
Fall 2007	CMH900	900	Extramural	CMH	y Health	4		MD	Н	Hospital
							This course explores the topic of			
							emotional intelligence and its			
							relevance to I.Q. The course will			
							focus on the benefits of			
			Understand		Counselin		emotional intelligence and its			
Fall 2007	CNL210	210	EmotionI Intel	CNL	g	4	application to education of	UG	LE	Lecture
			Writing in CNL		Counselin					
Fall 2007	CNL210W	210W	210	CNL	g	0		UG	LB	Lab
							Overview of major counseling			
							theories and tech-niques. Review			
							of historical foundations of the			
							mental health movement. Social,			
			Principles of		Counselin		psychological, and philosophical			
Fall 2007	CNL461	461	Counseling	CNL	g	4	influences are considered.	UG	LE	Lecture

						Forters influencing helpsylen of
						Factors influencing behavior of
						individuals; methods a counselor
						may use in observing, analyzing,
					Counselin	and improving attitudes and
Fall 2007	CNL463	463	Mental Health	CNL	g	4 behavior. UG LE Lecture
						Introduction to the background,
						theory, practice, and needs of
						crisis intervention within the
						helping professions. A variety of
						crisis intervention models are
						explored, as are the various
			Crisis		Counselin	community resources available to
Fall 2007	CNL464	464	Intervention	CNL	g	4 the crisis intervention worker. UG LE Lecture
						Surveys the background, theory,
			Group			patterns of function, technique
			Backgrnd &		Counselin	of facilitating, and use of small
Fall 2007	CNL467	467	Theory	CNL	g	4 groups in counseling. UG LE Lecture
						Intensive study of selected areas
						from counselor education to
						meet the particular needs of
					Counselin	participating students, schools,
Fall 2007	CNL470	470	Workshop in:	CNL	g	1 and agencies. UG LE Lecture
						Overview of major counseling
						theories and techniques and
						review of historical foundations
						of the mental health movement.
						Social, psychological, and
			Principles of		Counselin	philosophical influences are
Fall 2007	CNL661	661	Counseling	CNL	g	4 considered. GR LE Lecture
						Considers physical,
						psychological, and personality
						development of students in
						terms of the interrelationship of
						these factors and their effects on
						student functioning. Family,
			Prob Stu			school, and other social-
			Personality&D		Counselin	psychological environments are
Fall 2007	CNL662	662	ev	CNL	g	4 studied in terms of their effect GR LE Lecture

					services to basic			
					phychopathology, factors			
					influencing the behavior of			
					individuals and methods a			
					counselor may use in observing,			
		Mental Health		Counselin	analyzing and improving			
CNL663	663	1	CNL	g	4 attitudes and behavior.	GR	LE	Lecture
					Introduces students to the			
					background, theory, practice,			
					3 .			
					within the helping professions. A			
		Crisis			5			
		Intervention		Counselin	•			
CNL664	664	Cnl	CNL	a		GR	LE	Lecture
				9				
		Group			= -			
		·		Counselin	· · · · · · · · · · · · · · · · · · ·			
CNL667	667		CNL		0	GR	LE	Lecture
0.12007			0.12	9	<u> </u>			200100
		Counseling		Counselin	•			
CNL670	670		CNL			GR	LE	Lecture
				9	·			
					· · · · · · · · · · · · · · · · · · ·			
		Cnl Skills for		Counselin				
CNL751	751	Educators	CNL	g	3 discussed.	GR	LE	Lecture
	CNL664 CNL667 CNL670	CNL664 664 CNL667 667 CNL670 670	CNL663 663 I Crisis Intervention Cnl Group Background&T heory CNL670 670 Counseling Workshop Cnl Skills for	CNL663 663 I CNL Crisis Intervention CNL Group Background&T heory CNL CNL667 667 Counseling Workshop CNL Cnl Skills for	CNL663 663 I CNL g Crisis Intervention CNL 664 664 Cnl CNL g Group Background&T heory CNL g Counselin CNL667 667 Counselin CNL670 670 Counseling CNL670 670 Counseling CNL670 Counseling CNL670 Counseling CNL670 Counseling CNL670 Counseling CNL670 Counseling CNL670 Counselin	Mental Health CNL663 663 I CNL g Mental Health CNL g Mental Health CNL g Attitudes and behavior. Introduces students to the background, theory, practice, and needs of crisis intervention within the helping professions. A variety of crisis intervention models are explored, as are the various community resources CNL664 664 Cnl CNL g Group Background&T CNL g Counselin CNL667 667 heory CNL g Counselin CNL668 668 Counselin CNL669 CNL g Counselin CNL669 CNL g Counselin CNL660 Counselin C	Services to basic phychopathology, factors influencing the behavior of individuals and methods a counselor may use in observing, analyzing and improving and needs of crisis intervention within the helping professions. A variety of crisis intervention models are explored, as are the various community resources CNL664 664 Cnl CNL g 1 available to the crisis Surveys the background, theory, patterns of function, techniques of facilitating, and the uses of analyzing and improving and improving and improving analyzing analyzin	Services to basic phychopathology, factors influencing the behavior of individuals and methods a counselor may use in observing, analyzing and improving analyzing analyzing and improving analyzing ana

						Droconts carear dayalanment as			
						Presents career development as			
						a series of vocational/avocational			
						choices in the process of self-			
						realization and considers the			
						effect of rapid social and			
			Career Devel		Counselin	technological change on this			
Fall 2007	CNL762	762	& Inf Serv	CNL	g	4 process.	GR	LE	Lecture
						Presents theoretical aspects			
						concerning the organization and			
						administration of guidance			
						services; practical application of			
						principles to schools and other			
						organizations. Surveys social			
						agencies, both public and			
						private, that counselors should			
						be familiar with. An analysis of			
			Pupil Pers Serv		Counselin	the referral process and the			
Fall 2007	CNL765	765	•	CNL	g	•	GR	LE	Lecture
						Serves as an introduction to			
						group counseling practice.			
						Considers interaction patterns			
						and dynamics within small			
						groups, and focuses on			
						understanding of individual and			Lecture/La
						group behavior as they relate to			b
			Group Proc		Counselin	the individuals taking the course.			Combinatio
Fall 2007	CNL767	767	•	CNL	g	4 Evaluation and research of group	GR	LL	n

	1				1	
						Stresses the theories and
						techniques of counseling
						children. Discusses the
						differences between counseling
						with adults and counseling with
						children. Specific aspects
						considered are role and function
						of a child counselor, group and
						individual counseling with
						children, vocational information
						for children, scholastic and
						personality testing of children,
						and treatment methodology
						(including play therapy, family
			Tech of Child		Counselin	counseling, and teacher
Fall 2007	CNL769	769	Counseling	CNL	g	4 collaboration). GR LE Lecture
						Planned reading and/or project
						under the guidance of a
						counselor education program
			Indep Study		Counselin	faculty member. May be taken Independent
Fall 2007	CNL770	770	Minor Prob	CNL	g	1 for a letter grade or GR IS nt Study
						Acquaints students with
						preventive mental health,
						advocacy roles, legal and ethical
						issues, and interdisciplinary
			Mental Health		Counselin	approaches to community mental
Fall 2007	CNL773	773	П	CNL	g	4 health. GR LE Lecture
						Investigation of the techniques
						of play therapy for children ages
						3 to 12. An advanced seminar
						for students interested in
						individual and group play and its
			Techniques		Counselin	therapeutic implications for
Fall 2007	CNL778	778	Play Therapy	CNL	g	4 schools and agencies. GR LE Lecture

						Considers principles and			
						techniques of marriage and			
						family counseling from a variety			
						of theoretical orientations.			
			Marriage&Fam		Counselin	Laboratory and/or field			
Fall 2007	CNL779	779	ily Counsel	CNL		4 experience may be required.	GR	LE	Lecture
Fall 2007	CINL/19	119	ily Courisei	CIVL	g	Introduces the student to an	GK	LE	Lecture
			Cuc Thoony 9		Councelin	indepth analysis of family			
Fall 2007	CNII 700	700	Sys Theory &	CNII	Counselin	systems theory and its	CD		Looturo
Fall 2007	CNL780	780	Family Cnl	CNL	g	4 application to marriage and	GR	LE	Lecture
						Advanced technique and			
						intervention course that focuses			
						on family systems interventions.			
						Emphasis on applications of			
						family counseling, providing in-			
			Adv Techn of		Counselin	depth treatment of the major			
Fall 2007	CNL781	781	Family Cnl	CNL	g	4 approaches to family counseling.	GR	LE	Lecture
						In-depth overview of marital			
						counseling. Focuses on			
						techniques and interventions			
						that emphasize the application of			
						the major schools of marital			
						counseling. Course is			
						experientially and performance			
						focused; student participation is			
			Techniques		Counselin	encouraged and expected in a			
Fall 2007	CNL782	782	Marital Cnl	CNL	g	4 variety of role-playing situations.	GR	LE	Lecture
						Provides an opportunity for			
						students to further develop skills			
						in counseling, appraisal,			
			Adv Seminar		Counselin	research, or other related areas			
Fall 2007	CNL860	860	in Counseling	CNL	g	1 under faculty direction.	GR	SE	Seminar
			3			Laboratory practice in individual			Lecture/La
						counseling techniques; focuses			b
			Techniques of		Counselin	on the development of basic			Combinatio
Fall 2007	CNL863	863	Counseling	CNL	g	4 skills and procedures.	GR	LL	n

							Provides an experience in			
							counseling and guidance in			
							which students, under			
							supervision, actually counsel			
			Practicum I:		Counselin		individuals in educational,			
Fall 2007	CNL864	864	Individual	CNL	g		vocational, and personal areas.	GR	IN	Internship
							Provides an experience in			
							counseling and guidance in			
							which students, under			
							supervision, actually counsel			
			Individ & Grp		Counselin		individuals in educational,			
Fall 2007	CNL865	865	Practicum	CNL	g	4	vocational, and personal areas.	GR	IN	Internship
							This field-based experience			
							provides human services			
							master's degree students with			
					Counselin		advanced clinical practice and			
Fall 2007	CNL867	867	Internship:	CNL	g	1	supervision in their major	GR	IN	Internship
							Focuses on the development of			
							personality throughout the life			
							span and associated difficulties			
							that can occur for individuals.			
							Additional emphasis will be given			
			Pers Theory &		Counselin		to adaptation and the coping			
Fall 2007	CNL950	950	Psychpathy	CNL	g	4	process.	GR	LE	Lecture
							This course studies supervised			
							clinical practice in the			
							administration of mental health			
							assessment instruments.			
							Emphasizes advanced methods			
							of administering and interpreting			
							standardized tests. Includes use			
			Clin Assess in		Counselin		of assessment procedures in			
Fall 2007	CNL951	951	Cnl Prac	CNL	g	4	diagnosis and treatment	GR	LE	Lecture

			Diagnosis &		Counselin	Clinical course designed to introduce students to comprehensive diagnostic evaluation. Students gain familiarity with the Current Diagnostic and Statistical Manual and International Classification of Disease via lecture as well as			Lecture/La b Combinatio
Fall 2007	CNL952	952	Clin Cnl Prac CN	NL	g	4 case formulations.	GR	LL	n
			Case Form &		Counselin	Focuses on treatment planning for clients. A variety of different treatment approaches will be discussed for DSM III-R disorders, syndromes, and other			
Fall 2007	CNL953	953	Clin Interven CN	NL	g	4 client problems. This field-based experience	GR	LE	Lecture
Fall 2007	CNL954	954	Intern: Adv Clinical Cnl CN	NL	Counselin g	provides practicing master's level counselors with the opportunity for supervised advanced clinical counseling practice.	GR	IN	Internship
Fall 2007	CNII 040	040	Adv Instit Human Ser	All	Counselin	Individual and group study of current problems and issues for counselors. Also provides a focus on the development of new skills related to counseling interventions. Topics might include professional ethics and responsibilities, crisis	CD	C.F.	Saminar
Fall 2007	CNL960	960	Pers CN	NL	g	1 intervention and human Overviews the special social/emotional needs of gifted children and youth. Focuses on techniques to help gifted children experience their emotions, and	GR	SE	Seminar
E 11 0007	0111 074	0/4	Counseling the		Counselin	to develop awareness and	0.0		
Fall 2007	CNL961	961	Gifted CN	NL	g	3 understanding of themselves.	GR	LE	Lecture

						Developmental factors			
						influencing the behavior of			
						individuals across the life-span			
						and the unique counseling			
						strategies that are employed			
			Counsel for		Counselin	with clients in the human			
Fall 2007	CNII 071	971		CNL			GR		Lootumo
Fall 2007	CNL971	9/1	Life Develop	CINL	g	4 services at different points on	GR	LE	Lecture
						Surveys the various legal,			
						professional, and ethical			
- U 0007	0111 070	070	Legal Prof	0.11	Counselin	concerns most often	0.5		
Fall 2007	CNL972	972	Ethic Issues H	CNL	g	4 encountered by human service	GR	LE	Lecture
						Focuses on studies of change,			
						ethnic groups, subcultures,			
						changing roles of women,			
						sexism, urban and rural			
						populations, and differing life			
						patterns. Involves experiential			
			Soc Cultural		Counselin	and didactic material and looks			
Fall 2007	CNL973	973	Found Counse	CNL	g	4 at individual attitudes and	GR	LE	Lecture
						Fundamentals of verbal and			
						nonverbal communication in			
ĺ						platform speaking. Discussion			
						and practice in vocal and			
ĺ						physical delivery and in			
			Essentials		Communi	purposeful organization and			
Fall 2007	COM101	101	Public Address	COM	cation	4 development of a speech.	UG	LE	Lecture
			Essen Public		Communi	Required laboratory for COM			
Fall 2007	COM101L	101L	Address Lab	COM	cation	0 101.	UG	LB	Lab
						Examination of types of			
						communication in the classroom.			
						Principles and practice of oral			
						and written communication in			
			Communicatio		Communi	story-telling, lecturing,			
Fall 2007	COM103	103	n for Teach	СОМ	cation	3 discussion, and interpersonal	UG	LE	Lecture

Fall 2007	COM104	104	Intro to Human Com	СОМ	Communi cation	This course surveys major concepts, theories, and research approaches in the study of human communication. The course assists students in developing requisite knowledge and skills in the development of 4 their own communication	UG	LE	Lecture
			Intro to						
Fall 2007	COM104L	104L	Human Com Lab	СОМ	Communi	Required laboratory for COM 0 104.	UG	LB	Lab
			Intro Com		Communi	Research, practice, and participation in communication forums, symposia, or an oral communication project designed to meet the interest of individual students. Independent study.			Independe
Fall 2007	COM130	130	Activities	COM	cation	1 Graded pass/unsatisfactory.	UG	IS	nt Study
			Mass Communicatio		Communi	Study of mass media functions, industries, and effects to help students become more critical mass media consumers and			
Fall 2007	COM152	152	n	COM	cation	4 contributors.	UG	LE	Lecture
						Instruction and practice in writing to inform and persuade, emphasizing analysis of purpose, strategy, organization, style, and correct language. Instruction in use of information sources,			Lecture/Re citation
F-II 2027	0014000	200	Writing to	CON 4	Communi	including computer-linked data	110	I D	Combinatio
Fall 2007	COM200 COM200	200	Communicate Writing in	COM	cation Communi	4 bases. Required writing component for	UG	LR	n
Fall 2007	W	200W	COM 200	COM	cation	0 COM 200.	UG	LB	Lab

			Business			Interorganizational communication skills for job interviewing, persuasive proposals, departmental meetings, oral report presentations, and job appraisals are experienced along with			
			Communicatio		Communi	employee communications to			
Fall 2007	COM203	203	n	COM	cation	3 accomplish job tasks.	UG	LE	Lecture
			Business						
			Communicatio		Communi				
Fall 2007	COM203L	203L	n Lab	COM	cation	0	UG	LB	Lab
			Speaking Prof		Communi	Theory and practice of speaking in professional contexts. Experience in preparation and			
Fall 2007	COM221	221	Contexts	СОМ	cation	4 delivery of professional	UG	LE	Lecture
			Basic Video		Communi	(Also listed as TH 253.) A basic introduction to the use of video production equipment using lecture, demonstration, and experiential approaches. Appropriate laboratory time			Lecture/Re citation Combinatio
Fall 2007	COM253	253	Production	СОМ	cation	3 provided in television studio.	UG	LR	n
						(Also listed as ENG 257.) Introduction to writing for media. Structure and organization of			
Fall 2007	COMOE	257	Basic Media	COM	Communi	media copy. Course requires	LIC	1.5	Looturo
Fall 2007	COM256	256	Writing	СОМ	cation	4 reporting in the field.	UG	LE	Lecture
Fall 2007	COM256 W	256W	Writing in COM 256	СОМ	Communi cation	Required writing component for 0 COM 256.	UG	LB	Lab

		1				E ' ' ' C' I ' '			
						Examination of the basic themes			
						and issues that have developed			
						in health communication			
						research including physician-			
						patient and nurse-patient			
						communications, organizational			
			Health			communication in health care			
			Communicatio		Communi	organizations, and relationships			
Fall 2007	COM325	325	n	COM	cation	4 among care providers.	UG	LE	Lecture
						Research, practice, and			
						participation in communication			
						forums, symposia, or an oral			
						communication project designed			
			Adv			to meet the interest of individual			
			Communica		Communi	students. Independent study.			Independe
Fall 2007	COM330	330	Activities	COM	cation	1 Graded pass/unsatisfactory.	UG	IS	nt Study
						Delineation of the concept of			
						persuasion together with an			
						overview of general rhetorical			
						theory. Experience in preparation			
			Persuasion &		Communi	and presentation of persuasive			
Fall 2007	COM333	333	Rhetoric	COM	cation	4 communication.	UG	LE	Lecture
	COM333		Writing in		Communi	Required writing component for			
Fall 2007	W	333W	COM 333	COM	cation	0 COM 333.	UG	LB	Lab
						Simulation focusing on the			
						processes of a public-relations			
						campaign: fact finding, action			
						planning, implementation of			
						communication channels, and			
			Pub			program evaluation. Experiences			
			Relations:Prin		Communi	focus on one internal and one			
Fall 2007	COM345	345	& Prac	COM	cation	4 external campaign for students.	UG	LE	Lecture
	COM345		Writing in		Communi	Required writing component for			
Fall 2007	W	345W	COM 345	COM	cation	0 COM 345.	UG	LB	Lab

						Development of skills necessary			
						for effective planning and			
						implementation of public			
						relations campaigns. Includes			
						audiences and media analysis,			
					Communi	and the design and writing of a			
Fall 2007	COM346	346	PR Campaigns	COM	cation	4 variety of campaign materials.	UG	LE	Lecture
raii 200 <i>1</i>	COM346	340	Writing in	COIVI	Communi	4 variety of campaign materials.	UG	LC	Lecture
Fall 2007	W	346W	COM 346	СОМ	cation	0	UG	LB	Lab
raii 2007	VV	34000	COIVI 340	COIVI	Cation	In-depth analysis of the public	UG	LD	Lab
İ						relations process through an			
İ						examination of various cases			
1			Case Studies		Communi	involving public relations			
Fall 2007	COM347	347	in PR	СОМ	cation	4 problems.	UG	LE	Lecture
1 411 2007	COM347	347	Writing in	COIVI	Communi	4 problems.	00	LL	Lecture
Fall 2007	W	347W	COM 347	СОМ	cation	0	UG	LB	Lab
1 dii 2007	VV	34744	COW 347	COIVI	Cation	Examines developing	00	LD	Lab
						communication technologies with			
			Emerging Com		Communi	emphasis on alternative delivery			
Fall 2007	COM358	358		СОМ	cation	4 systems.	UG	LE	Lecture
1 411 2007	00111000		roomioiogios	00111	Gation	Examination of broadcast news			200141.0
						with special attention given to			
			Broadcast		Communi	coverage, selection, and			
Fall 2007	COM360	360	Journalism	COM	cation	4 reporting of the news.	UG	LE	Lecture
	COM360		Writing in		Communi	1 3			
Fall 2007	W	360W	COM 360	COM	cation	0	UG	LB	Lab
						(Also listed as ENG 364.)			
						Introduces basic principles of			
						graphics communication,			
						primarily as applied to print			
						media. Includes history and basic			
						concepts of graphics			
			Communicatio		Communi	communication, typography,			
Fall 2007	COM364	364	n Graphics	COM	cation	4 photo editing, and graphic	UG	LE	Lecture

						An in-depth examination of the major issues facing the American mass media, including such topics as media effects, content of programming, the commercialization of public broadcasting, media ownership,			
			Iss in Mass		Communi	children's programming, and			
Fall 2007	COM365	365	Communicatn	СОМ	cation	4 others.	UG	LE	Lecture
			Advanced		Communi	(Also listed as ENG 366.) Advanced study of writing skills, practices, and procedures used in reporting news for mass media. Actual reporting in the field is required. News writing skills introduced in COM 256 are			
Fall 2007	COM366	366	News Writing	COM	cation	4 further refined.	UG	LE	Lecture
	COM366		Writing in		Communi	Required writing component for			
Fall 2007	W	366W	COM 366	COM	cation	0 COM 366.	UG	LB	Lab
			Photo Communicatio		Communi	Introduces basic principles of visual literacy and visual communication, and utilization of light and shadow, creative devices, and other techniques in creation of photographs and multi-picture layouts suitable for			
Fall 2007	COM368	368	n	COM	cation	4 publication in mass media.	UG	LE	Lecture
			Dispute		Communi	Conflict is a normal and inevitable consequence of human existence. This course focuses on the nature and cause of conflict, the impact of communication on conflict			
Fall 2007	COM370	370	Resolution	COM	cation	4 escalation, and the process of	UG	LE	Lecture
	COM370		Writing in		Communi	Required writing component for			
Fall 2007	W	370W	COM 370	COM	cation	0 COM 370.	UG	LB	Lab

			Studies			Problems, approaches, and			
			Selected		Communi	topics in the field of speech.			
Fall 2007	COM399	399	Subjects	COM	cation	1 Topics vary.	UG	LE	Lecture
						A capstone course in which			
						advanced communication majors			
						develop portfolios to			
						demonstrate achievements as			
						preparation for careers in			
						professional or academic areas			
						of communication. Course			
						includes formal assessment of			
			Senior		Communi	communication skills. Senior			
Fall 2007	COM400	400	Portfolio	COM	cation	2 standing required.	UG	SE	Seminar
	COM400		Writing in		Communi	Required writing component for			
Fall 2007	W	400W	COM 400	COM	cation	0 COM 400.	UG	LB	Lab
						A study of various classical and			
						contemporary theories of			
						communication. An examination			
						of theories related to			
						communication systems,			
			Communicatio		Communi	communication interaction, and			
Fall 2007	COM401	401	n Theory	COM	cation	4 social contexts.	UG	LE	Lecture
	COM401		Writing in		Communi	Required writing component for			
Fall 2007	W	401W	COM 401	COM	cation	0 COM 401.	UG	LB	Lab
						Development of skills necessary			
						for effective television and radio			
						presentations. Study of criteria			
						for selecting appropriate talent			
			Performance		Communi	and frequent practice in a wide			
Fall 2007	COM411	411	for Media	COM	cation	4 range of media settings.	UG	LE	Lecture
						(Also listed as PLS 429.)			
						Processes and institutions by			
						which individuals and groups			
						communicate in an urban			
						environment. Model of an urban			
						communication system			
			Urban Comm		Communi	developed by interdisciplinary			
Fall 2007	COM429	429	Theory	COM	cation	4 systems approach.	UG	LE	Lecture

						Theoretical and pragmatic consideration of the impact of			
						race, class, and gender on the			
			Race, Class &		Communi	communication process within			
Fall 2007	COM432	432	Gender Com	COM	cation	4 society.	UG	LE	Lecture
						Study of the growth and			
						development of free speech in			
						the United States. Emphasizes			
						the development of definitions of			
						free speech and various			
			Freedom of		Communi	communication strategies in			
Fall 2007	COM439	439	Speech	COM	cation	4 different settings.	UG	LE	Lecture
						In-depth view of interpersonal			
						communication skills: presenting,			
						receiving, and challenging. A			
			Adv			group context is used to promote			
			Interpersonal		Communi	self-directed changes in			
Fall 2007	COM441	441	Comm	COM	cation	4 interpersonal style.	UG	LE	Lecture
	COM441		Writing in		Communi	Required writing component for			
Fall 2007	W	441W	COM 441	COM	cation	0 COM 441.	UG	LB	Lab
						Through a matrix organizational			
						structure, students experience			
						theory in selection, survey,			
						journalistic, performance			
						appraisal, persuasion, and			
						counseling interviewing			
					Communi	situations with the focus on			
Fall 2007	COM443	443	Interviewing	COM	cation	4 human resource development.	UG	LE	Lecture
	COM443		Writing in		Communi	Required writing component for			
Fall 2007	W	443W	COM 443	COM	cation	0 COM 443.	UG	LB	Lab
						Elements of the communication			
						process as pertinent to the field			
						of organizational communication.			
						By developing understanding, a			
						framework is established for			
			Org Com		Communi	contextual applications of the			
Fall 2007	COM446	446	Theory	COM	cation	4 features of organizations.	UG	LE	Lecture

	COM446		Writing in		Communi		Required writing component for			
Fall 2007	W	446W	COM 446	COM	cation	0	COM 446.	UG	LB	Lab
							This course examines factors			
							that help and hinder effective			
							professional relationships. Two			
							major course goals are to			
							increase understanding of			
			Com				interpersonal relationships and to			
			Relationships		Communi		apply the knowledge to			
Fall 2007	COM447	447	in Org	COM	cation	4	individual and organizational	UG	LE	Lecture
	COM447		Writing in		Communi		3			
Fall 2007	W	447W	COM 447	COM	cation	0		UG	LB	Lab
							This course provides students			
							with an understanding of the			
							relationship between			
							communication and leadership.			
							The course examines how			
							communication theories provide			
							a context for understanding how			
			Com Strategic		Communi		to effectively facilitate change			
Fall 2007	COM448	448	Leadership	COM	cation	4	within groups.	UG	LE	Lecture
	COM448		Writing in		Communi					
Fall 2007	W	448W	COM 448	COM	cation	0		UG	LB	Lab
							Provides a basic knowledge of			
							the behavioral approach and			
			Survey of Com		Communi		current theories and experiments			
Fall 2007	COM449	449	Research	COM	cation	4	in communications research.	UG	LE	Lecture
	COM449		Writing in		Communi		Required writing component for			
Fall 2007	W	449W	COM 449	COM	cation	0	COM 449.	UG	LB	Lab
							This course examines the design			
							and implementation of			
							communication training			
							programs including ethics, needs			
							assessment, and evaluation.			
							Students will develop training			
							plans and materials and apply			
			Com Training		Communi		those in actual training			
Fall 2007	COM451	451	Methods	COM	cation	4	presentations.	UG	LE	Lecture

	COM451		Writing in		Communi		Required writing component for			
Fall 2007	W	451W	COM 451	COM	cation	0	COM 451.	UG	LB	Lab
							This course is designed to			
							provide a theoretical and			
							practical understanding of			
							communication consulting.			
							Issues covered include ethics,			
							needs assessment and			
							evaluation, design and			
			Communicatio		Communi		implementation, and			
Fall 2007	COM452	452	n Consulting	COM	cation	4	communication variables in the	UG	LE	Lecture
							This course focuses on the			
							theory and processes of			
							negotiation to help students			
							understand the behavior of			
							individuals in competitive			
							situations. The course is			
			Negotiating &		Communi		designed to cover a broad			
Fall 2007	COM453	453	Bargain Com	COM	cation	4	spectrum of negotiation	UG	LE	Lecture
	COM453		Writing in		Communi		Required writing component for			
Fall 2007	W	453W	COM 453	COM	cation	0	COM 453.	UG	LB	Lab
							(Also listed as ENG 454.)			
			Feature Story		Communi		Finding, writing, polishing, and			
Fall 2007	COM454	454	Writing	COM	cation	4	marketing feature material.	UG	LE	Lecture
							Theory, survey of research, and			
							experiential learning in nonverbal			
							communication. Exploration of			
			Nonverbal				types and forms, and methods of			
			Communicatio		Communi		sending and receiving nonverbal			
Fall 2007	COM455	455	n	COM	cation	4	communication.	UG	LE	Lecture
							Study of communication in			
							intercultural environments.			
							Emphasis on research and theory			
							to better understand the			
			Intercultural		Communi		complexity of intercultural			
Fall 2007	COM457	457	Communicat	COM	cation	4	communication interactions.	UG	LE	Lecture
	COM457		Writing in		Communi	_	Required writing component for			
Fall 2007	W	457W	COM 457	COM	cation	0	COM 457.	UG	LB	Lab

						(Also listed as ENG 458.) Editing			
						of copy for mass media with			
						special emphasis on newspaper			
			Editing for the		Communi	format, headline writing,			
Fall 2007	COM458	458	Media	COM	cation	4 rewriting, and general copy desk.	UG	LE	Lecture
	COM458		Writing in		Communi				
Fall 2007	W	458W	COM 458	COM	cation	0	UG	LB	Lab
						Analysis of programs and			
						program strategies for broadcast			
			Program &			and other electronic media.			
			Mgt Elect		Communi	Emphasis on information for			
Fall 2007	COM460	460	Media	COM	cation	4 managing these media.	UG	LE	Lecture
			Mass						
			Media:Law/Re		Communi	Study of laws and regulations			
Fall 2007	COM462	462	gulation	COM	cation	4 affecting mass media.	UG	LE	Lecture
						Analysis of contemporary			
						programming and production			
						practices including the			
			Broadcast		Communi	development of critical standards			
Fall 2007	COM464	464	Criticism	COM	cation	4 for evaluation.	UG	LE	Lecture
	COM464		Writing in		Communi	Required writing component for		_	
Fall 2007	W	464W	COM 464	COM	cation	0 COM 464.	UG	LB	Lab
			Topics in			Examination of special topics in			
E 11 0007	0011171	174	Communicatio		Communi	the various areas of speech		. –	
Fall 2007	COM471	471	n	COM	cation	4 communication. Titles vary.	UG	LE	Lecture
						This course examines the design			
						and implementation of dispute			
						resolution systems to achieve			
						fairness and efficacy. Various			
			Diameter			methods of dispute resolution			
			Dispute		0 '	including negotiation,			
F-II 2007	CON475	475	Systems	CON4	Communi	conciliation, mediation and	110		1 4
Fall 2007	COM475	475	Design	COM	cation	4 arbitration will be examined in	UG	LE	Lecture
Fall 2007	CON4404	401	Independent	CONA	Communi	Faculty-directed readings and	LIC	ıc	Independe
Fall 2007	COM481	481	Study	COM	cation	1 research.	UG	IS	nt Study

						Independent studies course that			
						allows students to pursue			
			Senior Honors		Communi	research that culminates in a			Independe
Fall 2007	COM482	482	Project	COM	cation	1 senior honors thesis or project.	UG	IS	nt Study
						Philosophy and techniques of			
						conducting communication			
						events. Includes the planning,			
						initiating, and summarizing of			
						communication activities, and			
			Techniques &		Communi	evaluating written and oral			Independe
Fall 2007	COM491	491	Evaluation	COM	cation	1 performance.	UG	IS	nt Study
						Development of skills necessary			
						for effective television and radio			
						presentations. Study of criteria			
						for selecting appropriate talent,			
			Performance		Communi	and frequent practice in a wide			
Fall 2007	COM611	611	for Media	COM	cation	4 range of media settings.	GR	LE	Lecture
			Language		Communi	The development of speech and			
Fall 2007	COM621	621	Development	COM	cation	4 language in the preschool years.	GR	LE	Lecture
						Processes and institutions by			
						which individuals and groups			
						communicate in an urban			
						environment. Model of an urban			
						communication system			
			Urban Comm		Communi	developed by interdisciplinary			
Fall 2007	COM629	629	Theory	COM	cation	4 systems approach.	GR	LE	Lecture
						Theoretical and pragmatic			
						consideration of how and why			
						men's and women's			
						communication behaviors are			
						similar to one another in some			
			Gender &			instances, yet different in others,			
			Communicatio		Communi	and how men and women can			
Fall 2007	COM632	632	n	COM	cation	4 communicate more effectively.	GR	LE	Lecture

	1	1					I		
						Study of the growth and			
						development of free speech in			
						the United States. Emphasis on			
						the development of definitions of			
						free speech and various			
			Freedom of		Communi	communication strategies in			
Fall 2007	COM639	639	Speech	COM	cation	4 different settings.	GR	LE	Lecture
						In-depth view of interpersonal			
						communication skills: presenting,			
						receiving, and challenging. A			
			Adv			group context is used to promote			
			Interpersonal		Communi	self-directed changes in			
Fall 2007	COM641	641	Comm	COM	cation	4 interpersonal style.	GR	LE	Lecture
						Through a matrix organizational			
						structure, students experience			
						theory in selection, survey,			
						journalistic, performance			
						appraisal, persuasion, and			
					Communi	counseling interviewing			
Fall 2007	COM643	643	Interviewing	COM	cation	4 situations.	GR	LE	Lecture
						Simulation that focuses on the			
						creation, development, and			
						execution of a professional			
						conference through assessment			
						of participants' needs.			
						Experiences include completing			
						group tasks through assigned			
			Conference		Communi	roles developed from current			
Fall 2007	COM645	645	Leadership	COM	cation	4 leadership theories.	GR	LE	Lecture
						Application of organizational			
						communication theories and			
						major theoretical perspectives to			
						problems in public and private-			
						sector organizations. Includes a			
						simulation which focuses on			
						conflict management, leadership,			
			Organization		Communi	and decision making in a			
Fall 2007	COM647	647	Communica	COM	cation	4 business context.	GR	LE	Lecture

							A critical analysis of			
							communication issues and			
			Case Studies		Communi		problems in organizations			
Fall 2007	COM648	648	in Org Com	COM	cation	4	through an examination of	GR	LE	Lecture
							Provides a basic knowledge of			
							the behavioral approach and of			
							the current theories and			
			Survey of Com		Communi		experiments being conducted in			
Fall 2007	COM649	649	Research	COM	cation	4	communication research.	GR	LE	Lecture
							By means of a matrix structure,			
							consulting and training theories			
							are experienced in			
			Comm				communication programs and			
			Consulting &		Communi		processes as a methodology for			
all 2007	COM651	651	Train	COM	cation	4	human resource development.	GR	LE	Lecture
							In-depth study of the function of			
							communication in conflict/crisis			
							situations. Emphasis on the role			
							that communication performs in			
							conflict resolution in			
							intrapersonal, interpersonal,			
			Communicatio		Communi		group, and international			
Fall 2007	COM653	653	n & Conflict	COM	cation	4	situations.	GR	LE	Lecture
							(Also listed as ENG 654.)			
			Feature Story		Communi		Includes finding, writing,			
Fall 2007	COM654	654	Writing	COM	cation	4	polishing, and marketing feature	GR	LE	Lecture
							Theory, survey of research, and			
							experimental learning in			
							nonverbal communication.			
							Exploration of types and forms			
			Nonverbal				and of methods of sending and			
			Communicatio		Communi		receiving nonverbal			
Fall 2007	COM655	655	n	COM	cation	4	communication.	GR	LE	Lecture

						Study of communication in			
						intercultural environments.			
						Emphasis on research and theory			
						to better understand the			
			Intercultural		Communi	complexity of intercultural			
Fall 2007	COM657	657	Communicat	COM	cation	4 communication interactions.	GR	LE	Lecture
						(Also listed as ENG 658.) Editing			
						of copy for mass media with			
						emphasis on newspaper format,			
			Editing for the		Communi	headline writing, rewriting, and			
Fall 2007	COM658	658	Media	COM	cation	4 general copy desk.	GR	LE	Lecture
			Mass Media			Includes the study of laws and			
			Law &		Communi	regulations affecting mass			
Fall 2007	COM662	662	Regulati	COM	cation	4 media.	GR	LE	Lecture
						Analysis of contemporary			
						programming and production			
						practices including the			
			Broadcast		Communi	development of critical standards			
Fall 2007	COM664	664	Criticism	COM	cation	4 for evaluation.	GR	LE	Lecture
			Topics in			Examination of special topics in			
			Communicatio		Communi	the various areas of speech			
Fall 2007	COM671	671	n	COM	cation	4 communication. Titles vary.	GR	LE	Lecture
						Analysis of the unique			
						communication behaviors of the			
						elderly and the physical, social,			
						and emotional changes that			
						cause these behaviors.			
						Development of interpersonal,			
						interviewing, and reporting skills			
						by direct interaction with this			
			Com with the		Communi	age group. 3 hours lecture, 1			
Fall 2007	COM689	689	Elderly	COM	cation	4 hour off-campus interviewing.	GR	LE	Lecture

			Prins & Appli		Communi	Examines communication theory relevant to the role of the communication specialist. Special consideration given to the changing pattern of communication roles and the application of communication theory to the problems of the utilization specialist. Also focuses on the possible consequences of the diffusion of communication innovations within the business, educational, and governmental			
Fall 2007	COM741	741	Com Theory	COM	cation	4 institutions of American society.	GR	LE	Lecture
F-II 0007	0014704	704	Independent	0014	Communi	Supervised independent research		10	Independe
Fall 2007	COM781	781	Research	COM	cation	1 on a specific subject.	GR	IS	nt Study
F-II 0007	0014700	700	Continuing	0014	Communi		CD.	10	Independe
Fall 2007	COM789	789	Registration	COM	cation	1	GR	IS	nt Study
Fall 2007	CPE001	001	Field Experience	СРЕ	Cooperati ve Education	0	UG	IN	Internship
Fall 2007	CPE091	091	Cooperative Education I	СРЕ	Cooperati ve Education	0	UG	IN	Internship
Fall 2007	CPE092	092	Cooperative Education II	СРЕ	Cooperati ve Education	0	UG	IN	Internship

Fall 2007	CPL310	310	Prob in Comparative Lit	CPL	Comparati ve Literature	4	Readings in comparative literature dealing with themes, myths, genres, literary movements, or characters; e.g., the myth of Electra in the modern theater, the picaresque novel, existentialism in European fiction, and the ambitious hero in literature.	UG	LE	Lecture
			Studies- Selected		Comparati ve		Problems, approaches, and topics in the field of comparative			
Fall 2007	CPL399	399	Subjects Theory Comparative	CPL	Comparati ve	1	literature. Topics vary. History and development of comparative literature as a discipline; study of basic reference works and journals; papers and reports based on	UG	LE	Lecture
Fall 2007	CPL405	405	Lit Computer Programming	CPL	Literature		comparative studies. Introduction to use of computers as a problem-solving tool. Examples from and applications to a broad range of problems. Methodology for algorithm design and for structured modular implementation is	UG	LE	Lecture
Fall 2007 Fall 2007	CS141 CS141L	141 141L	Computer Program I Lab	CS	Science Computer Science		stressed. Three hours lecture, Required laboratory for CS 141.	UG	LE LB	Lecture Lab
. 311 2007	331112	1112	Computer Programming		Computer		Concepts introduced in CS 141 are developed in greater detail and depth. Emphasis on verification and testing of			
Fall 2007	CS142	142	II Computer Program II	CS	Science Computer	4	programs. Three hours lecture,	UG	LE	Lecture
Fall 2007	CS142L	142L	Lab	CS	Science	0	Required laboratory for CS 142.	UG	LB	Lab

						Introductory course in the use of computers in a professional environment. Personal computer work stations are employed and used for popular applications (e.g., word processing, spreadsheets and data base management, and electronic			Lecture/La
Fall 2007	CS205	205	Intro Comp Office Soft	CS	Computer Science	mail). Two hours lecture, four 4 hours lab.	UG	LL	Combinatio
I all 2007	C3203	203	Comp Soft	<u></u>	Computer	Advanced use of application software to increase productivity. Covers sharing data and files among different packages, spreadsheet macros and database integration.	UU	LL	n
Fall 2007	CS206	206	Prod Tools	CS	Science	4	UG	LE	Lecture
			Advanced Office		Computer	Emphasis is placed on understanding how packages interact within an integrated environment. Personal computers are used for sophisticated word processing and desktop publishing projects. State-of-the-art presentation			
Fall 2007	CS207	207	Productivity	CS	Science	4 techniques such as hypertext will Introduces basic concepts of programming. Examples are from business applications and	UG	LE	Lecture
			Comp Prog for		Computer	display graphics. Emphasis is on			
Fall 2007	CS208	208	Comp Prog for Bus I	CS	Computer Science	problem solving with the 4 computer as a tool.	UG	LE	Lecture
1 all 2007	03200	200	Comput Prog	U.S	Computer	4 computer as a tool.	UG	LE	Lecture
Fall 2007	CS208L	208L	Bus I Lab	CS	Science	0 Required laboratory for CS 208.	UG	LB	Lab

						Continuation of CS 208.			
						Introduces the basic concepts of			
						programming. Examples are			
						from business applications and			
						display graphics. Emphasis is on			
			Comp Prog for		Computer	problem solving with the			
Fall 2007	CS209	209	Bus II	CS	Science	4 computer as a tool.	UG	LE	Lecture
1 411 2007	00207	207	Comp Prog		Computer	r compater as a tool.			Lootaro
Fall 2007	CS209L	209L	Bus II Lab	CS	Science	0 Required laboratory for CS 209.	UG	LB	Lab
1 411 2007	002072	2072	Dus II Eub		Science	An introductory course to the		LD	Lub
						use of graphic objects in a			
						windows event-driven			
						environment providing a case			
						study of object-oriented			
						programming with Visual Basic in			
						Microsoft Windows to develop			
			Visual Basic		Computer	simple graphic user interfaces.			
Fall 2007	CS214	214	Programming	CS	Science	4 Need to be familiar with	UG	LE	Lecture
						Basic concepts of programming			
						and programming languages are			
			Computer			introducted. Emphasis is on			
			Programming		Computer	structured programming and			
Fall 2007	CS240	240	ı	CS	Science	4 stepwise refinement.	UG	LE	Lecture
			Computer Prg		Computer	•			
Fall 2007	CS240L	240L	I Lab	CS	Science	0 Required laboratory for CS 240.	UG	LB	Lab
			Computer			A continuation of CS 240. The			
			Programming		Computer	emphasis is on data abstraction			
Fall 2007	CS241	241	II	CS	Science	4 and software engineering.	UG	LE	Lecture
			Computer		Computer				
Fall 2007	CS241L	241L	Prog II Lab	CS	Science	0 Required laboratory for CS 241.	UG	LB	Lab
			Computer						
			Programming		Computer	Further refinement of the			
Fall 2007	CS242	242	III	CS	Science	4 concepts covered in CS 241.	UG	LE	Lecture
			Computer		Computer				
Fall 2007	CS242L	242L	Prog III Lab	CS	Science	0 Required laboratory for CS 242.	UG	LB	Lab

						Tools ariented approach to			
						Tools-oriented approach to			
						bioinformatics emphasizing data			
						structure and DNA, string			
						representation in PERL, data			
						searches, pairwise alignments,			
						substitution patterns, protein			
						structure prediction and			
			Intro to		Computer	modeling, proteomics, and the			
Fall 2007	CS271	271	Bioinformatics	CS	Science	4 use of web-based bioinformatic	UG	LE	Lecture
						Relational client server database			
						design and access techniques.			
						Includes building database			
						tables, writing SQL			
						statements/programs, and			
						developing user interfaces and			
			Intro to		Computer	reports for data retrieval using			
Fall 2007	CS302	302	Oracle/SQL DB	CS	Science	4 the internet.	UG	LE	Lecture
						Introduction to numerical			
						methods used in the sciences.			
						Methods of interpolation, data			
						smoothing, functional			
						approximation, integration,			
						solutions of systems of			
						equations, and solutions of			
			Numerical		Computer	ordinary differential equations.			
Fall 2007	CS316	316	Methods I	CS	Science	4 Three hours lecture, two hours	UG	LE	Lecture
1 411 2007	00010	0.0	Wothous I		00101100	An introduction to numerical			Lootaro
						methods used in the sciences.			
						Included will be methods of			
						interpolation, data smoothing,			
						functional approximation,			
						integration, solutions of systems			
						of equations, and solutions of			
			Numerical		Computer	ordinary differential equation. 3			
Eall 2007	CC217	317		CS			ПС	LE	Loctura
Fall 2007	CS317	31/	Methods II	US.	Science	4 hrs lecture, 2 hrs. laboratory.	UG	LE	Lecture

			Programming Lang		Computer	Self-directed study in computer languages. Individual workshops are offered in significant languages such as JAVA, COBOL, PL/1, SNOBOL, LISP, SIMSCRIPT, and GPSS. May be			
Fall 2007	CS340	340	Workshop	CS	Science	1 taken for letter grade or	UG	LE	Lecture
			Comp Tools		Computer	Introduction to the representation, visualization, and modeling of large data sets. Data analysis using standard high level software tools. Topics include data filtering, clustering,			
Fall 2007	CS350	350	Data Analysis	CS	Science	4 classification, and data mining.	UG	LE	Lecture
Fall 2007	CS399	399	Selected Topics	cs	Computer Science	Selected topics in computer science. May be taken for letter grade or pass/unsatisfactory.	UG	IS	Independe nt Study
rail 2007	C3377	377	Data Struc &		Computer	Study of the implementation of data structures and control structures in professional computer programs. Introduction to the fundamentals of complexity and analysis. Study of common standard problems and solutions (e.g., transitive closure and critical path). Emphasis on high-level language software design. Three hours lecture, two		13	iii Siddy
Fall 2007	CS400	400	Algorithms	CS	Science	4 hours lab.	UG	LE	Lecture

						Survey of logical and physical			
						aspects of database			
						management systems, including			
						entity-relationship and relational			
						data models; physical			
						implementation methods; query			
						languages; SQL, relational			
						algebra, relational calculus, and			
			Intro Data		Computer	QBE; experience in creating and			
Fall 2007	CS405	405	Base Mgt Sys	CS	Science	4 manipulating databases.	UG	LE	Lecture
1 411 2007	03403	703	Dasc ligt sys	0.5	Science	(Also listed as MTH 407.)	00	LL	Lecture
						Concepts of minima and			ļ
						maxima; linear programming;			ļ
						simplex method, sensitivity, and			
						duality; transportation and			
			Optimization		Computer	assignment problems; and			
Fall 2007	CS407	407	Techniques	CS	Science	3 dynamic programming.	UG	LE	Lecture
						Problem-solving methods in			
						artificial intelligence (AI) with			
						emphasis on heuristic			
						approaches. Topics include			
						methods of representation,			
						search, intelligent agents,			
						planning, learning, natural			
						language processing, logic,			Lecture/La
						inference, robotics, and case-			b
			Principles of		Computer	based reasoning. Three hours			Combinatio
Fall 2007	CS409	409	AI	CS	Science	4 lecture, two hours lab.	UG	LL	n
						(Also listed as MTH 410.) Turing			
						machines; 5-recursive functions;			
						equivalence of computing			
						paradigms; Church-Turing			
						thesis; undecidability;			
			Theory of		Computer	intractability. Three hours			
Fall 2007	CS410	410	Computing	CS	Science	4 lecture, two hours lab.	UG	LE	Lecture

	1	T	T	T					1
						Examines the impact of			
						computers and computing on			
						society. Topics include privacy,			
						dangers introduced by			
						computers performing critical			
						tasks, the effect of robots on the			
						work force, the impact of			
			Social Impl of		Computer	computers on education, and the			
Fall 2007	CS415	415	Computing	CS	Science	3 new legal issues introduced by	UG	LE	Lecture
			Writing in CS		Computer	Required writing component for			
Fall 2007	CS415W	415W	415	CS	Science	0 COM 415.	UG	LB	Lab
						(Also listed as MTH 419.)			
						Introduction to the mathematical			
						principles of data security.			
						Various developments in			
						cryptography are discussed,			
						including public-key encryption,			
						digital signatures, the data			
			Cryptog &		Computer	encryption standard (DES), and			
Fall 2007	CS419	419	Data Security	CS	Science	3 key safeguarding schemes.	UG	LE	Lecture
			,			(Also listed as MTH 458.)			
						Introduction to methods, results,			
						and algorithms from graph			
						theory. Emphasis on graphs as			
						mathematical models applicable			
			Applied Graph		Computer	to organizational and industrial			
Fall 2007	CS458	458	Theory	CS	Science	3 situations.	UG	LE	Lecture
						(Also listed as MTH 459.)			
						Introduction to some of the			
						mathematical tools needed for			
						an understanding of computer			
						programming. The topics			
						covered are summations,			
						elementary number theory,			
			Combinatorial		Computer	combinatorial identities,			
Fall 2007	CS459	459	Tools	CS	Science	3 generating functions, and	UG	LE	Lecture
1 all 2007	03437	407	10013	UJ	JUICHILE	5 yenerating functions, and	UU	LL	Lecture

							Introduction to the theory of			
							formal languages and automata.			
							Emphasis is on those classes of			
							languages commonly			
							encountered by computer			
			Intro Formal		Computer		scientists (e.g., regular and			
Fall 2007	CS466	466	Languages	CS	Science	4	context-free languages).	UG	LE	Lecture
							Introduction to simulation and			
							comparison with other			
							techniques. Discrete simulation			
							models. Introduction to queuing			
							theory and stochastic processes.			
							Comparison of simulation			
							languages. Simulation			
							methodology and selected			
			Systems		Computer		applications. Three hours			
Fall 2007	CS470	470	Simulation	CS	Science	4	lecture, two hours lab.	UG	LE	Lecture
							Theory-orientated approach to			
							the application of contemporary			
							algorithms to bioinformatics.			
							Graph theory, complexity theory,			
							dynamic programming and			
							optimization techniques are			
							introduced in the context of			
							application toward solving			
			Bioinformatic		Computer		specific computational problems			
Fall 2007	CS471	471	Algorithms	CS	Science	4	in molecular genetics.	UG	LE	Lecture
							Basic concepts and special-			
							purpose facilities in programming			
							languages examined through			
							several representative			
			Comparative		Computer		languages. Three hours lecture,			
Fall 2007	CS480	480	Languages	CS	Science	4	two hours lab.	UG	LE	Lecture
							Study and use of tools for			
							performing lexical, syntactic, and			
			Scan,Pars,Sem		Computer		semantic analysis of computer-			
Fall 2007	CS482	482	antic Analy	CS	Science	4	oriented languages.	UG	LE	Lecture

E-II 2007	00405	405	Undergraduat	00	Computer		Completion of a computer science research project. Writing and defending a thesis that describes the research and	110		Independe
Fall 2007	CS495	495	e Thesis	CS	Science	4	summarizes the results.	UG	IS	nt Study
							Selected topics in computer			
			Colootod		Communitar		science. May be taken for letter			Indonondo
Fall 2007	CC 400	400	Selected	CC	Computer	1	grade or pass/unsatisfactory, at	ПС	ıc	Independe
Fall 2007	CS499	499	Topics	CS	Science	I.	instructor's option.	UG	IS	nt Study
							(Also listed as MTH 516, 517.)			
							Introduction to numerical			
							methods used in the sciences.			
							Includes methods of			
							interpolation, data smoothing,			
							functional approximation,			
							integration, solutions of systems			
			Numarical		Computor		of equations, and solutions of			
Fall 2007	CS516	516	Numerical Methods I	CS	Computer Science	1	ordinary differential equations. 3 hours lecture, 2 hours lab.	GR	LE	Lecture
Fall 2007	C3510	210	Methons i	CS	Science	4	(Also listed as MTH 516, 517.)	GK	LE	Lecture
							Introduction to numerical			
							methods used in the sciences.			
							Includes methods of			
							interpolation, data smoothing,			
							functional approximation, integration, solutions of systems			
							of equations, and solutions of			
			Numerical		Computer		ordinary differential equations. 3			
Fall 2007	CS517	517	Methods II	CS	Science	1	hours lecture, 2 hours lab.	GR	LE	Lecture
raii 2007	U3011	317	Methods 11	U.S	Science	4	Introduction to the	GK	LE	Lecture
							representation, visualization, and			
							modeling of large data sets.			
							Data analysis using standard			
							high level software tools. Topics			
			Comp Tools		Computer		include data filtering, clustering,			
Fall 2007	CS550	550	Data Analysis	CS	Science	1	classification, and data mining.	UG	LE	Lecture
raii 2007	C3330	550	Data Arialysis	C3	Science	4	ciassification, and data militing.	UG	LL	Lecture

Fall 2007	CS600	600	Data Struc & Algorithms	CS	Computer Science	Study of the implementation of data structures and control structures in professional computer programs. Introduction to the fundamentals of complexity and analysis. Study of common standard problems and solutions (e.g., transitive closure and critical paths). Emphasis is on high-level language software design. 3 hours lecture, 2 hours 4 lab.	GR	LE	Lecture
Tun 2007		000	Intro to Data		Computer	Survey of logical and physical aspects of database management systems, including entity-relationship and relational data models; physical implementation methods; query languages; SQL, relational algebra, relational calculus, and QBE: experience in creating and	<u>GR</u>		Eddidio
Fall 2007	CS605	605	Mgt Systems Optimization	CS	Science	4 manipulating databases. (Also listed as MTH 607.) Concepts of minima and maxima; linear programming; simplex method; densitivity, and duality; transportation and	GR	LE	Lecture
Fall 2007	CS607	607	Techniques	CS	Science	3 assignment problems, dynamic	GR	LE	Lecture

			Principles of		Computer	Problem-solving methods in artificial intelligence (AI) with emphasis on heuristic approaches. Topics include knowledge representation, search, intelligent agents, planning, learning, natural language processing, logic, inference, robotics, and casebased reasoning. 3 hours			Lecture/La b Combinatio
Fall 2007	CS609	609	AI	CS	Science	4 lecture, 2 hours lab.	GR	LL	n
E # 0007	20/42	(10	Theory of		Computer	(Also listed as MTH 610) Turing Machines; partial-recursive functions; equivalence of computing paradigms; Church-Turing thesis; undercidability;	0.0		
Fall 2007	CS610	610	Computing	CS	Science	4 intractability. (Also listed as MTH 619.) Introduction to the mathematical principles of data security. Various developments in cryptography are discussed, including public-key encryption, digital signatures, the data	GR	LE	Lecture
	20/10		Cryptog &	00	Computer	encryption standard (DES), key	0.0	. –	
Fall 2007	CS619	619	Data Security Applied Graph	CS	Science	3 safeguarding schemes. (Also listed as MTH 658.) Introduction to methods, results, and algorithms from graph theory. Emphasis on graphs as mathematical models applicable to organizational and industrial	GR	LE	Lecture
Fall 2007	CS658	658	Theory	CS	Science	3 situations.	GR	LE	Lecture

Fall 2007	CS659	659	Combinatorial Tools	cs	Computer Science	(Also listed as MTH 659.) Introduction to some of the mathematical tools needed for understanding computer programming. Topics include summations, elementary number theory, combinatorial identities, generating functions, and 3 asymptotics.	GR	LE	Lecture
Fall 2007	CS666	666	Intro Formal Languages	CS	Computer Science	Introduction to the theory of formal languages and automata. Emphasis is on those classes of languages commonly encountered by computer scientists (e.g. regular and 4 context-free lanugages)	GR	LE	Lecture
			Systems		Computer	Introduction to simulation and comparison with other techniques; discrete simulation models; introduction to queuing theory and stochastic processes; comparison of simulation languages; simulation methodology; selected applications of simulation. Students must show ability to solve problems using simulation techniques. 3 hours lecture, 2			
Fall 2007	CS670	670	Simulation	CS	Science	4 hours lab.	GR	LE	Lecture

						Theory-oriented approach to the application of contemporary algorithms to bioinformatics. Graph Theory, complexity theory, dynamic programming and optimization techniques are introduced in the context of			
			Bioinformatic		Computer	application toward solving specific computational problems			
Fall 2007	CS671	671	Algorithms	CS	Science	4 in molecular genetics.	GR	LE	Lecture
			Comparative		Computer	Basic concepts and special purpose facilities in programming languages, examined through several representative			
Fall 2007	CS680	680	Languages	CS	Science	4 languages. 3 hours lecture, 2	GR	LE	Lecture
Fall 2007	CS682	682	Scan, Pars, Semntic Analy	CS	Computer Science	Study and use of tools for performing lexical, syntactic, and semantic analysis of computer-oriented languages.	GR	LE	Lecture
Fall 2007	C3062	002	Selected	CS	Computer	Study of selected topics in computer science. Titles vary. May be taken for a letter grade	GK	LC	Independe
Fall 2007	CS699	699	Topics	CS	Science	1 or pass/unsatisfactory.	GR	IS	nt Study
			Prin Instr			A survey of available instructional materials and discussion of educational theory and techniques leading to more effective instruction. For			
Fall 2007	CS700	700	computer Sci	CS	Computer Science	graduate teaching assistants in 3 the Department of Computer	GR	IS	Independe nt Study

Fall 2007	06701	701	Database Sys	00	Computer	Introduction to basic goals and techniques in the design and implementation of information retrieval systems. Input, file organization, search strategies, output, language design, and evaluation techniques are covered. 3 hours lecture, 2 hours	CD		Lacture
Fall 2007	CS701	701	& Design	CS	Science	4 lab. Data forms, data preparation, cleaning, feature selection, diseretization, high-level statistical analysis; associations; calssification; clustering, data cubes; interestingness, cross-validation; visualization; scalability; privacy and ethics; applications. 3 hours lecture, 2	GR	LE	Lecture Lecture/La b Combinatio
Fall 2007	CS705	705	Data Mining Knowledge-Based	CS	Science	hours lab. Continuation of CS 609. Topics covered include techniques for handling judgmental knowledge, semantic networks, and frame-based systems. Useful constructs and architectures for AI systems are discussed. 3 hours lecture, 2		LL	n
Fall 2007	CS711	711	Systems Adv Topics in	CS	Science	4 hours lab. Covers advanced topics in artificial intelligence theory and applications. These are taken from such areas as natural language processing, machine learning, advanced AI programming techniques, and	GR	LE	Lecture
Fall 2007	CS712	712	Al	CS	Science	4 search and planning.	GR	LE	Lecture

						Reviews the development of machine learning paradigms.	
						Introductory topics include	
						parameter adjustment methods,	
						signature tables, and the	
						application of genetic algorithms	
			Machine		Computer	to artificial intelligence problem	
Fall 2007	CS714	714	Learning I	CS	Science	4 domains. GR LE Lee	ecture
						(Also listed as MTH 716.) Topics	
						chosen with emphasis on	
						computational linear algebra.	
						Systems of linear equations and	
						Gaussian elimination;	
						computation of eigenvalues and	
						eigenvectors; matrix	
			Numerical		Computer	exponential; norm and condition	
Fall 2007	CS716	716	Analysis I	CS	Science	4 number; and iterative methods. GR LE Le	ecture
						(Also listed as MTH 717.) Finite	
						difference methods for partial	
			Numerical		Computer	differential equations; analysis of	
Fall 2007	CS717	717	Analysis II	CS	Science	4 stability and convergence. GR LE Le	ecture
						(Also listed as MTH 718.) Finite	
						element methods for elliptic	
						boundary value problems;	
						analysis of errors; approximation	
						by finite element spaces; effects	
						of curved boundaries, numerical	
			Numerical		Computer	integration; finite element	
Fall 2007	CS718	718	Analysis III	CS	Science		ecture
						Introduction to the modeling and	
						analysis of computer system	
						performance as a function of the	
						hardware and software	
						components of the system. 3	
						hours lecture, 2 hours lab.	
Ì			Eval & Pred		Computer	Completion of a statistics course	
Fall 2007	CS735	735	Sys Perform	CS	Science	4 required. GR LE Le	ecture

			Comp			Time complexity analysis of algorithms; computational	
			Complex &		Computer	complexity; NP completeness. 3	
Fall 2007	CS740	740	Algorithm	CS	Science	4 hours lecture, 2 hours lab. GR LE L	ecture
						Information processing in neural	
						networks as a mode of	
						computation complementary to	
						symbolic artificial intelligence,	
						emphasizing common ideas	
						across different network	
						architectures. Current	
						applications in machine learning	
			Foundations of		Computer	and spatiotemporal pattern	
Fall 2007	CS765	765	Neurocomp	CS	Science	3	ecture
						Explores evolutionary	
						computation from a historical,	
						theoretical, and an application	
						viewpoint. Evolutionary search	
						techniques including genetic	
						algorithms, evolutionary	
						programming, and genetic	
						programming applied to	
			Evolutionary		Computer	problems in control,	
Fall 2007	CS766	766	Computing	CS	Science	4 optimization, and classification GR LE L	ecture
						Provides an introduction to fuzzy	
						set theory that serves as a basis	
						for the study of fuzzy rule-based	
						systems, pattern classification,	
			Fuzzy Set		Computer	function approximation,	
Fall 2007	CS767	767	Theory	CS	Science	4 modeling, and information GR LE L	ecture
						Survey of issues that arise in	
						computer understanding of	
						natural languages like English.	
						Topics include significance of	
						language structure in extracting	
			Natural Lang		Computer	meaning, ambiguities, parsing	
Fall 2007	CS771	771	Techniques	CS	Science	4 techniques and case studies. GR LE L	ecture

						(Continuation of CS 771.			
							Computational methods for			
							dealing with natural language			
							semantics are introduced. Topics			
							nclude semantic networks,			
							conceptual dependency graphs,			
			Adv Natural		Computer		and formal logic as a semantic			
Fall 2007	CS772	772	Lang Concpts	CS	Science		model.	GR	LE	Lecture
1 411 2007	00772	,,_	Larig correpts	00	00101100		Theory and practice of logic	O.C		Lootaro
							programming. Application of			
							Prolog to artificial intelligence,			
							anguage analysis, and symbolic			
							orogramming. Some attention to			
							mplementation issues,			
							constraint logic programming,			
							and concurrent logic languages.			
			Logic		Computer		An acquaintance with Prolog is			
Fall 2007	CS774	774	Programming	CS	Science		assumed.	GR	LE	Lecture
1 411 2007	00771	771	rrogramming	00	Ocionico		n-depth look at functional	OI C	LL	Ecotoro
							programming techniques, and			
			Functional		Computer		functional languages and their			
Fall 2007	CS776	776	Programming	CS	Science		mplementation.	GR	LE	Lecture
							Complete compiler for a small			
							programming language is			
							discussed. Topics covered are			
			Compiler				scanning, syntax analysis, and			
			Design &		Computer		code generation. 3 hours lecture,			
Fall 2007	CS780	780	Const	CS	Science		2 hours lab.	GR	LE	Lecture
							Continuation of CS 780. Topics			
			Compiler				are covered in more depth.			
			Design&Const		Computer		Project is required. 3 hours			
Fall 2007	CS781	781	II	CS	Science		ecture, 2 hours lab.	GR	LE	Lecture
							Continuation of CS 781.			
			Compiler			(Concentration on major design			
			Design&Const		Computer		project. 3 hours lecture, 2 hours			
Fall 2007	CS782	782	III	CS	Science		ab.	GR	LE	Lecture

							Programming paradigms and			
							concepts for high level			
							programming languages.			
			Programming		Computer		Techniques for formal			
Fall 2007	CS784	784	Languages	CS	Science	4	specification.	GR	LE	Lecture
			Continuing		Computer					Independe
Fall 2007	CS789	789	Registration	CS	Science	1		GR	IS	nt Study
							Lectures on and study of			
							selected topics in current			
			Selected				research and recent			
			Topics Comp		Computer		developments in computer			
Fall 2007	CS790	790	Sci:	CS	Science	4	science. 3 hours lecture, 2 hours	GR	LE	Lecture
							Special problems in advanced			
			Independent		Computer		computer science topics. Graded			Independe
Fall 2007	CS795	795	Study	CS	Science	1	pass/unsatisfactory.	GR	IS	nt Study
					Computer					Independe
Fall 2007	CS799	799	Thesis	CS	Science	1	Graded pass/unsatisfactory.	GR	IS	nt Study
							Continuation of CS 701 with			
							emphasis on relational databases			
							and distributed systems. Current			
							literature will be reviewed. At			
							least one programming project			
			Adv topic in		Computer		bridging the gap from theory to			
Fall 2007	CS801	801	Database Sys	CS	Science		practice.	GR	LE	Lecture
							Continuation of CS 610, 666, and			
							740. Covers advanced topics			
							taken from formal language			
							theory, predicate calculus,			Lecture/La
			Adv Topic-				algorithm analysis, and			b
			Theory of		Computer		complexity theory. 3 hours			Combinatio
Fall 2007	CS840	840	Compu	CS	Science	4	lecture, 2 hours lab.	GR	LL	n

						Covers advanced topics in soft computing. Soft computing paradigms include fuzzy set theory, neural networks, evolutionary computing, and probabilistic and statistical techniques. Particularly, relationships and interactions			
			Adv Topics in		Computer	between these disciplines will be			
Fall 2007	CS865	865	Soft Comp	CS	Science	4 explored.	GR	LE	Lecture
						Continuation of CS 784.			
						Emphasis on formal methods for			
			Adv. Tanias in		C = t = -	specifying and defining both the			
Fall 2007	CC004	004	Adv Topics in	CC	Computer	syntax and the semantics of	CD	l F	Lecture
Fall 2007	CS884	884	Prog Lang	CS	Science	4 programming languages.	GR	LE	
Fall 2007	CS890	890	Selected	CS	Computer	Selected topics in computer	GR	IS	Independe
Fall 2007	C3890	890	Topics	CS	Science	1 science and engineering. Registration in the Ph.D. seminar	GK	13	nt Study
						is required of all students			
						seeking the Ph.D. in computer			
					Computer	science and engineering. Graded			
Fall 2007	CS891	891	PhD Seminar	CS	Science	1 pass/unsatisfactory.	GR	SE	Seminar
2007		07.			00.000	Examination that tests			901111141
						understanding of the			
						fundamentals necessary to begin			
						concentrated study in chosen			
						Ph.D. research area. Composed			
						of written tests and an oral			
						exam. Must be passed within			
			PhD Qualifying		Computer	two attempts. Graded			Independe
Fall 2007	CS892	892	Exam	CS	Science	1 pass/unsatisfactory.	GR	IS	nt Study

						Examination that tests for depth			
						of understanding in a chosen			
						computer science and computer			
						engineering research area.			
						Includes a written proposal for a			
						Ph.D. topic and an oral			
						examination, that is open to the			
			Candidacy		Computer	public. Graded			Independe
Fall 2007	CS894	894	Exam	CS	•	pass/unsatisfactory.	GR	IS	nt Study
						Independent study in a chosen			3
			Independent		Computer	area for Ph.D. research. Graded			Independe
Fall 2007	CS895	895	Study	CS	Science	1 pass/unsatisfactory.	GR	IS	nt Study
						Examination on the Ph.D.			
						dissertation. The written			
						dissertation is submitted and			
						must be successfully defended in			
						the oral exam conducted by the			
			Dissertation		Computer	dissertation committee. Graded			Independe
Fall 2007	CS896	896	Defense	CS	Science	1 pass/unsatisfactory.	GR	IS	nt Study
						Research on the Ph.D.			
						dissertation topic taken in			
			Residency		Computer	residence. Graded			Independe
Fall 2007	CS897	897	Research	CS	Science	1 pass/unsatisfactory.	GR	IS	nt Study
						Research on the Ph.D.			
						dissertation topic not taken in			
			Dissertation		Computer	residence. Graded			Independe
Fall 2007	CS898	898	Research	CS	Science	1 pass/unsatisfactory.	GR	IS	nt Study
						Examination of political			
						processes and economic systems			
					Comparati	in Asia, Africa, Latin America,			
			Comp		ve	and the Middle East with special			
			Nonwest Econ		Studies/C	attention to contemporary			
Fall 2007	CSE250	250	Systems	CSE		4 issues. Titles vary.	UG	LE	Lecture
					Comparati				
					ve				
			Writing in CSE		Studies/C	Required writing component for			
Fall 2007	CSE250W	250W	250	CSE	SE	O CSE 250.	UG	LB	Lab

						Examination of distinctive environments of Asia and Africa through analysis of the geographic patterns of land use,			
					Comparati	population, settlements,			
			Comp NW		ve	economic activities, languages,			
Fall 2007	CST221	221	Environments	CST	Studies	4 religions, and political systems.	UG	LE	Lecture
					Comparati				
			Writing in CST		ve	Required writing component for			
Fall 2007	CST221W	221W	221	CST	Studies	0 CST 221.	UG	LB	Lab
						Examination of the world views			
						of selected non-Western peoples			
						and their varied expressions in			
			Comp		Comparati	literature, emphasizing examples			
			Nonwest		ve	from Asia, Africa, Latin America,			
Fall 2007	CST231	231	Literature	CST	Studies	4 and the Middle East.	UG	LE	Lecture
					Comparati				
			Writing in CST		ve	Required writing component for			
Fall 2007	CST231W	231W	231	CST	Studies	0 CST 231.	UG	LB	Lab
						An introduction to the academic			
						study of some of the major non-			
						Western religious traditions of			
						the world, examining their			
						historical development,			
			Comp		Comparati	fundamental doctrines and			
			Nonwest		ve	beliefs, practices, institutions,			
Fall 2007	CST232	232	Religions	CST	Studies	4 and cultural expressions.	UG	LE	Lecture
					Comparati				
			Writing in CST		ve	Required writing component for			
Fall 2007	CST232W	232W	232	CST	Studies	0 CST 232.	UG	LB	Lab

							Francisco di consite faces es			
							Examines diversity from an			
							anthropological perspective,			
							utilizing concepts and methods			
							of cultural anthropology.			
							Students will use a holistic			
							approach to analyzing non-			
			Comp		Comparati		Western cultures while gaining			
			Nonwest		ve		understanding of the distinctive			
Fall 2007	CST241	241	Cultures	CST	Studies	4	research methods of cultural	UG	LE	Lecture
					Comparati					
i			Writing in CST		ve		Required writing compnent for			
Fall 2007	CST241W	241W	241	CST	Studies	0	CST 241.	UG	LB	Lab
							Introduction to the music and			
Ì							cultural diversity and uniqueness			
							of selected areas of the globe.			
							This course includes the study of			
							indigenous folk music and			
					Comparati		instruments of Asia, India, Africa,			
			Comp NW		ve		North America, Central and			
Fall 2007	CST242	242	Culture: Music	CST	Studies	4	Southeast Europe.	UG	LE	Lecture
					Comparati		·			
			Writing in CST		ve		Required writing component for			
Fall 2007	CST242W	242W	242	CST	Studies	0	CST 242.	UG	LB	Lab
							An introduction to the cultural			
							diversity and uniqueness of			
					Comparati		selected areas of Asia, Africa,			
			Comp NW		ve		Latin America, and the Middle			
Fall 2007	CST243	243	Culture: Art	CST	Studies	4	East as reflected in art.	UG	LE	Lecture
					Comparati					
			Writing in CST		ve		Required writing component for			
Fall 2007	CST243W	243W	243	CST	Studies	0	CST 243.	UG	LB	Lab
							Examination of political			
							processes and economic systems			
							in Asia, Africa, Latin America,			
					Comparati		and the Middle East with special			
			Comp NW		ve		attention to contemporary			
Fall 2007	CST251	251	Social Systems	CST	Studies	4	issues. Titles vary.	UG	LE	Lecture
-aii 2007	CS1251	25 I	Social Systems	C21	Studies	4	issues. Titles vary.	UG	LE	Lecture

					Comparati				
			Writing in CST		ve	Required writing component for			
Fall 2007	CST251W	251W	251	CST	Studies	0 CST 251.	UG	LB	Lab
						For beginning CTE teachers who			
						possesss occupational			
						experience yet have limited or no			
					Career	formal training in an education			
					and	setting. Candidates will learn			
			Pre-Serv		Technical	teaching pedagogy and skills			
Fall 2007	CTE400	400	Wkshp in CTE	CTE	Education	8 required for their new role as	UG	LE	Lecture
						This course will focus on			
						examination, discussion,			
						application and reporting of best			
						practices related to instructional			
						strategies. Students will learn			
					Career	techniques that maxmize			
					and	instructional time, and reflect on			
			The Learning		Technical	the learning environment they			
Fall 2007	CTE410	410	Environment	CTE	Education	4 provide.	UG	LE	Lecture
						Demonstration of proficiencies			
						outlined in the Ohio Performance			
						Based Teacher Licensure			
						Standards. For teachers that			
					Career	possess business/industry			
					and	experience and have been hired			
			Clin Praci-		Technical	to teach a Career and Technical			
Fall 2007	CTE415	415	Undergrad	CTE	Education	4 Education program area.	UG	LE	Lecture
						To improve student			
						achievement, curriculum is			
						prioritized so that teachers may			
						focus on the most important			
					Career	standards. Participants will			
					and	examine research on prioritizing			
			Assessment &		Technical	curriculum, and learn to create a			
Fall 2007	CTE420	420	Instruction	CTE	Education	4 curriculum map and monitor	UG	LE	Lecture

						To improve student			
						To improve student			
						achievement, curriculum is			
						prioritized so that teachers may			
						focus on the most important			
					Career	standards. Participants will			
					and	examine research on prioritizing			
			Prioritize &		Technical	curriculum, and learn to create a			
Fall 2007	CTE430	430	Map Curric	CTE	Education	4 curriculum map and monitor	UG	LE	Lecture
						Study of Career and Technical			
						Education, including (but not			
						limited to) Philosophy of CTE;			
					Career	federal legislation; legal issues;			
					and	special needs, professional and			
			Overview of		Technical	student organizations; current			
Fall 2007	CTE440	440	CTE	CTE	Education	4 issues in CTE.	UG	LE	Lecture
						Communicating in today's fast-			
						paced, competitive workforce			
						requires understanding of			
						effective communication			
						principles and techniques such			
					Career	as computer technology, e-mail,			
					and	customer service,			
			Communica		Technical	documentation, and other			
Fall 2007	CTE450	450	Tech in CTE	CTE	Education	4 contemporary workplace	UG	LE	Lecture
						Promotion of a safe learning and			
						working environment through			
						examination of responsibilities			
						such as safety, liability,			
						documentaiton, OSHA, MSDS,			
					Career	fire safety, minor labor laws,			
					and	accident prevention, ergonomics			
			Occupa Safety		Technical	and movement, sexual			
Fall 2007	CTE480	480	in CTE	CTE	Education	4 harassment and gender equity.	UG	LE	Lecture

							When working with students			
							When working with students			
							with exceptionalities, there are			
							distinctions in interests, abilities			
							and temperament. These			
							distinctions have implications for			
					Career		teaching and learning so that			
					and		CTE teachers must rethink how			
			Understdg &		Technical		they prepare the educational			
Fall 2007	CTE481	481	Tchg At-Risk	CTE	Education	4	environment.	UG	LE	Lecture
							Communicating in today's fast-			
							paced, competitive workforce			
							required understanding of			
							effective communication			
							principles and techniques such			
							as computer technology, email,			
					Career		customer service,			
					and		documentation, and other			
			Communicatio		Technical		contemporary workplace			
Fall 2007	CTE611	611	n Techniques	CTE	Education		communication issues. Bring	GR	LE	Lecture
							This course will focus on			
							examination, discussion,			
							application and reporting of best			
							practices related to instructional			
							strategies. Students will learn			
					Career		techniques that maximize			
					and		instructional time, and reflect on			
			The Learning		Technical		the learning environment they			
Fall 2007	CTE621	621	Environment	CTE	Education	1	provide.	GR	LE	Lecture
1 411 2007	CILUZI	021	LITVITOTITIETI	OIL	Ludcation		Curriculum standards determine	OK	LL	Lecture
							outcome, assessments chart			
							progress toward the standards,			
							and instruction supports students			
							in completing assignments.			
							Participants will develop			
					Caroor					
					Career		assessments that measure			
			A a a a a a ma a m t a		and		achievement so that student			
Fall 2007	OTE / 24	/ 21	Assessment &	СТГ	Technical	4	evaluation becomes part of the	CD	1.5	l
Fall 2007	CTE631	631	Instruction	CTE	Education	4	learning process.	GR	LE	Lecture

						Study of Carerr and Technical	
						Education incuding (but not	
						limited to): Philosophy of CTE;	
					Career	federal legislation; legal issues;	
					and	special needs; professional and	
			Overview of		Technical	student organizations; current	
Fall 2007	CTE651	651	CTE	CTE	Education	4 issues in CTE. GR LE Lectu	uro
raii 2007	CIEOSI	001	CIE	CIE	Euucation	For beginning CTE teachers who	JI E
						possess occupational experience	
					0	yet have limited or no formal	
					Career	training in an education setting.	
			Day Carry		and	Teachers will learn basic	
F 11 0007	OTE / 74	.74	Pre-Serv	0.75	Technical	teaching skills and knowledge	
Fall 2007	CTE671	671	Wkshp in CTE	CTE	Education	8 required for their new role as GR LE Lectu	<u>ure</u>
						Demonstration of proficiencies	
						outlined in the Ohio Performance-	
						Based Teacher Licensure	
						Standards. For teachers that	
					Career	posess business/industry	
					and	experience and have been hired	
			Clin Prac I -		Technical	to teach a Career & Technical	
Fall 2007	CTE672	672	Grad	CTE	Education	4 Education program area. GR LE Lectu	ure
						Demonstration of proficiencies	
						outlined in the Ohio Performance-	
						Based Teacher Licensure	
						Standards. For teachers that	
						possess a current Ohio teaching	
					Career	license, baccalaureate degree,	
					and	business/industry experience and	
			Clin Prac II -		Technical	hired to teach Career and	
Fall 2007	CTE673	673	Grad	CTE	Education	4 Technical Education. GR LE Lectu	ure

						To improve student			
						To improve student			
						achievement, curriculum is			
						prioritized so that teachers may			
						focus on the most important			
					Career	standards. Participants will			
					and	examine research on prioritizing			
					Technical	curriculum, learn to create a			
Fall 2007	CTE675	675	Priori & Curric	CTE	Education	4 curriculum map, and monitor	GR	LE	Lecture
						Introduction to the basic			
						fundamentals of operating a			
						Career-Based Intervention (CBI)			
						program. Includes information			
						on exceptional learners in terms			
					Career	of development, learning			
					and	capacities and needs, and also			
			Fundamentals		Technical	development of strategies for			
Fall 2007	CTE680	680	of CBI	CTE	Education	4 marketing a CBI program.	GR	LE	Lecture
						Study of the curriculum and			
						assessment in the operation and			
						planning of a Career-Based			
						Intervention (CBI) program.			
					Career	Includes the coordination of			
					and	classroom-related instruction			
			Curric and		Technical	with workplace experience and			
Fall 2007	CTE681	681		CTE	Education	4 community support.	GR	LE	Lecture
						Examination of issues related to			
						the teacher's role in the			
						coordination, development and			
						modification of the environment,			
					Career	curriculum and instruction, so			
			Environ		and	that academics and a workplace			
			Exceptional		Technical	context for learning maximize			
Fall 2007	CTE682	682	Sts	CTE	Education	4 students' academic success.	GR	LE	Lecture

						Examination and discussion of			
						Career & Technical Education,			
						including: Image of CTE;			
						Perkins; maintaining a safe			
						learning environment; legal			
						issues; instructional resources;			
					Career	partnerships; student			
					and	organizations; students with			
			Seminar in		Technical	special needs; technology;			
Fall 2007	CTE728	728	CTE	CTE	Education	4 service learning; exemplary	GR	SE	Seminar
						This course will acquaint CTE			
						master's degree candidates with			
						the purpose and design of			
					Career	research writing, review current			
					and	and historical research, and			
			Research in		Technical	provide assistance in developing			
Fall 2007	CTE730	730	CTE	CTE	Education	4 the master's project.	GR	SE	Seminar
1 411 2007	012730	730	DAGSI	OIL	Eddeation	Title muster 3 project.	OIX	JL	Scriiiiai
Fall 2007	DAG501	501	Registration	DAG	DAGSI	0.5	GR	LE	Lecture
2007	27.000.		DAGSI		27.00.				200000
Fall 2007	DAG601	601	Registration	DAG	DAGSI	0.5	GR	LE	Lecture
			DAGSI						
Fall 2007	DAG701	701	Registration	DAG	DAGSI	0.5	GR	LE	Lecture
			DAGSI						
Fall 2007	DAG801	801	Registration	DAG	DAGSI	0.5	GR	LE	Lecture
			J			Introduction to vocabulary,			
						techniques, and theories of			
						ballet. Emphasis on body			
						alignment and effective methods			
						for gaining strength and			
Fall 2007	DAN101	101	Ballet I	DAN	Dance	3 flexibility necessary for proper	UG	LB	Lab
						Introduction to vocabulary,			
						techniques, and theories of			
						ballet. Emphasis on body			
						alignment and effective methods			
						for gaining strength and			
Fall 2007	DAN102	102	Ballet I	DAN	Dance	3 flexibility necessary for proper	UG	LB	Lab
1 all 2007	DAN 102	102	paliet i	DAN	Darice	allievininth Heressarh for brober	UU	LD	Lau

						Introduction to vocabulary			
						3			
						•			
						0			
DAM102	102	Dollot I	DAN	Donos	2		шс	LD	Lab
DANTUS	103	Ballet I	DAN	Dance	3	, , ,	UG	LB	Lab Lecture/La
						9			
		Dear Dellet fem				S			b Camabinatia
DANIAGA	104		DANI	D	0				Combinatio
DAN 104	104	Music In	DAN	Dance	2		UG	LL	n
						0			Lecture/La
									b
									Combinatio
DAN105	105	Music Th	DAN	Dance	2		UG	LL	n
						5 5			Lecture/La
						9			b
		•							Combinatio
DAN106	106	Music Th	DAN	Dance	2		UG	LL	n
						Introduction to formalized			
						movement: analysis and practice			
						of action in time and space, use			
						of dynamics, body toning,			
		Fundamentals				alignment, flexibility, strength,			
DAN111	111	of Dance	DAN	Dance	3	and coordination.	UG	LB	Lab
						Introduction to formalized			
						movement: analysis and practice			
									Lecture/La
						•			b
		Fundamentals				, ,			Combinatio
DAN112	112		DAN	Dance	3		UG	LL	n
						•			
		Fundamentals				, ,			
DAN113	113		DAN	Dance	3	•	UG	I B	Lab
	DAN103 DAN104 DAN105 DAN111 DAN1112	DAN104 104 DAN105 105 DAN106 106 DAN111 111 DAN112 112	DAN104 104 Beg Ballet for Music Th DAN105 105 Beg Ballet for Music Th DAN106 106 Beg Ballet for Music Th DAN111 111 Fundamentals of Dance DAN112 112 Fundamentals of Dance Fundamentals	DAN104 104 Beg Ballet for Music Th DAN DAN105 105 Beg Ballet for Music Th DAN DAN106 106 Beg Ballet for Music Th DAN DAN111 111 Fundamentals of Dance DAN DAN112 112 Fundamentals of Dance DAN Fundamentals of Dance DAN	DAN104 104 Beg Ballet for Music Th DAN Dance DAN105 105 Beg Ballet for Music Th DAN Dance DAN106 106 Beg Ballet for Music Th DAN Dance DAN111 111 of Dance DAN Dance Fundamentals of Dance DAN Dance Fundamentals of Dance Fundamentals DAN Dance	DAN104 104 Beg Ballet for Music Th DAN Dance 2 Beg Ballet for Music Th DAN Dance 2 Beg Ballet for Music Th DAN Dance 2 Beg Ballet for Music Th DAN Dance 2 Fundamentals of Dance DAN Dance 3 Fundamentals of Dance DAN Dance 3 Fundamentals of Dance DAN Dance 3	DAN104 104 Music Th DAN Dance 2 musical theatre. DAN105 105 Music Th DAN Dance 2 musical theatre. DAN106 106 Music Th DAN Dance 2 musical theatre. DAN107 Dance 2 musical theatre. This beginning level of ballet is geared to the dance needs of students preparing for careers in musical theatre. This beginning level of ballet is geared to the dance needs of students preparing for careers in musical theatre. This beginning level of ballet is geared to the dance needs of students preparing for careers in musical theatre. Introduction to formalized movement: analysis and practice of action in time and space, use of dynamics, body toning, alignment, flexibility, strength, and coordination. DAN111 111 of Dance DAN Dance 3 and coordination. Fundamentals DAN Dance 3 and coordination. Introduction to formalized movement: analysis and practice of action in time and space, use of dynamics, body toning, alignment, flexibility, strength, and coordination. Introduction to formalized movement: analysis and practice of action in time and space, use of dynamics, body toning, alignment, flexibility, strength, and coordination. Fundamentals DAN112 112 of Dance DAN Dance 3 introduction to formalized movement: analysis and practice of action in time and space, use of dynamics, body toning, alignment, flexibility, strength, alignment, flexibility strength, alignment, flexibility strength,	DAN103 103 Ballet I DAN Dance 3 flexibility, necessary for proper UG DAN104 104 Music Th DAN Dance 2 musical theatre. UG DAN105 105 Music Th DAN Dance 2 musical theatre. UG DAN106 106 Music Th DAN Dance 2 musical theatre. UG DAN107 DAN Dance 2 musical theatre. UG This beginning level of ballet is geared to the dance needs of students preparing for careers in sudents preparing for careers in DAN Dance 2 musical theatre. UG This beginning level of ballet is geared to the dance needs of students preparing for careers in UG This beginning level of ballet is geared to the dance needs of students preparing for careers in UG This beginning level of ballet is geared to the dance needs of students preparing for careers in UG This beginning level of ballet is geared to the dance needs of students preparing for careers in UG This beginning level of ballet is geared to the dance needs of students preparing for careers in UG This beginning level of ballet is geared to the dance needs of students preparing for careers in UG This beginning level of ballet is geared to the dance needs of students preparing for careers in UG This beginning level of ballet is geared to the dance needs of students preparing for careers in UG This beginning level of ballet is geared to the dance needs of students preparing for careers in UG This beginning level of ballet is geared to the dance needs of students preparing for careers in UG This beginning level of ballet is geared to the dance needs of students preparing for careers in UG This beginning level of ballet is geared to the dance needs of students preparing for careers in UG This beginning level of ballet is geared to the dance needs of students preparing for careers in UG This beginning level of ballet is geared to the dance needs of students preparing for careers in UG This beginning level of ballet is geared to the dance needs of students preparing for careers in UG This beginning level of ballet is geared to the dance needs of students preparing for careers in UG	techniques, and theories of ballet. Emphasis on body alignment and effective methods for gaining strength and offective methods for gaining strength and offetic methods for gaining strength and offetic methods for gaining strength and offetic methods for gaining strength and offetic methods for gaining strength and offetic methods for gaining strength and offetic methods for gaining strength and offetic methods for gaining strength alignment, flexibility, strength, alignment, flexibility strength, alignment

						and cor	sis on various traditional ntemporary jazz			
			Begin Jazz				ues and styles within the			
Fall 2007	DAN121	121	Musical Th	DAN	Dance		f musical theatre.	UG	LB	Lab
						•	sis on various traditional			Lecture/La
							ntemporary jazz			b
			Begin Jazz			techniq	ues and styles within the			Combinatio
Fall 2007	DAN122	122	Musical Th	DAN	Dance	1 realm o	f musical theatre.	UG	LL	n
						Emphas	sis on various traditional			Lecture/La
						and cor	ntemporary jazz			b
			Begin Jazz			techniq	ues and styles within the			Combinatio
Fall 2007	DAN123	123	Musical Th	DAN	Dance	1 realm o	f musical theatre.	UG	LL	n
						First-ye	ar intermediate work in			
						jazz dar	nce technique. Emphasis			
						is on te	chnical proficiency and			
						versatili	ity through staccato and			
						lyrical n	novements. Focus on			
						musical	ity and individual artistry.			
			Intermediate			Prerequ	uisite: DAN 111 or			
Fall 2007	DAN131	131	Jazz I	DAN	Dance	2 permiss	sion of department.	UG	LB	Lab
						First-ye	ar intermediate work in			
						jazz dar	nce technique. Emphasis			
						is on te	chnical proficiency and			
						versatili	ity through staccato and			
						lyrical n	novements. Focus on			
						musical	ity and individual artistry.			
			Intermediate				isite: DAN 131 or			
Fall 2007	DAN132	132	Jazz I	DAN	Dance	2 permiss	sion of department.	UG	LB	Lab
						First-ye	ar intermediate work in			
							nce technique. Emphasis			
							chnical proficiency and			
						versatili	ity through staccato and			
			Intermediate			lyrical n	novements. Focus on			
Fall 2007	DAN133	133	Jazz I	DAN	Dance	2 musical	ity and individual artistry.	UG	LB	Lab
							oment of the vocabulary,			
							ues, and theory of ballet.			
							sis on body alignment and			
Fall 2007	DAN201	201	Ballet II	DAN	Dance		y. Prerequisite: DAN 103.	UG	LB	Lab

							Development of the vocabulary,			
							techniques, and theory of ballet.			
							Emphasis on body alignment and			
Fall 2007	DAN202	202	Ballet II	DAN	Dance	3	flexibility. Prerequisite: DAN 201.		LB	Lab
							Development of the vocabulary,			
							techniques, and theory of ballet.			
							Emphasis on body alignment and			
Fall 2007	DAN203	203	Ballet II	DAN	Dance	3	flexibility. Prerequisite: DAN 202.	UG	LB	Lab
							Beginning level of tap dance			
							introduces students with no			
							pervious experience to the			
			Beginning Tap				fundamental movements and			
Fall 2007	DAN207	207	Dance	DAN	Dance	1	rhythmic structures of the form.	UG	LB	Lab
							Beginning level of tap dance			
							introduces students with no			Lecture/La
							pervious experience to the			b
			Beginning Tap				fundamental movements and			Combinatio
Fall 2007	DAN208	208	Dance	DAN	Dance	1	rhythmic structures of the form.	UG	LL	n
							Beginning level of tap dance			
							introduces students with no			
							pervious experience to the			
			Beginning Tap				fundamental movements and			
Fall 2007	DAN209	209	Dance	DAN	Dance	1	rhythmic structures of the form.	UG	LB	Lab
							Fundamentals of modern dance:			
							emphasis on skeletal alignment,			
			Modern Dance				breathing, relaxation, and the			
Fall 2007	DAN211	211	H	DAN	Dance	3	use of dynamics and rhythm in	UG	LB	Lab
							Fundamentals of modern dance:			
							emphasis on skeletal alignment,			
			Modern Dance				breathing, relaxation, and the			
Fall 2007	DAN212	212	П	DAN	Dance	3	use of dynamics and rhythm in	UG	LB	Lab
							Fundamentals of modern dance:			
							emphasis on skeletal alignment,			
			Modern Dance				breathing, relaxation, and the			
Fall 2007	DAN213	213	11	DAN	Dance	3	use of dynamics and rhythm in	UG	LB	Lab

						Fundamentals of modern dance.			
						Emphasis on skeletal alignment,			Lecture/La
						breathing, relaxation, and the			b
			Modern Dance			use of dynamics and rhythm in			Combinatio
Fall 2007	DAN214	214	for Actors	DAN	Dance	2 space. Prerequisite: DAN 113.	UG	LL	n
						Fundamentals of modern dance.			
						Emphasis on skeletal alignment,			Lecture/La
						breathing, relaxation, and the			b
			Modern Dance			use of dynamics and rhythm in			Combinatio
Fall 2007	DAN215	215	for Actors	DAN	Dance	2 space. Prerequisite: DAN 214.	UG	LL	n
						Fundamentals of modern dance.			
						Emphasis on skeletal alignment,			Lecture/La
						breathing, relaxation, and the			b
			Modern Dance			use of dynamics and rhythm in			Combinatio
Fall 2007	DAN216	216	for Actors	DAN	Dance	2 space. Prerequisite: DAN 215.	UG	LL	n
						Second-year intermediate work			
						in jazz dance technique.			
						Emphasis on varied allegro and			
						adagio jazz movements. Focus			
						will be on technical diversity,			
			Intermediate			musicality, artistry, and			
Fall 2007	DAN231	231	Jazz II	DAN	Dance	2 performance. Prerequisite: DAN	UG	LB	Lab
						Second-year intermediate work			
						in jazz dance technique.			
						Emphasis on varied allegro and			
						adagio jazz movements. Focus			
						will be on technical diversity,			
			Intermediate			musicality, artistry, and			
Fall 2007	DAN232	232	Jazz II	DAN	Dance	2 performance. Prerequisite: DAN	UG	LB	Lab
						Second-year intermediate work			
						in jazz dance technique.			
						Emphasis on varied allegro and			
						adagio jazz movements. Focus			
						will be on technical diversity,			
			Intermediate			musicality, artistry, and			
Fall 2007	DAN233	233	Jazz II	DAN	Dance	2 performance. Prerequisite: DAN	UG	LB	Lab

						Survey of Western theatrical			
						dance from its roots in early			
Fall 2007	DAN251	251	Dance History	DAN	Dance	1 cultures to the twentieth	UG	LB	Lab
						Survey of Western theatrical			
						dance from its roots in early			
Fall 2007	DAN252	252	Dance History	DAN	Dance	1 cultures to the twentieth	UG	LB	Lab
						Survey of Western theatrical			
						dance from its roots in early			
Fall 2007	DAN253	253	Dance History	DAN	Dance	1 cultures to the twentieth	UG	LB	Lab
			Writing in DAN						
Fall 2007	DAN253W	253W	253	DAN	Dance	0	UG	LB	Lab
						Development of the vocabulary,			
						techniques, and theory of ballet.			
						Emphasis on body alignment and			
Fall 2007	DAN301	301	Ballet III	DAN	Dance	3 flexibility. Prerequisite: DAN 203.	UG	LB	Lab
						Development of the vocabulary,			
						techniques, and theory of ballet.			
						Emphasis on body alignment and			
Fall 2007	DAN302	302	Ballet III	DAN	Dance	3 flexibility. Prerequisite: DAN 301.	UG	LB	Lab
						Development of the vocabulary,			
						techniques, and theory of ballet.			
						Emphasis on body alignment and			
Fall 2007	DAN303	303	Ballet III	DAN	Dance	3 flexibility. Prerequisite: DAN 302.	UG	LB	Lab
						Intermediate level of ballet is			
						geared to the dance needs of			
						students preparing for careers in			Lecture/La
						musical theatre. Emphasis on			b
			Intmd Ballet			strong technique which can be			Combinatio
Fall 2007	DAN304	304	for Mus Thr	DAN	Dance	2 applied to theatre dance needs.	UG	LL	n
						Intermediate level of ballet is			
						geared to the dance needs of			
						students preparing for careers in			Lecture/La
						musical theatre. Emphasis on			b
			Intmd Ballet			strong technique which can be			Combinatio
Fall 2007	DAN305	305	for Mus Thr	DAN	Dance	2 applied to theatre dance needs.	UG	LL	n

							Intermediate level of ballet is			
							geared to the dance needs of			
							students preparing for careers in			Lecture/La
							musical theatre. Emphasis on			b
			Intmd Ballet				strong technique which can be			Combinatio
Fall 2007	DAN306	306	for Mus Thr	DAN	Dance	2	applied to theatre dance needs.	UG	LL	n
							Intermediate level tap dance			
							develops a more complex			
							understanding of rhythmic			Lecture/La
							structures in traditional and			b
			Intermediate				contemporary approaches to tap			Combinatio
Fall 2007	DAN307	307	Tap Dance	DAN	Dance	1	technique and choreography.	UG	LL	n
							Intermediate level tap dance			
							develops a more complex			
							understanding of rhythmic			Lecture/La
							structures in traditional and			b
			Intermediate				contemporary approaches to tap			Combinatio
Fall 2007	DAN308	308	Tap Dance	DAN	Dance	1	technique and choreography.	UG	LL	n
							Intermediate level tap dance			
							develops a more complex			
							understanding of rhythmic			Lecture/La
							structures in traditional and			b
			Intermediate				contemporary approaches to tap			Combinatio
Fall 2007	DAN309	309	Tap Dance	DAN	Dance	1	technique and choreography.	UG	LL	n
							Further study of modern dance			
							techniques and styles. Material is			
			Modern Dance				on the intermediate to advanced			
Fall 2007	DAN311	311	III	DAN	Dance	3	level. Prerequisite: DAN 213.	UG	LB	Lab
							Further study of modern dance			
							techniques and styles. Material is			
			Modern Dance				on the intermediate to advanced			
Fall 2007	DAN312	312	III	DAN	Dance	3	level. Prerequisite: DAN 311.	UG	LB	Lab
							Further study of modern dance			
							techniques and styles. Material is			
			Modern Dance				on the intermediate to advanced			
Fall 2007	DAN313	313	111	DAN	Dance	3	level.	UG	LB	Lab

						Div	ersified styles and techniques			
							contemporary musical theatre			
							ncing. Emphasis is on move-			
							nt proficiency and versatility			Lecture/La
							hin the realm of jazz and			b
			Jazz/Theatre				atre dance. Prerequisite: DAN			Combinatio
Fall 2007	DAN321	321	Dance I	DAN	Dance	2 213	•	UG	LL	n
1 411 2007	DITTOLI	021	Burioc 1	D7111	Barioc		ersified styles and techniques	00		
							contemporary musical theatre			
							ncing. Emphasis is on move-			
							nt proficiency and versatility			Lecture/La
							hin the realm of jazz and			b
			Jazz/Theatre				atre dance. Prerequisite: DAN			Combinatio
Fall 2007	DAN322	322	Dance I	DAN	Dance	2 321	•	UG	LL	n
							ersified styles and techniques			
							contemporary musical theatre			
							ncing. Emphasis is on move-			Lecture/La
							nt proficiency and versatility			b
			Jazz/Theatre				hin the realm of jazz and			Combinatio
Fall 2007	DAN323	323	Dance I	DAN	Dance		atre dance.	UG	LL	n
						Dive	ersified styles and techniques			
						of c	contemporary musical theatre			
						dan	cing. Emphasis is on move-			Lecture/La
						mei	nt proficiency and versatility			b
			Mus Theatre			with	hin the realm of jazz and			Combinatio
Fall 2007	DAN331	331	Dance Styles	DAN	Dance	3 the	atre dance.	UG	LL	n
						Dive	ersified styles and techniques			
						of c	contemporary musical theatre			
						dan	ncing. Emphasis is on move-			Lecture/La
						mei	nt proficiency and versatility			b
			Mus Theatre			with	nin the realm of jazz and			Combinatio
Fall 2007	DAN332	332	Dance Styles	DAN	Dance	3 the	atre dance.	UG	LL	n
						Dive	ersified styles and techniques			
						of c	contemporary musical theatre			
						dan	ncing. Emphasis is on move-			Lecture/La
							nt proficiency and versatility			b
			Mus Theatre			with	nin the realm of jazz and			Combinatio
Fall 2007	DAN333	333	Dance Styles	DAN	Dance	3 the	atre dance.	UG	LL	n

					Exploration of improvisation			
					·			
D 4 N O 4 4	0.44		DANI	D	,			
DAN341	341	Improvisation	DAN	Dance	•	UG	LB	Lab
					·			
					_			
DAN342	342	Choreography	DAN	Dance	1	UG	LB	Lab
					·			
					creation of solos and ensemble			
DAN343	343	Choreography	DAN	Dance	1 works. For dance majors only.	UG	LB	Lab
					Methods for teaching dance			
					using an anatomical approach as			
					the basis for good training in all			
		Dance			techniques. For dance majors			
DAN371	371	Pedagogy	DAN	Dance	1 only. Prerequisite: DAN 252.	UG	LB	Lab
					Methods for teaching dance			
					using an anatomical approach as			
		Dance						
DAN372	372	Pedagogy	DAN	Dance		UG	LB	Lab
		3 33						
					<u> </u>			
		Dance						
DAN373	373		DAN	Dance		UG	I B	Lab
27107.0	0.0	0 0,		2 41.100	. c.n.y e. equience. 2 e. 2.			
DAN373W	373W			Dance	0	UG	I B	Lab
								Lecture/La
		Studies			Problems, approaches, and			b
								Combinatio
DAN399	399		DAN	Dance	•	UG	11	n
D/ ((VO / /	0,,		D/ 11 V	Danie	i ropics vary.			
DAN399W	399W	_	DAN	Dance	0	UG	LB	Lab
	DAN371 DAN372 DAN373 DAN373W DAN399	DAN342 342 DAN343 343 DAN371 371 DAN372 372 DAN373 373 DAN373W 373W	DAN342 342 Choreography DAN343 343 Choreography Dance Pedagogy Dance Pedagogy Dance Pedagogy Dance Pedagogy Dance Pedagogy Suriting in DAN 373 Studies Selected Subjects Writing in DAN	DAN342 342 Choreography DAN DAN343 343 Choreography DAN DAN371 371 Pedagogy DAN DAN372 372 Pedagogy DAN DAN373 373 Pedagogy DAN DAN373W 373W 373W 373 DAN Studies Selected Subjects DAN Writing in DAN Writing in DAN Writing in DAN Writing in DAN	DAN342 342 Choreography DAN Dance DAN343 343 Choreography DAN Dance DAN371 371 Pedagogy DAN Dance DAN372 372 Pedagogy DAN Dance DAN373 373 Pedagogy DAN Dance DAN373 373 Pedagogy DAN Dance Writing in DAN DAN Dance Studies Selected Subjects DAN Dance Writing in DAN Dance Writing in DAN Dance	DAN341 341 Improvisation DAN Dance 1 Prerequisite: DAN 213. Exploration of compositional techniques culminating in the creation of solos and ensemble works. For dance majors only. DAN342 342 Choreography DAN Dance 1 Prerequisite: DAN 341. Exploration of compositional techniques culminating in the creation of solos and ensemble works. For dance majors only. DAN343 343 Choreography DAN Dance 1 works. For dance majors only. Methods for teaching dance using an anatomical approach as the basis for good training in all techniques. For dance majors only. Prerequisite: DAN 252. Methods for teaching dance using an anatomical approach as the basis for good training in all techniques. For dance majors only. Prerequisite: DAN 371. DAN372 372 Pedagogy DAN Dance 1 Methods for teaching dance using an anatomical approach as the basis for good training in all techniques. For dance majors only. Prerequisite: DAN 371. Methods for teaching dance using an anatomical approach as the basis for good training in all techniques. For dance majors only. Prerequisite: DAN 371. Methods for teaching dance using an anatomical approach as the basis for good training in all techniques. For dance majors only. Prerequisite: DAN 371. Methods for teaching dance using an anatomical approach as the basis for good training in all techniques. For dance majors only. Prerequisite: DAN 371. DAN373 373 Pedagogy DAN Dance 0 DAN373 373 Pedagogy DAN Dance 1 problems, approaches, and topics in the field of dance. DAN399 399 Subjects DAN Dance 1 Topics vary.	DAN341 341 Improvisation DAN Dance techniques as a compositional tool. For dance majors only. Prerequisite: DAN 213.	DAN341 341 Improvisation DAN Dance 1 Perequisite: DAN 213. UG LB Exploration of compositional techniques culminating in the creation of solos and ensemble works. For dance majors only. DAN342 342 Choreography DAN Dance 1 Prerequisite: DAN 341. UG LB Exploration of compositional techniques culminating in the creation of solos and ensemble works. For dance majors only. UG LB Exploration of compositional techniques culminating in the creation of solos and ensemble and techniques culminating in the creation of solos and ensemble and techniques culminating in the creation of solos and ensemble and techniques culminating in the creation of solos and ensemble and techniques culminating in the creation of solos and ensemble and techniques culminating in the creation of solos and ensemble and techniques culminating in the creation of solos and ensemble and techniques culminating in the creation of solos and ensemble and techniques cultinating in all techniques. For dance majors and the basis for good training in all techniques. For dance majors and the basis for good training in all techniques. For dance majors and the basis for good training in all techniques. For dance majors and the basis for good training in all techniques. For dance majors and the basis for good training in all techniques. For dance majors and the basis for good training in all techniques. For dance majors and the basis for good training in all techniques. For dance majors and the basis for good training in all techniques. For dance majors and the basis for good training in all techniques. For dance majors and the basis for good training in all techniques. For dance majors and the basis for good training in all techniques. For dance majors and the basis for good training in all techniques. For dance majors and the basis for good training in all techniques. For dance majors and the basis for good training in all techniques. For dance majors and the basis for good training in all techniques. For dance majors and the basis for good training in all

				T		Advanced conditions to all additional		1	
						Advanced work in classical ballet			
						technique stressing the			
						development of musicality and			
						virtuosity. Pointe work is			
						included. Prerequisite: DAN 303			
Fall 2007	DAN401	401	Ballet IV	DAN	Dance	3 or departmental approval.	UG	LB	Lab
						Advanced work in classical ballet			
						technique stressing the			
						development of musicality and			
						virtuosity. Pointe work is			
						included. Prerequisite: DAN 401;			
Fall 2007	DAN402	402	Ballet IV	DAN	Dance	3 or departmental approval.	UG	LB	Lab
						Advanced work in classical ballet			
						technique stressing the			
						development of musicality and			
Fall 2007	DAN403	403	Ballet IV	DAN	Dance	3 virtuosity. Pointe work is	UG	LB	Lab
						Advanced level of tap dance			
						emphasizes mastery of complex			
						rhythms, articulation and			
						technical skills in traditional and			!
						contemporary approaches to tap			1
			Advanced Tap			dance technique, choreography			
Fall 2007	DAN407	407	Dance	DAN	Dance	1 and Broadway Tap vocabulary.	UG	ST	Studio
						Advanced level of tap dance			
						emphasizes mastery of more			
						complex rhythms, articulation,			1
						and technical skills in traditional			
						and contemporary approaches to			
						tap dance technique,			
			Advanced Tap			choreography and Jazz Tap			
Fall 2007	DAN408	408	Dance	DAN	Dance	1 vocabulary.	UG	ST	Studio

						Advanced level of tan dance			
						Advanced level of tap dance			
						emphasizes mastery of more			
						complex rhythms, articulation			
						and technical skills in traditional			
						and contemporary approaches to			
						tap dance technique and			
			Advanced Tap			complex choreography in a			
Fall 2007	DAN409	409	Dance	DAN	Dance	1 Musical Theatre setting.	UG	ST	Studio
						Advanced work in modern dance			
			Modern Dance			techniques and styles.			
Fall 2007	DAN411	411	IV	DAN	Dance	3 Prerequisite: DAN 313.	UG	LB	Lab
						Advanced work in modern dance			
			Modern Dance			techniques and styles.			
Fall 2007	DAN412	412	IV	DAN	Dance	3 Prerequisite: DAN 411.	UG	LB	Lab
						Advanced work in modern dance			
			Modern Dance			techniques and styles.			
Fall 2007	DAN413	413	IV	DAN	Dance	3 Prerequisite: DAN 412.	UG	LB	Lab
						Diversified styles and techniques			
						of contemporary musical theatre			
						dancing including jazz adagio			
						and allegro combinations,			
						focusing on technique,			
			Jazz/Theatre			musicality, style, and			
Fall 2007	DAN421	421	Dance II	DAN	Dance		UG	LB	Lab
						Diversified styles and techniques			
						of contemporary musical theatre			
						dancing including jazz adagio			
						and allegro combinations,			
						focusing on technique,			
			Jazz/Dance			musicality, style, and			
Fall 2007	DAN422	422	Theatre II	DAN	Dance		UG	LB	Lab
1 411 2007	DANTZZ	722	THEATTE IT	DAN	Darice	Diversified styles and techniques	00	LD	Lab
						of contemporary musical theatre			
						dancing including jazz adagio			
						and allegro combinations,			
			Jazz/Theatre			focusing on technique,			
Fall 2007	DAN422	422		DAN	Dones	musicality, style, and	LIC	l D	Lob
Fall 2007	DAN423	423	Dance II	DAN	Dance	2 performance. Prerequisite: DAN	UG	LB	Lab

						Emphasizes pointe work for the female dancer, to develop			
						strength on pointe for classical			
Fall 2007	DAN431	431	Pointe Class	DAN	Dance	1 ballet. Prerequisite: DAN 203.	UG	LB	Lab
1 411 2007	D7.111101	101	T GITTE GIGGS	D7 11 4	Barroo	Specific movements and			Lab
						exercises geared to the male			
			Men's Ballet			dancer, to develop strength and			
Fall 2007	DAN432	432	Class	DAN	Dance	1 virtuosity. Prerequisite: DAN 203.	UG	LB	Lab
1 411 2007	Dillition	102	01033	Britt	Barree	Trains male and female dancers			Lab
						in the art of partnering, an			
			Pas de Deux			essential part of all dance.			
Fall 2007	DAN433	433	Class	DAN	Dance	1 Prerequisite: DAN 203.	UG	LB	Lab
1 411 2007	Dillitio	733	Oluss	DATE	Barice	Advanced work for dance majors	00	LD	Lub
						in creative projects and/or dance			
			Senior Dance			research. Prerequisite: DAN 343;			
Fall 2007	DAN491	491	Project	DAN	Dance	1 or departmental approval.	UG	LB	Lab
1 411 2007	DAINTTI	7/1	Troject	DAN	Darice	Advanced work for dance majors	00	LD	Lab
						in creative projects and/or dance			
			Senior Dance			research. Prerequisite: DAN 491;			
Fall 2007	DAN492	492	Project	DAN	Dance	1 or departmental approval.	UG	LB	Lab
1 411 2007	DAINT /Z	7/2	Troject	DAN	Darice	Advanced work for dance majors	00	LD	Lab
			Senior Dance			in creative projects and/or dance			
Fall 2007	DAN493	493	Project	DAN	Dance	1 research.	UG	LB	Lab
1 411 2007	D/IIIT/3	773	Troject	Ditit	Barice	Blueprint reading for mechanical,	00	LD	Lub
						architectural, electrical, and civil			
						engineering professions.			
						Orthographic and pictorial			
						drawing. Various sketching			
					Drafting				Locturo/Lo
					Drafting & Design	exercises related to industry standards. Standard symbols and			Lecture/La b
			Pluoprint		Technolo	callouts. 3 hours lecture/2 hours			Combinatio
Fall 2007	DDT144	1 1 1	Blueprint	DDT			LIC		
Fall 2007	DDT144	144	Reading	DDT	gy	4 lab.	UG	LL	n

					Drafting & Design Technolo	Basic concepts of engineering drawing applied to manual and computer-aided drafting. Orthographic projection to produce complete multiview drawings. Computer basics for drawing setup, construction, and file management. Two hours			Lecture/La b Combinatio
Fall 2007	DDT145	145	CAD I	DDT	gy	4 lecture, four hours lab.	UG	LL	n
					Drafting & Design Technolo	TEG 145 continuation. Orthographic projection techniques are expanded to include sectional, auxiliary, and pictorial views. CAD concepts expanded to dimension styles, blocks, x-refs, paper and model space, UCS, and other topics.			Lecture/La b Combinatio
Fall 2007	DDT146	146	CAD II	DDT	gy	4 Two hours lecture, four hours	UG	LL	n
					Drafting & Design Technolo	Design concepts apllied to specific topics: threads, cams, weld representations, geometric dimensioning and tolerancing, developments, and descriptive geometry. Student will produce assembly, detail, and pictorial drawings. Two hours lecture,			Lecture/La b Combinatio
Fall 2007	DDT147	147	CAD III	DDT	gy	4 four hours lab.	UG	LL	n
			Circuit		Drafting & Design Technolo	Schematic and electrical drafting using Auto CAD software. Stresses use of electrical and electronic symbols, ladder diagrams, schematic wiring diagrams and printed dircuit layouts. Three hours lecture, two			Lecture/La b Combinatio
Fall 2007	DDT148	148	Drafting/CAD	DDT	gy	4 hours lab.	UG	LL	n

					Drafting & Design Technolo	Drafting principles for land, road and bridges. Emphasizes latest software for planning and development. Lecture and demonstration combined with various projects. Covers economic, environmantal and ergonomic issues and standard design procedures. 2 hours			Lecture/La b Combinatio
Fall 2007	DDT149	149	Civil Drafting	DDT		4 lecture/4 hours lab.	UG	LL	n
1 all 2007	DD1147	147	Civii Di aitiiig	DDT	gy Drafting & Design	Beginning architectural design for residential drawings. Floor plans, elevations, doors and windows, stairs and rails, current building codes, pictorial representation. All drawing done		LL	Lecture/La
			Architectural		Technolo	with Architectural Destop			Combinatio
Fall 2007	DDT170	170	Drawing I	DDT	gy	4 Software. 2 hours lecture/4	UG	LL	n
Fall 2007	DDT171	171	Architectural Drawing II	DDT	Drafting & Design Technolo gy	Advanced architectural drawing emphasizing residential and commercial construction. Continuation of CAD concepts from DDt 170. Special projects include advanced pictorial representation and virtural walkthrough of design. 2 hours lecture/4 hours lab.	UG	LL	Lecture/La b Combinatio n
			Machine		Drafting & Design Technolo	Three-dimensional design with solid modeling. Creation of primitives, comlex solids, solid model editing, two-dimensional extraction and extrusion. Production of both engineering and pictorial drawings. Engineering aspects of solid model design. Two hours			Lecture/La b Combinatio
Fall 2007	DDT204	204	Design	DDT	gy	4 lecturs, four hours lab.	UG	LL	n

						To bole coverely wederenessed			
						To help severely underprepared			
						students acquire the skills and			
						confidence necessary to reduce			
						the passive chore aspects of			
						reading in order to stimulate an			Lecture/La
			Reading		Developm	enthusiasm for learning in			b
			Improvement		ental	general. Graded			Combinatio
Fall 2007	DEV071	071	1	DEV	Education	5 pass/unsatisfactory.	UG	LL	n
						Provides intensive instruction for			
						students whose writing skills are			
						significantly below those			
						necessary for success in			Lecture/La
					Developm	university-level writing			b
			Basic Writing		ental	requirements. Graded			Combinatio
Fall 2007	DEV072	072	Skills I	DEV	Education	6 pass/unsatisfactory.	UG	LL	n
						Provides instruction in basic			
						mathematical concepts and			
						computations necessary for			
						students to successfully perform			
						mathematical functions that			
					Developm	occur in daily life and to			
			Basic		ental	complete the Level II course,			Independe
Fall 2007	DEV073	073	Mathematics I	DEV	Education	5 DEV 083. Graded	UG	IS	nt Study
						To help students acquire skills			
						necessary to comprehend a			
						tenth grade textbook; to find the			
						main idea, recognize sentence			
						patterns, deduce meaning of			
						words, and to complete an			Lecture/La
			Reading		Developm	outside reading assignment.			b
			Improvement		ental	Graded pass/unsatisfactory.			Combinatio
Fall 2007	DEV081	081	II	DEV	Education	·	UG	LL	n

							To provide learning activities			
							enabling students to brainstorm			
							for ideas; develop and organize			
							their writing; revise; edit for			
							grammar, sentence structure,			
							and mechanics; and prepare			Lecture/La
					Developm		standard, acceptable final drafts			b
			Basic Writing		ental		of their writing. Graded			Combinatio
Fall 2007	DEV082	082	Skills II	DEV	Education	6	pass/unsatisfactory.	UG	LL	n
							Reinforces basic mathematical			
							concepts and computations.			
							Provides instruction in pre-			
							algebra and elementary algebra			
							skills and concepts necessary for			
			Basic		Developm		students to successfully			
			Mathematics		ental		complete elementary algebra.			
Fall 2007	DEV083	083	11	DEV	Education	5	Graded pass/unsatisfactory.	UG	LE	Lecture
							Reading and study skills essential			
							for college, emphasizing			
							comprehension, vocabulary,			
							textbook organization, marking,			Lecture/La
			Reading		Developm		note-taking techniques, and rate			b
			Improvement		ental		improvement. Graded			Combinatio
Fall 2007	DEV091	091	III	DEV	Education	3	pass/unsatisfactory.	UG	LL	n
							Prepares students for success in			
							English 101 by giving them			
							instruction and activities in the			Lecture/La
					Developm		fundamentals of the writing			b
			Fundamental		ental		process. Graded			Combinatio
Fall 2007	DEV092	092	English Skills	DEV	Education	4	pass/unsatisfactory.	UG	LL	n

							Available to students who need help in arithmetic functions. Topics include properties of			
							whole numbers, primes and composites, arithmetic			
							operations, decimals, ratios,			
					Developm		rates, proportions, percents, and			
			Basic Math		ental		elementary algebra functions.			
Fall 2007	DEV093	093	Skills III	DEV	Education	3	Graded pass/unsatisfactory.	UG	LE	Lecture
							Beginning Algebra including:			
							numbers, order of operations,			
							arithmetic laws, evaluation,			
							signed variables, polynomials,			
							factoring, linear equations,			
					Developm		isolating variables, lines, systems			
			Elementary		ental		of linear equations and word			
Fall 2007	DEV095	095	Algebra	DEV	Education	3	problems.	UG	LE	Lecture
			51.07		DMV					
E !! 0007	D1 11 10 0 1	201	DMV	5101	Consortiu					
Fall 2007	DMV001	001	Registration	DMV	m DMM/	0.5		UG	LE	Lecture
			DMV		DMV					
Fall 2007	DMV101	101		DMV	Consortiu	0.5		UG	LE	Looturo
Fall 2007	DIVIVIOI	101	Registration	DIVIV	m DMV	0.5		UG	LE	Lecture
			DMV Lab		Consortiu					
Fall 2007	DMV101L	101L	Registration	DMV	m	0		UG	LB	Lab
1 411 2007	DIVIVIOIL	TOTE	Registration	DIVIV	DMV	U		00	LD	Lab
			DMV		Consortiu					
Fall 2007	DMV102	102	Registration	DMV	m	0.05		UG	LE	Lecture
1 411 2007	DIVIVIOL	102	Registration	DIVIV	DMV	0.00				Lootaro
			DMV		Consortiu					
Fall 2007	DMV103	103	Registration	DMV	m	0.5		UG	LE	Lecture
			<u> </u>		DMV					
			DMV		Consortiu					
Fall 2007	DMV104	104	Registration	DMV	m	0.5		UG	LE	Lecture
					DMV					
			DMV		Consortiu					
Fall 2007	DMV105	105	Registration	DMV	m	0.5		UG	LE	Lecture

					DMV				
			DMV		Consortiu				
Fall 2007	DMV201	201	Registration	DMV	m	0.5	UG	LE	Lecture
					DMV				
	DMV201		Writing in		Consortiu				
Fall 2007	W	201W	DMV	DMV	m	0	UG	LB	Lab
					DMV				
			DMV		Consortiu				
Fall 2007	DMV202	202	Registration	DMV	m	0.5	UG	LE	Lecture
					DMV				
			DMV		Consortiu				
Fall 2007	DMV203	203	Registration	DMV	m	0.5	UG	LE	Lecture
					DMV				
			DMV		Consortiu				
Fall 2007	DMV204	204	Registration	DMV	m	0.5	UG	LE	Lecture
					DMV				
			DMV		Consortiu				
Fall 2007	DMV205	205	Registration	DMV	m	0.5	UG	LE	Lecture
					DMV				
			DMV		Consortiu				
Fall 2007	DMV301	301	Registration	DMV	m	0.5	UG	LE	Lecture
					DMV				
			DMV		Consortiu				
Fall 2007	DMV302	302	Registration	DMV	m	0.5	UG	LE	Lecture
					DMV				
			DMV		Consortiu				
Fall 2007	DMV303	303	Registration	DMV	m	0.5	UG	LE	Lecture
					DMV				
			DMV		Consortiu				
Fall 2007	DMV304	304	Registration	DMV	m	0.5	UG	LE	Lecture
					DMV				
			DMV		Consortiu				
Fall 2007	DMV305	305	Registration	DMV	m	0.5	UG	LE	Lecture
					DMV				
			DMV		Consortiu				
Fall 2007	DMV401	401	Registration	DMV	m	0.5	UG	LE	Lecture

					DMV				
			DMV		Consortiu				
Fall 2007	DMV402	402	Registration	DMV	m	0.5	UG	LE	Lecture
					DMV				
			DMV		Consortiu				
Fall 2007	DMV403	403	Registration	DMV	m	0.5	UG	LE	Lecture
					DMV				
			DMV		Consortiu				
Fall 2007	DMV404	404	Registration	DMV	m	0.5	UG	LE	Lecture
					DMV				
			DMV		Consortiu				
Fall 2007	DMV405	405	Registration	DMV	m	0.5	UG	LE	Lecture
					DMV				
			DMV		Consortiu				
Fall 2007	DMV501	501	Registration	DMV	m	0.5	GR	LE	Lecture
					DMV				
			DMV		Consortiu				
Fall 2007	DMV502	502	Registration	DMV	m	0.5	UG	LE	Lecture
					DMV				
E !! 0007	D141/500	500	DMV	5.07	Consortiu	0.5			
Fall 2007	DMV503	503	Registration	DMV	m DN0/	0.5	UG	LE	Lecture
			DMM/		DMV				
F-II 0007	DMVE04	F0.4	DMV	DAM	Consortiu	0.5	110	. –	1 1
Fall 2007	DMV504	504	Registration	DMV	m DMV	0.5	UG	LE	Lecture
			DMV						
Fall 2007	DMV505	505		DMV	Consortiu	0.5	UG	LE	Looturo
Fall 2007	טועועט	505	Registration	DIVIV	m DMV	0.5	UG	LE	Lecture
			DMV						
Fall 2007	DMV601	601		DMV	Consortiu	0.5	GR	LE	Locturo
rdii 2007	ו מסעועום	001	Registration	DIVIV	m DMV	0.5	GK	LE	Lecture
			DMV		Consortiu				
Fall 2007	DMV602	602	Registration	DMV	m	0.5	UG	LE	Lecture
all 2007	DIVIVOUZ	002	registration	DIVIV	DMV	0.5	UG	LL	Lecture
			DMV		Consortiu				
Fall 2007	DMV603	603	Registration	DMV	m	0.5	UG	LE	Lecture
1 all 2007	פטטאואום	003	Registration	DIVIV	111	0.5	00	LL	Lecture

					DMV				
			DMV		Consortiu				
Fall 2007	DMV604	604	Registration	DMV	m	0.5	UG	LE	Lecture
					DMV				
			DMV		Consortiu				
Fall 2007	DMV605	605	Registration	DMV	m	0.5	UG	LE	Lecture
					DMV				
			DMV		Consortiu				
Fall 2007	DMV701	701	Registration	DMV	m	0.5	GR	LE	Lecture
					DMV				
			DMV		Consortiu				
Fall 2007	DMV702	702	Registration	DMV	m	0.5	UG	LE	Lecture
					DMV				
			DMV		Consortiu				
Fall 2007	DMV703	703	Registration	DMV	m	0.5	UG	LE	Lecture
					DMV				
			DMV		Consortiu				
Fall 2007	DMV704	704	Registration	DMV	m	0.5	UG	LE	Lecture
					DMV				
			DMV		Consortiu				
Fall 2007	DMV705	705	Registration	DMV	m	0.5	UG	LE	Lecture
						Introduction to Danish with an			
			Essentials of			emphasis on speaking the			
Fall 2007	DN111	111	Danish	DN	Danish	4 language.	UG	LE	Lecture
						Introduction to basic economic			
						concepts such as resource			
						allocation, costs, supply,			
						demand, and public goods.			
						Topics include American			
						capitalism, market failures,			
						unemployment, inflation, and			
						taxation. The sequence EC 201,			
						202, 203 may be substituted.			
						Credit will not be given for EC			
- u 000-	50000	000			Economic	200 Economic Life for students			
Fall 2007	EC200	200	Economic Life	EC	S	4 who successfully complete EC	UG	LE	Lecture
- u 000-	E0000:::	000147	Writing in EC		Economic	Required writing component for			
Fall 2007	EC200W	200W	200	EC	S	0 EC 200.	UG	LB	Lab

			Principle Microeconomic		Economic	Fundamental economic principles as an aid in understanding modern society. Introduction to			
Fall 2007	EC204	204	S	EC	S	4 Microeconomics.	UG	LE	Lecture
			Principle Macroeconomi		Economic	Fundamental economic principles as an aid in understanding modern society. Introduction to			
Fall 2007	EC205	205	cs	EC	s	4 Macroeconomics.	UG	LE	Lecture
			Writing in EC		Economic				
Fall 2007	EC205W	205W	205	EC	S	0	UG	LB	Lab
						Analyzes controversy and diversity of opinions regarding economic, business, and social issues shaping the world in which we live. Fosters critical thinking, verbal, and written			
			Econ, Bus, Soc		Economic	communication skills through			
Fall 2007	EC290	290	Issues	EC	S	4 discussion, debate, and writing.	UG	LE	Lecture
Fall 2007	EC290W	290W	Writing in EC 290	EC	Economic s	Required writing component for 0 EC 290.	UG	LB	Lab
Fall 2007	EC301	301	Money and Banking	EC	Economic s	Analysis of behavior and significance of money, credit, 4 debt, and the banking system.	UG	LE	Lecture
1 411 2007	20001	301		LO		Explores how the global economic environment affects business decisions and how these decisions affect the economy of host and source countries. Analyzes the impact of international trade, foreign direct		LL	Lecture
Eall 2007	EC210	210	The Global	EC	Economic	investment, and global monetary	LIC	LE	Locture
all 2007	EC310	310	Economy	EC	S	4 systems.	UG	LE	Lecture

							Develops the analytical tools of			
							microeconomics, stressing			
							market behavior of firms,			
							industries, and consumers.			
							Examines the production process			
			Intermed				and the operation of market			
			Microeconomic		Economic		mechanisms. Policy implications			
Fall 2007	EC315	315	S	EC	S		are emphasized.	UG	LE	Lecture
1 all 2007	LC313	313	3	LC	3	4	Analysis of national economic	UG	LL	Lecture
							problems including inflation,			
							unemployment, interest rates,			
							and economic stability.			
			Intermed				Emphasizes the impact of public			
			Macroeconomi		Economic		policy. This is a writing-intensive			
Fall 2007	EC317	317	CS	EC	S	1	course.	UG	LE	Lecture
1 all 2007	LUSTI	317	Writing in EC	LC	Economic	4	course.	UG	LL	Lecture
Fall 2007	EC317W	317W	317	EC	S	0		UG	LB	Lab
1 411 2007	LOST/VV	317 00	317	LO	3		Focuses on interrelationships	00	LD	Lab
							between market and nonmarket			
							forces, exploring contemporary			
							social, technological, political,			
							and other influences on resource			
							allocation decisions and on			
			Institutional		Economic		economic change. This is a			
Fall 2007	EC319	319	Economics	EC	S		writing-intensive course.	UG	LE	Lecture
1 411 2007	20017	017	Writing in EC		Economic	•	Witting intensive course.	00	LL	Locture
Fall 2007	EC319W	319W	319	EC	S	0		UG	LB	Lab
							Analysis of economic, political,			
							social, and cultural changes			
							resulting from industrial			
							advancements and the control			
			U.S. Economic		Economic		over industrial changes exercised			
Fall 2007	EC321	321	History	EC	S	4	by different societies.	UG	LE	Lecture
			,				Analysis of economic causes,			
							effects, and cures for poverty			
			Econ of				and discrimination. Study of			
			Poverty &		Economic		trends, economic explanations,			
Fall 2007	EC326	326	Discrim	EC	S	4	and current programs and	UG	LE	Lecture

							Analysis of economic processes			
							that influence urban economic			
							conditions, population			
							movements, economic problems			
							facing metropolitan areas, and			
			Urban Ec Prob		Economic		alternative problem-solving			
Fall 2007	EC330	330	& Prospect	EC	S		techniques.	UG	LE	Lecture
1 411 2007	20000	000	аттоэрсог		3		A study of labor market behavior	00		Lootuic
							and wage determination,			
							addressing the impact of new			
							technologies, global competition,			
					Economic		and deindustrialization on			
Fall 2007	EC351	351	Labor Markets	FC	S		American labor markets.	UG	LE	Lecture
1 411 2007	20001	001	Labor Markots			<u> </u>	History of the American labor			2001410
							movement from the early			
							national period to the present,			
			Labor Hst &		Economic		including labor legislation, public			
Fall 2007	EC352	352	Legislation	EC	S		policy, and current labor issues.	UG	LE	Lecture
		002				<u> </u>	Analysis of environmental quality			200100
							from both microeconomic and			
							systems frameworks. Emphasis			
							on effectiveness of alternative			
							approaches to environmental			
							problems, including specific			
							solutions to particular problems			
			Environmental		Economic		and general approaches to broad			
Fall 2007	EC370	370	Economics	EC	s		problems.	UG	LE	Lecture
							Application of economic analysis			
							to management decision making.			
			Managerial		Economic		Practical methods and problems			
Fall 2007	EC401	401	Economics	EC	s	4	are stressed.	UG	LE	Lecture
							Analysis of monetary policy			
							development and the theory of			
							money market behavior.			
							Emphasizes the relationship			
			Monetary		Economic		between money and national			
Fall 2007	EC402	402	Economics	EC	S	4	economic conditions.	UG	LE	Lecture

							Application of statistics and			
							economic theory to			
			Applied		Economic		measurement, forecasting, and			
Fall 2007	EC409	409	Econometrics	EC	S	4	other economic problems.	UG	LE	Lecture
							Application of mathematical tools			
							in the formulation of economic			
							theory. Methods used in model			
			Math Methods		Economic		construction. Completion of a			
Fall 2007	EC410	410	for Econ	EC	S	4	college algebra course required.	UG	LE	Lecture
							Techniques and theories used in			
			Forecasting Ec		Economic		forecasting. Practical methods			
Fall 2007	EC412	412	Activities	EC	S	4	and problems are stressed.	UG	LE	Lecture
							This course covers basic trade			
							theories, commercial policy, and			
							theories of international			
							investment and migration,			
							exchange rate determination and			
							open macroeconomics. Special			
							attention is paid to international			
			International		Economic		economic institutions and current			
Fall 2007	EC419	419	Economics	EC	S	4	financial crises.	UG	LE	Lecture
			Law and		Economic		Economic analysis of the law and			
Fall 2007	EC420	420	Economics	EC	S	4	legal institutions.	UG	LE	Lecture
							Historical development of			
			Development		Economic		economic thought and			
Fall 2007	EC425	425	of Ec Thought	EC	S	4	philosophies.	UG	LE	Lecture
							Development of Marxian,			
			Socialist &				socialist, and radical economic			
			Radical		Economic		doctrine with emphasis on			
Fall 2007	EC428	428	Economics	EC	S	4	contemporary ideas and trends.	UG	LE	Lecture
							Develops a theoretical			
							framework and working			
							knowledge of the economic basis			
							for government activity,			
							government expenditures,			
							programs, and policies, and the			
					Economic		financing of government			
Fall 2007	EC431	431	Public Finance	EC	S	4	expenditures through taxation.	UG	LE	Lecture

						Comparison of institutions of			
						various capitalist and socialist			
						economies including economies			
						in transition. Comparative			
			Comparative		Economic	analysis provides a basis for			
Fall 2007	EC435	435	Capital Inst	EC	S	4 evaluating government policy.	UG	LE	Lecture
1 411 2007	L0433	733	Capital IIIst	LO	3	Analysis of business behavior	00	LL	LCCture
						under various industry structures			
			Industrial		Economic	and government policies.			
Fall 2007	EC436	436	Organization	EC	S	•	UG	LE	Lecture
1 411 2007	LC430	730	Organization	LO	3	Regional economic analysis in a	00	LL	LCCture
						policy and planning context.			
						Interdisciplinary approach to			
						analyze the economics of			
			Region Econ			location, inter-regional trade,			
			Growth &		Economic	regional development, urban			
Fall 2007	EC440	440	Chng	EC	S	4 regions, and growth strategies.	UG	LE	Lecture
1 411 2007	20440	110	Ornig		3	Economic reasons for	00		Locture
						international trade. Impact of			
			Int'l Trade		Economic	trade and its restrictions on			
Fall 2007	EC441	441	Theory/Policy	EC	S	4 economic aggregates.	UG	LE	Lecture
1 411 2007	20111		Tricor y/r chicy			Studies international monetary			Lootaro
						relations and problems. Focuses			
						on institutions and arrangements			
						used to finance international			
						trade. Topics include balance of			
						payments, the dollar and foreign			
						exchange markets, Euro			
			Open			currencies, petrodollars and			
			Economy		Economic	OPEC, and multinational			
Fall 2007	EC442	442	Macro	EC	S	4 corporations.	UG	LE	Lecture
						Explores theories of economic			
						development and			
						underdevelopment and their			
						relationship to poverty. Develops			
						strategies for reducing world			
			Problems Ec		Economic	poverty from different			
Fall 2007	EC444	444	Dev and Trans	EC	s	4 perspectives.	UG	LE	Lecture

							Examines the changing role of			
							women in the American economy	,		
							from colonial times to the			
							present, from a multicultural			
							perspective. The combined			
							effects of race, class, ethnicity,			
							gender ideology, technology,			
							education, unionism, legislation,			
							etc., on women's evolving labor			
			Political Econ		Economic		market status are investigated.			
Fall 2007	EC445	445	of Women	EC	S	4	Junior or senior standing	UG	LE	Lecture
							Study of information technology			
							as an economic resource.			
							Assessment of the economic			
							impacts of information			
							innovation. Applications to			
							network economics, Internet			
							pricing, industrial structure,			
			Econ Info		Economic		electronic commerce, and			
Fall 2007	EC450	450	Technology	EC	s	4	globalization of markets.	UG	LE	Lecture
							Applications of economic			
			Economics of		Economic		principles to professional and			
Fall 2007	EC460	460	Sports	EC	S	4	intercollegiate sports.	UG	LE	Lecture
			Economic		Economic		Examination of special economic			
Fall 2007	EC477	477	Studies	EC	S	4	issues.	UG	LE	Lecture
			Hon: Ind				Research in economics for			
			Study		Economic		fulfillment of the Honors			Independe
Fall 2007	EC478	478	Economics	EC	S	2	program project requirement.	UG	IS	nt Study
							Examination of selected			
							economic issues with a view to			
							integrating the discipline. Topics			
			Economic		Economic		vary. For economics majors or			
Fall 2007	EC480	480	Issues	EC	S	4	permission of instructor.	UG	LE	Lecture
	1	1.2.2		1	-		Limited to students with		1	
							extensive backgrounds in			
							economics or allied disciplines			
			Independent		Economic		and with special reasons for in-			Independe
Fall 2007	EC481	481	Reading	EC	S	1	depth study in a particular area.	UG	IS	nt Study
1 all 2007	LU401	40 I	Reading	LU	J	I	acpui study in a particular area.	JU	IJ	iii Siuuy

							Limited to students with extensive backgrounds in			
							economics or allied disciplines			
			Independent		Economic		and with special reasons for in-			Independe
Fall 2007	EC482	482	Reading	EC	S	1	depth study in a particular area.	UG	IS	nt Study
							Limited to students with			
							extensive backgrounds in			
							economics or allied disciplines			
			Independent		Economic	_	and with special reasons for in-			Independe
Fall 2007	EC483	483	Reading	EC	S	1	depth study in a particular area.	UG	IS	nt Study
			Statistics for		Economic		Elementary statistical concepts			
Fall 2007	EC509	509	Economics	EC	S	4	for economic applications.	GR	LE	Lecture
			Math for		Economic		Algebra and calculus preparation			
Fall 2007	EC510	510	Economics	EC	S	4	for economics applications.	GR	LE	Lecture
							Economics of the individual firm			
							in competitive and monopolistic			
							markets. How prices ration			
							goods and services and the			
							principles on which the total			
			Grad Surv Prin		Economic		product is divided among the			
Fall 2007	EC521	521	of Econ	EC	S	4	owners of the factors of	GR	LE	Lecture
							The aggregate economy and			
							how it influences business			
							decisions. The forces that			
							determine the behavior of			
							national income and output,			
			Grad Surv Prin		Economic		unemployment and the price			
Fall 2007	EC522	522	of Econ	EC	S	4	level. Money, monetary and	GR	LE	Lecture
							Analysis of monetary policy			
							development and the theory of			
							money market behavior.			
							Emphasizes the relationship			
			Monetary		Economic		between money and national			
Fall 2007	EC602	602	Economics	EC	S	4	economic conditions.	GR	LE	Lecture
							Application of mathematical tools			
							in the formulation of economic			
			Intro to Math		Economic		theory. Methods used in model			
Fall 2007	EC610	610	Economics	EC	S	4	construction.	GR	LE	Lecture

				1		Common on a common to the attent!	T	1	
						Compares economic institutions			
						of industrialized countries			
						including the newly industrialized			
						countries (NIC's). Addresses			
						such issues as industrial			
						relations, roles of state, methods			
			Comparative		Economic	of corporate finance, and social			
Fall 2007	EC635	635	Capital Inst	EC	S	4 safety nets.	GR	LE	Lecture
						This course explores the			
						problems of economic			
						development in the third world			
						and in economies in transition			
						from socialism. Topics include			
						hunger, unemployment,			
			Prob Ec Dev &		Economic	environmental degradation,			
Fall 2007	EC644	644	Transition	EC	S	4 privatization, gender, and	GR	LE	Lecture
						Examines the combined historica			
						and cultural effects of race,			
						class, ethnicity, gender ideology,			
						technology, education, unionism,			
						wartime mobilization, legislation,			
						etc. on women's evolving			
						economic status and gender			
			Political Econ		Economic	roles from colonial times to the			
Fall 2007	EC645	645	of Women	EC	s	4 present.	GR	LE	Lecture
						Application of economic theory,			
						mathematical modeling, and			
						statistics to the measurement			
						and forecasting of economic			
						relationships. Emphasis is on			
			Applied		Economic	specification, estimation, and			
Fall 2007	EC709	709	Econometrics	EC	S	4 hypothesis testing.	GR	LE	Lecture
						Techniques and theories used in			
			Forecast Econ		Economic	forecasting. Practical methods			
Fall 2007	EC712	712	Activities	EC	S	4 and problems are stressed.	GR	LE	Lecture

						Emphasis on advanced			
Ì						microeconomics applications in			
						consumption/work decisions of			
						households, production/pricing			
						strategies of firms, and public			
			Applied			policy toward businesses. Special			
			Microeconomic		Economic	attention paid to the roles of			
Fall 2007	EC715	715	S	EC	S	4 labor unions/not-for-profit firms.	GR	LE	Lecture
						Emphasis is on modern views on			
						fiscal and monetary policy in an			
						open economy.			
						Interrelationships between			
			Applied			interest rates, unemployment,			
			Macroeconomi		Economic	economic growth, inflation, and			
Fall 2007	EC717	717	CS	EC	S	4 balance of payments are	GR	LE	Lecture
						This course covers trade			
						theories, commercial policy, and			
						theories of international			
						investment and migration,			
						theories of exchange rate			
						determination and open			
						macroeconomics. Special			
			International		Economic	attention is paid to international			
Fall 2007	EC719	719	Economics	EC	S	4 economic institutions and current	GR	LE	Lecture

methods to business and administrative decision making. Prescribes rules for improving managerial decisions. Tells managers how things should be done to achieve organizational objectives efficiently. Also helps managers recognize how macroeconomic forces affect organizations, and describes the economic consequences of managerial behavior. Special attention is paid to the operation of the firm in a global economy. Fall 2007 EC722 722 Managers EC s 4 for the firm in a global economy. GR LE Lecture Economic thought and 4 philosophies. GR LE Lecture Economic thought and 4 philosophies. GR LE Lecture Economic and feedbacks between economy and culture. Human ecology and ecological economics perspectives on feedbacks Fall 2007 EC725 725 Eco Sys EC s 4 between economy and ecology. GR LE Lecture A political, social and economic analysis that questions, critiques, and provides alternative							Applies economic theory and			
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A political, social and economic analysis that questions, critiques, and provides alternative				Econ Social &		Economic	perspectives on feedbacks			
analysis that questions, critiques, and provides alternative	Fall 2007	EC725	725	Eco Sys	EC	S	4 between economy and ecology.	GR	LE	Lecture
and provides alternative							A political, social and economic			
							analysis that questions, critiques,			
perspectives to orthodox							and provides alternative			
							perspectives to orthodox			
economic theory. Studies groups,							The state of the s			
their systematic interrelations,							* = :			
and their impact on political,										
Contemp Economic economic and social structures,				Contemp		Economic	·			
Fall 2007 EC726 726 Political Econ EC s 4 practices, and outcomes. GR LE Lecture	Fall 2007	EC726	726	•	EC	s	·	GR	LE	Lecture
Economics of Economic						Economic				-
Fall 2007 EC728 728 Innovation EC s 4 GR LE Lecture	Fall 2007	EC728	728		EC	s	4	GR	LE	Lecture

						Analysis of the basic forces that			
						3			
						shape the economic, social, and			
						physical environments of urban			
						and nonurban regions. Emphasis			
						on regional income			
						determination and			
						developmental models, location			
						of economic activity, the			
			Regional &		Economic	structure of urban centers, intra-			
Fall 2007	EC730	730	Urban Econ	EC	S	4 urban economic relationships,	GR	LE	Lecture
						Develops a theoretical			
						framework and working			
						knowledge of the economic basis			
						for government activities,			
						government expenditures,			
						programs, and policies, and the			
			Economics		Economic	financing of government			
Fall 2007	EC731	731	Public Finance	EC	S	4 expenditures through taxation.	GR	LE	Lecture
						Measurement of benefits and			
						costs of both public and private			
						projects with significant public			
						implications. Includes conceptual			
						issues and focuses on practical			
			Cost-Benefit		Economic	application, including specific			
Fall 2007	EC740	740	Analysis	EC	S	4 cost-benefit studies.	GR	LE	Lecture
						Teaches students how			
						alternative incentive systems and			
						resource allocations affect the			
						health services sector. Emphasis			
						on current institutional			
			Ec of Health &		Economic	arrangements, empirical studies,			
Fall 2007	EC755	755	Health Pol	EC	S	4 and policy alternatives.	GR	LE	Lecture

							Blends theoretical analyses of			
							1			
							the forces affecting labor market			
							processes with empirical			
							investigation of labor market			
			Labor Mkt				conditions and analyses of			
			Theory &		Economic		existing and proposed labor			
Fall 2007	EC765	765	Policy	EC	S	4	market programs and policies.	GR	LE	Lecture
			Economic		Economic					
Fall 2007	EC777	777	Studies	EC	S	4	•	GR	LE	Lecture
							Titles vary. Six hours of seminar			
							must be selected from the			
							following topics: economics of			
							the workforce; regional and			
							urban problems; environmental			
							issues; technological change;			
							economic development;			
							economics of poverty; and			
							income maintenance. Completion			
							of introductory statistics course			
			Ec Problems		Economic		or equivalent 600-level survey			
Fall 2007	EC780	780	Seminar	EC	S	4	course required.	GR	SE	Seminar
							Titles vary. Intensive reading or			
			Reserach in		Economic		research in selected fields of			Independe
Fall 2007	EC781	781	Economics	EC	S	2	advanced economics.	GR	IS	nt Study
			Research in		Economic		Intensive reading or research in			Independe
Fall 2007	EC782	782	Economics	EC	S	2	selected fields of economics.	GR	IS	nt Study
1 411 2007	20702	7.02	Research in		Economic		Intensive reading or research in	O.C	1.0	Independe
Fall 2007	EC783	783	Economics	EC	S	2	selected fields of economics.	GR	IS	nt Study
1 411 2007	20700	700	Economics		3		Titles vary. One-quarter	OIT	10	The orday
							internship working in a selected			
							private, social, or governmental			
							organization under the direction			
							of a faculty advisor and work			
					Economic					
Fall 2007	FC70F	705	Internehin	FC		А	supervisor. Graded	CD	INI	Intornobin
Fall 2007	EC785	785	Internship	EC	S	4	pass/unsatisfactory.	GR	IN	Internship
Fall 2007	FC700	700	Continuing	FC	Economic	1		CD	1.5	Looturo
Fall 2007	EC789	789	Registration	EC	S	1		GR	LE	Lecture

						Selected economic education	
					Center for	issues and topics and techniques	
			Economic		Economic	for teaching them in the K-12	
Fall 2007	ECO391	391	Studies	ECO	Educ.	1 classroom. UG LE Le	ecture
						An examination of consumers as	
						they participate in the economy.	
						Emphasis on those householder	
						roles	
			Consumer		Center for	(consumer/producer/citizen) that	
			ECO: K-12		Economic	are teachable in the K-12	
Fall 2007	ECO500	500	Teacher	ECO	Educ.	3 classroom. May be taken for GR LE Le	ecture
						Basic microeconomic principles	
						for K-12 teachers. Participants	
						study the tools of analysis and	
					Center for	operations of the parts of the	
			Prin of Econ		Economic	economy. May be taken for letter	
Fall 2007	ECO511	511	Tchrs I	ECO	Educ.	3 grade or pass/unsatisfactory. GR LE Le	ecture
						Survey of basic macroeconomic	
						principles for K-12 teachers.	
						Participants study the tools of	
						analysis and operations of the	
					Center for	whole economy. May be taken	
			Prin of Econ		Economic	for letter grade or	
Fall 2007	ECO512	512	for Tchrs II	ECO	Educ.	3 pass/unsatisfactory. GR LE Le	ecture
						Survey of advanced micro and	
						macroeconomic principles for K-	
						12 teachers. Participants will	
					Center for	study the tools of analysis and	
			Prin of Econ		Economic	operations of the parts and the	
Fall 2007	ECO513	513	for Tchrs II	ECO	Educ.	3 whole of the economy. GR LE Le	ecture
						Selected economic issues and	
						topics for teachers, presented in	
						dialogue with visiting resource	
					Center for	persons. Titles vary. May be	
			Economics in		Economic	taken for letter grade or	
Fall 2007	ECO514	514	Action	ECO	Educ.	1 pass/unsatisfactory. GR LE Le	ecture

			Teach		Center for	а	Economic education materials and methods for the K-12			
			Materials &		Economic		classroom. May be taken for			
Fall 2007	ECO515	515	Methods	ECO	Educ.		etter grade or	GR	LE	Lecture
							Selected economic issues and			
							opics and techniques for			
					Center for		eaching them in the K-12			
			Econ Studies		Economic	C	classroom. May be taken for			
Fall 2007	ECO516	516	for Teachers	ECO	Educ.		etter grade or	GR	LE	Lecture
						C	Course teaches basic economic			
						S	skills and application of these			
						S	skills to K-12 teachers. Work is			
						a	assigned via the Internet. Covers			
						S	standards one through nine of			
						t	he voluntary national content			
					Center for	S	standards in economics. May be			
			Eco Applica		Economic	t	aken for letter grade or			
Fall 2007	ECO517	517	Internet I	ECO	Educ.	2 p	bass/unsatisfactory.	GR	LE	Lecture
						(Course teaches basic economic			
						S	skills and application of these			
						S	skills to K-12 teachers. Work is			
						a	assigned via the Internet. Covers			
						S	standards ten through twenty of			
						t	he voluntary national content			
					Center for	S	standards in economics. May be			
			Eco Applica		Economic	t	aken for letter grade or			
Fall 2007	ECO518	518	Internet II	ECO	Educ.	2 p	pass/unsatisfactory.	GR	LE	Lecture
						F	inancial planning and the			
						f	amily, with emphasis on aspects			
			Family		Center for	t	eachable in the K-12 classroom.			
			Financial		Economic	N	May be taken for letter grade or			
Fall 2007	ECO523	523	Security	ECO	Educ.		bass/unsatisfactory.	GR	LE	Lecture

						This course is designed to help teachers with little economic education learn how to teach economics using children's literature. Topics include			
						scarcity, decision making,			
			Tanah Fasa		Center for	marginal cost/benefit, role of			
Fall 2007	ECO550	550	Teach Econ Use Child Lit	ECO	Economic Educ.	incentives, trade, money and	GR	LE	Locturo
Fall 2007	ECO350	550	USE CHIID LIL	ECO	Educ.	3 entrepreneurship. Analysis of teaching materials	GR	LC	Lecture
					Center for	available in economics			
			Curr & Mat in		Economic	education, with emphasis on			
Fall 2007	ECO728	728	Econ Ed	ECO	Educ.	3 curriculum and teaching unit	GR	LE	Lecture
		1				Explores such areas as listening,			
						communicating, life planning,			Lecture/La
						sexuality, and the helping			b
			Interpers Proc			relation-ship with emphasis on			Combinatio
Fall 2007	ED101	101	Learn Lab	ED	Education	1 interpersonal process.	UG	LL	n
						This course explores the role and			
						relationship of education in a			
						democracy to concepts of civil			
						society, social justice, access to			
			Education to a			knowledge, and development of			
F-II 2007	ED210	210	Education in a	ED.		democratic character in the			Lastina
Fall 2007	ED210	210	Democracy Writing in ED	ED	Education	4 young. Required writing component for	UG	LE	Lecture
Fall 2007	ED210W	210W	Writing in ED 210	ED	Education	0 ED 210.	UG	LB	Lab
1 411 2007	LDZ IUW	21000	210	LU	Luucation	Field practicum introduces	JG	LD	Lau
						students to the educational			
						process through participation in			
						a classroom and through an			
			Practicum			examination of dynamics of the			
Fall 2007	ED221	221	Experience I	ED	Education	1 classroom and its setting.	UG	PR	Practicum

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						Charles of a manufactual library and in			
						Study of emerging literacy in			
						early childhood methods and			
						materials to facilitate oral and			
						written communication.			
						Integration of language art			
						across K-3 grade curricula.			
			EC Land Arts:			Modifications and intervention to			
Fall 2007	ED316	316	Cur & Mat	ED	Education	4.5 meet individual needs.	UG	LE	Lecture
			Writing in ED			Required writing component for			
Fall 2007	ED316W	316W	316	ED	Education	0 ED 316.	UG	LB	Lab
						Resources and procedures for			
						pre-reading, reading readiness,			
						and formal reading instruction.			
						Integration of reading/language			
						arts across the K-3rd grade			
						curricula. Modifications and			
			EC Reading:			interventions to meet individual			
Fall 2007	ED317	317	Cur & Mat	ED	Education	4.5 needs.	UG	LE	Lecture
						Third field/clinical practicum			
						where students implement			
						teaching strategies introduced in			
						the Phase II methods			
						components. Involvement with			
			Practicum			human service agencies and			
Fall 2007	ED321	321	Experience III	ED	Education	1 families occurs.	UG	PR	Practicum
						Fourth field/clinical practicum			
						where students implement			
						teaching strategies introduced in			
						the Phase II methods			
						components. Involvement with			
			Practicum			human service agencies and			
Fall 2007	ED323	323		ED	Education	1 families occurs.	UG	PR	Practicum

						Introduces students to the basic			
						skills of lesson planning and			
						presentation. Students use			
						l ·			
						motiva-tional techniques,			1 1 1 -
						questioning skills, alternative			Lecture/La
						teaching strategies, and varied			b
						advanced technologies, to			Combinatio
Fall 2007	ED327	327	Teaching Skills	ED	Education	3 design/deliver instructional	UG	LL	n
						Planned reading and/or project			
			Ind			under the guidance of a faculty			
			Reading&Mino			member of the College of			Independe
Fall 2007	ED370	370	r Prob	ED	Education	1 Education and Human Services.	UG	IS	nt Study
			Education			In-depth independent study			
			Honors			under the guidance of a faculty			Independe
Fall 2007	ED400	400	Research	ED	Education	1 advisor.	UG	IS	nt Study
						This course is an in-depth			
						analysis of how people learn			Lecture/La
						printed words related to			b
			Instr in Word			instructional procedures in			Combinatio
Fall 2007	ED407	407	Study:Phon	ED	Education	4.5 schools.	UG	LL	n
						Curriculum and materials for			
						teaching mathematics to Pre K-3			
						children based on NCTM			
						Standards and Ohio Academic			
						Mathematics Standards,			
						benchmarks and indicators,			
						Integration of mathematics			Lecture/La
			EC			across the curriculum.			b
			Math:Phil/Curr			Modifications and interventions			Combinatio
Fall 2007	ED411	411	ic & Mat	ED	Education	4 to meet diverse needs.	UG	LL	n

						Developing a classroom reading program based on an understanding of the reading process, goals, assessment strategies, materials, and instructional strategies. Includes strategies for supporting			
			Planning the			students with volunteer and/or			
Fall 2007	ED415	415	Reading Prog	ED	Education 4.5		UG	LE	Lecture
						Objectives, principles, and trends			
						of social studies in Early			
						Childhood Education with a focus			Lecture/La
						on integrating technology into			b
			EC Soc Study:			social studies. Field experience			Combinatio
Fall 2007	ED417	417	Curr & Mat	ED	Education 4	required.	UG	LL	n

						public school full time, work
						under direct supervision of an
						·
						experienced classroom teacher.
						In the fall, student teaching
						begins in late August to early
						September with the opening of
						the public school and continues
						for approximately 14 weeks to
						the end of fall quarter. During
						winter quarter, the period of
						student teaching corresponds
						with the academic quarter dates.
						During spring quarter, student
						teaching begins on the Monday
						of the university's spring break
						and continues to the end of the
						quarter with time off according
						to the public school's calendar
						for its spring break. Students
						may receive 12 credit hours for
						student teaching in the fall and
						10 credit hours for winter and
						spring quarters. There is no
						student teaching during the
						summer. Formal application must
						be made through the Office of
						the Director of laboratory experi-
						ences according to the following
						schedule: for fall quarter, apply
			Superv Tchg			first two weeks of preceding
Fall 2007	ED419	419	Elem	ED	Education	
Fall 2007	ED419	419	Elem	ED	Education	1 113
						Knowledge of a wide range of
						literature for middle childhood
						including the selection criteria
			14.6			and the rationale for classroom
	ED 101	404	Lit for Middle			practices with children's
Fall 2007	ED421	421	Childhood	ED	Education	3 literature. UG LE Lecture

			Writing in ED				Required writing component for			
Fall 2007	ED421W	421W	421	ED	Education	C	ED 421.	UG	LB	Lab
			Supv				Supervised full-time student			
			Teaching:				teaching in a pre-K-12, multi-age			
Fall 2007	ED429	429	Multi-Age	ED	Education	4	school setting.	UG	IN	Internship
							Techniques of diagnosing and			
							correcting reading problems of			Lecture/La
			Improv				secondary students. Explores			b
			Reading Sec				secondary reading problems with			Combinatio
Fall 2007	ED432	432	School	ED	Education	5	emphasis on skill development.	UG	LL	n
							An exit seminar preparing the			
							student to enter the profession			
							via consideration of societal			
							issues affecting education and			
							personal readiness through			
			Teacher in				individual development of a			
Fall 2007	ED440	440	School/Society	' ED	Education	1	product portfolio.	UG	SE	Seminar
			Writing in ED				Required writing component for			
Fall 2007	ED440W	440W	440	ED	Education	C	ED 440.	UG	LB	Lab
							Supervised teaching experience			
							for students who have completed			
							student teaching (or its			
							equivalent) and are seeking			
			Practicum in				certification in another field.			
Fall 2007	ED458	458	Education	ED	Education	1	Topics vary.	UG	PR	Practicum
							Students are assigned to an			
							instructional class that focuses			
							on the teaching of English to			
							speakers of other languages			
							(TESOL) for a supervised			
			Practicum in				practicum experience. Graded			Independe
Fall 2007	ED460	460	English Ed	ED	Education	1	pass/unsatisfactory.	UG	IS	nt Study

							Intensive study of a selected			
							area of the school curriculum to			
							meet the particular needs of the			
							participating preservice and in-			
			Curric &				service teachers, administrators,			
			Instruct				and curriculum supervisors.			
Fall 2007	ED470	470	Wrkshp	ED	Education	1	Topics vary.	UG	LE	Lecture
			'				An application of a variety of			
							discipline models for use in			
							diverse settings and discussion			
							of recent research, practice, and			
							innovation in the field of			
i			Classroom				classroom management,			
Fall 2007	ED600	600	Management:	ED	Education	4	addressing adolescence	GR	LE	Lecture
							Introduces students to			
							foundational analysis of the			
							relationship between public			
							education in a democracy and			
			Ed in a Plural				the critical social issues and			
Fall 2007	ED602	602	Soc:	ED	Education	4	forces impacting renewal efforts.	GR	LE	Lecture
1			Child				Factors that influence growth			
Fall 2007	ED603	603	Development	ED	Education	3	and development.	GR	LE	Lecture
			-				An examination of the period in			
							the sequence of human			
							development known as			
							adolescence, with particular			
			Adolescent				attention to psychological, social,			
Fall 2007	ED604	604	Development	ED	Education	4	and physical development.	GR	LE	Lecture
							Current trends and theories in			
			Current				education, and the development			
			Tendencies in				of criteria and procedures for			
Fall 2007	ED605	605	Ed	ED	Education	1	their evaluation and	GR	LE	Lecture
			Reading and							
Fall 2007	ED606	606	Literacy I	ED	Education	4.5		GR	LE	Lecture

							Course extends student			
							knowledge of literacy instruction			
							and addresses more advanced			
							levels of literacy including			
							textbook study and research.			
							Students are expected to carry			
							out instructional procedures			
							within their internship			
							classrooms and to be associate			
							instructors to the teachers in the			
			Reading and				areas of oral language, children's			
Fall 2007	ED607	607	Literacy II	ED	Education		literature, reading, and writing.	GR	LE	Lecture
1 411 2007	LDOOT	007	Litteracy II		Ludcation		A study of curriculum, materials,	OIX	LL	Lecture/La
			MC:				and methodology for teaching			b
			Curriculum &				mathematics in the middle			Combinatio
Fall 2007	ED610	610	Methods	ED	Education		school, grades 4 through 9.	GR	LL	n
1 411 2007	LDOTO	010	Wethous		Ladoution		The first PEP field practicum	OIT		
							provides an opportunity to work			
							in a K-12 school and human			
							service agency in order to initiate			
							the task of applying theory to			
							practice. Graded			
Fall 2007	ED612	612	Practicum I:	ED	Education		pass/unsatisfactory.	GR	PR	Practicum
1 411 2007	20012	0.2	Tradition 11		Ladoution	•	The second PEP field practicum	O.C		rradiloani
							provides involvement in a K-12			
							school and/or a human service			
							agency setting as a laboratory.			
							Introduction to family			
							collaboration occurs. Graded			
Fall 2007	ED614	614	Practicum II:	ED	Education		pass/unsatisfactory.	GR	PR	Practicum
							Intended for Intervention			
							Specialists. Provides knowledge			
							and skills for literacy instruction			
							for students with disabilities from			
			Literacy Instr:				emergent reading through			
Fall 2007	ED615	615	Disability	ED	Education		proficient reading levels.	GR	LE	Lecture

						The third field practicum			
						•			
						•			
						<u> </u>			
FD616	616	Practicum III:	FD	Education		0 0	GR	PR	Practicum
LDOTO	010	Tracticani in:		Eddodtion	•		OIT	- 11	Tracticani
						,			
						•			
						5 5			
						o e			
		Studies in							
FD620	620		FD	Education	2	•	GR	l F	Lecture
LDOZO	020	Lingiisii Laac		Eddodtion		<u> </u>	OIX		Lootuio
						3			
									Lecture/La
		Human							b
						5 5			Combinatio
FD621	621	•	FD	Education			GR	11	n
LDOZI	021	Loarring		Eddodtion		<u> </u>	OIX		**
						•			
						9			
									Lecture/La
									b
		Inst Tech and							Combinatio
FD622	622		FD	Education		<u> </u>	GR	11	n
LDOZZ	022	Thing Meth		Eddodtion			OI (**
									Lecture/La
									b
		Adoloescence							Combinatio
ED623	623		ED	Education		0 0	GR	LL	n
	ED620 ED621 ED622	ED620 620 ED621 621 ED622 622	ED620 620 Studies in English Educ Human Develop & Learning ED621 621 Inst Tech and Integ Meth Adoloescence	ED620 620 Studies in English Educ ED Human Develop & Learning ED ED622 622 Inst Tech and Integ Meth ED Adoloescence	ED620 620 Studies in English Educ ED Education Human Develop & Learning ED Education ED621 621 Inst Tech and Integ Meth ED Education Adoloescence	ED616 616 Practicum III: ED Education 1 ED620 620 Studies in English Educ ED Education 2 Human Develop & Learning ED Education 4 ED621 621 Learning ED Education 4 ED622 622 Inst Tech and Integ Meth ED Education 3 Adoloescence Adoloesce	(Also listed as ENG 685.) Focuses on theoretical issues and practical problems of teaching English at all levels, including the teaching of writing and the teaching of English to speakers of other languages (TESOL). May be taken for letter 2 grade or pass/unsatisfactory. Apply basic research techniques and method to the study of human development, learning growth, and achievement. Engage in observational analysis of children in the classroom ED621 621 Learning ED Education 4 setting, putting theory into Involves students in a spectrum of instructional technologies, techniques, and approaches appropriate for today's complex classroom. Students will utilize and integrate curriculum content and integrate curriculum co	provided in the PEP promotes understanding of the total ecology of schooling collaboration with families. A human service agency setting is Claboration with families. A human service agency setting is Thighlighted. Graded GR (Also listed as ENG 685.) Focuses on theoretical issues and practical problems of teaching English at all levels, including the teaching of Writing and the teaching of English to speakers of other languages (TESOL). May be taken for letter 2 grade or pass/unsatisfactory. ED620 620 English Educ ED Education 2 grade or pass/unsatisfactory. GR Apply basic research techniques and method to the study of human development, learning growth, and achievement. Engage in observational analysis of children in the classroom GR Involves students in a spectrum of instructional technologies, techniques, and approaches appropriate for today's complex classroom. Students will utilize and integrate curriculum content with multi-media applications. ED622 622 Integ Meth ED Education 3 with multi-media applications. GR Provided in the PEP promotes understanding of the total ecology of schooling collaboration with families. A human service agency setting is GR Frovides developing professional educators with an introduction to the teaching/learning of middle childhood/adolescence language	provided in the PEP promotes understanding of the total ecology of schooling collaboration with families. A human service agency setting is 1 highlighted. Graded (Also listed as ENG 685.) Focuses on theoretical issues and practical problems of teaching English at all levels, including the teaching of writing and the teaching of the Inglish to speakers of other languages (TESOL). May be taken for letter 2 grade or pass/unsatisfactory. ED620 620 English Educ ED Education 2 grade or pass/unsatisfactory. GR LE Apply basic research techniques and method to the study of human development, learning growth, and achievement. Engage in observational analysis of children in the classroom ED621 621 Learning ED Education 4 setting, putting theory into GR LL Involves students in a spectrum of instructional technologies, techniques, and approaches appropriate for today's complex classroom. Students will utilize and integrate curriculum content of the teaching/learning provisional educators with an introduction to the teaching/learning of middle childhood/adolescence language

						Emphasize the integration	of		
						speech, drama, and age-			Lecture/La
			MC Lit.,			appropriate children's litera	ture		b
			Speech &			to plan activities in the lang			Combinatio
Fall 2007	ED624	624	Drama	ED	Education	arts.	GR	LL	n
						Presents foreign language			
						curriculum with emphasis of	n		
						standards. Focus on Pre K-	5 first		Lecture/La
						and second language acqu	sition.		b
			Mod Foreign			Emphasis on technology ar	nd		Combinatio
Fall 2007	ED625	625	Lang Cur&Mat	ED	Education	assessment.	GR	LL	n
						Issues and strategies for			
						teachers of inquiry-based s	cience		
						to effectively meet the nee			
						a diverse student population	n. A		Lecture/La
						special emphasis is given to	o the		b
			Sci Teach			needs of students with phy	sical		Combinatio
Fall 2007	ED626	626	Inclusive Clas	ED	Education	and learning disabilities.	GR	LL	n
						Integration of children's			
						literature, music, and art w	ith		
						emphasis on selection and			
						books and related activities	in		
						grades K-12. Emphasis will	be on		Lecture/La
						technology and assessmen	t.		b
			Eur Lang: Chld			Note: Literature may be rea			Combinatio
Fall 2007	ED627	627	Lit,Mus,Art	ED	Education	translation with the instruc		LL	n
						Course focuses on principle			
						trends, resources, technological	gy,		
						critical thinking skills,			
						historiography, and social			
						science research for middle			Lecture/La
						school social studies. This			b
			Middle School			will also focus on teaching			Combinatio
Fall 2007	ED629	629	Soc Studies	ED	Education	1 multicultural classroom.	GR	LL	n

								1	
						Course provides the content area			
						for secondary teachers with			
						reading and writing strategies to			
						help solve the problems			
						encountered in grades 7-12.			
						Reading comprehension is a key			
						element in solving the many			
						problems of classrooms that			
						stress content. Writing skills and			
						strategies are taught to help			
			Lit Skills Thru			students communicate more			
Fall 2007	ED631	631	Adolscen	ED	Education	5 effectively in all content areas.	GR	LE	Lecture
						Surveys the teaching of reading			
						in American secondary schools			
						including the skills necessary to			
						teach reading in the content			
			Improv Read			subjects. Not open to reading			
Fall 2007	ED632	632	Sec Schools	ED	Education	3 majors.	GR	LE	Lecture
						An examination of major trends			
						and issues facing those who			
						work with adolescents in the			
						education system. Such elements			
						as school organization,			
			Sec Issues &			curriculum, assessment, funding,			
Fall 2007	ED635	635	Leadership	ED	Education	3 and instruction are included.	GR	LE	Lecture
						Curriculum and materials for			
						teaching middle level science			
						with emphasis on using an			
						integrated constructivist			
						approach to science teaching.			
						Includes development of			Lecture/La
			Mid Child			appropriate objectives, planning,			b
			Level Sci			resources and facilities,			Combinatio
Fall 2007	ED636	636	Mthds	ED	Education	-	GR	LL	n
									Lecture/La
						Curriculum, methods and			b
			AYA Math			materials in the mathematics of			Combinatio
Fall 2007	ED637	637	Methods Part I	ED	Education	4 grades 7 through 12, part I.	GR	LL	n
		1		1		10	1		

									Lecture/La
			AYA Math			Curriculum, methods and			b
E !! 0007	ED (0.0		Methods Part			materials in the mathematics of	0.5		Combinatio
Fall 2007	ED638	638	П	ED	Education	4 grades 7 through 12, Part II.	GR	LL	n
						Provides developing professional			
						educators instruction in			Lecture/La
						objectives, principles, and trends			b
			Adolescence			in middle childhood/adolescence			Combinatio
Fall 2007	ED639	639	Soc Studies	ED	Education	4 social studies.	GR	LL	n
						Interns are assigned to a middle			
						childhood public school full-time			
						for lead teaching under the			
						direct supervision of an			
			Internsp/Sem:			experienced classroom teacher.			
Fall 2007	ED641	641	Middle Child	ED	Education	6 Includes weekly seminar.	GR	IN	Internship
						This course provides developing			
						professional educators an			
						overview of authentic			
						assessment of the student and			
						by the student. Students will			Lecture/La
			Standards			complete a professional			b
			Based			electronic portfolio. The			Combinatio
Fall 2007	ED645	645	Assessmnt	ED	Education	4 portfolio will be aligned with the	GR	LL	n
						Each student will complete data			
			Action			analysis and write a formal 5-			
			Research			chapter report of a completed			Independe
Fall 2007	ED646	646	Capstone	ED	Education	4 action research project.	GR	IS	nt Study
			•			Study, observation, and			
						evaluation of practices. Offered			
						only to students who have			
						completed the pertinent			
						curriculum and materials course			
						and are seeking a waiver of all or	-		
						part of student teaching on the			
			Tchg in the			basis of full-time teaching			
Fall 2007	ED647	647	Public School	ED	Education	4 experience.	GR	IN	Internship
1 uii 2007	LDUTI	U T /	i dolle selleel	LU	Laucation	т охрононос.	UIV	IIV	пистыпр

							In-depth analysis of social			
							studies resource materials and			
							curricular models with a focus on			
			Improve Soc				integrating technology into social			
Fall 2007	ED648	648	Studies Instr	ED	Education	4	studies.	GR	LE	Lecture
							Interns are assigned to a 7-12			
							school full-time for lead teaching			
							under the direct supervision of			
			Internship/Se				an experienced classroom			
Fall 2007	ED651	651	minar: Adoles	ED	Education	6	teacher. Includes seminar.	GR	IN	Internship
							Supervised teaching experience			
							for students who have completed			
							student teaching or its			
			Practicum in				equivalent and are seeking			
Fall 2007	ED658	658	Education	ED	Education	1	certification in another field.	GR	PR	Practicum
							Students are assigned to an			
							instructional class that focuses			
							on the teaching of English to			
							speakers of other languages			
			Practicum in				(TESOL) for supervised			
Fall 2007	ED660	660	English Ed	ED	Education	1	practicum experience.	GR	PR	Practicum
							Students are assigned to a PK-12			
							school full-time for lead teaching			
							under the direct supervision of			
			Intern/Sem:				an experienced classroom			
Fall 2007	ED661	661	Multi-Age	ED	Education	6	teacher. Includes seminar.	GR	IN	Internship
·							Evaluation of learning, including			
							selected forms of measurement			
							and interpretation of data:			
							sociometric techniques,			
Fall 2007	ED664	664	Evaluation	ED	Education	3	anecdotal records, and testing.	GR	LE	Lecture
							Students are assigned to a			
							school full time for teaching			
							under the direct supervision of			
			Supervised				an experience classroom			
Fall 2007	ED665	665	Teaching Elem	ED	Education	6	teacher. Includes seminar.	GR	IN	Internship

							Students are assigned to a			
							school full time for teaching			
							under the direct supervision of			
			Supervised				an experienced classroom			
Fall 2007	ED667	667	Teaching Sec	ED	Education	6	teacher. Includes seminar.	GR	IN	Internship
							Intensive study of a selected			
							area of the school curriculum			
							designed to meet the particular			
							needs of the participating			Lecture/La
			Curric &				preservice and in-service			b
			Instruct				teachers, administrators, and			Combinatio
Fall 2007	ED670	670	Wrkshp	ED	Education	1	curriculum supervisors. Titles	GR	LL	n
							Selected theories of learning and			
			Advanced				the relationship between the			
			Educ				theories and instructional			
Fall 2007	ED701	701	Psychology	ED	Education	3	practice.	GR	LE	Lecture
							The past and present social,			
							philosophical, and psychological			
			Inqry Into				trends and issues in education in			
Fall 2007	ED704	704	Fndtns of Ed	ED	Education	4	a democratic society.	GR	LE	Lecture
							This course will prepare teachers			
							to recognize variations of reading			
							and writing performance in a			
							classroom and clinical setting.			Lecture/La
							Teachers will learn a range of			b
			Diag/Assemnt				assessment instruments with			Combinatio
Fall 2007	ED709	709	Read Perform	ED	Education	4.5	which to assess their students.	GR	LL	n
							Focuses on curricula, materials,			
							strategies, and techniques for			
							instructing learners with cultural,			
			Tch Strat Cult				social, economic, and intellectual			
Fall 2007	ED710	710	Divrs Set	ED	Education	4	differences.	GR	LE	Lecture
							This course provides and			
							overview of research methods,			Lecture/La
			Inquiry &				assessment, and descriptive			b
			Assessment-				statistics. Students also develop			Combinatio
Fall 2007	ED714	714	MC	ED	Education	4	a research proposal.	GR	LL	n

						Action research methods for teachers are studied and			Lecture/La
			Action Res			practiced through a field-based			Combinatio
Fall 2007	ED715	715	Meth-Teachers	ED	Education	4 pilot study.	GR	LL	n
						Development of effective reading			
						instruction based on children's			
			Foundtn of			language acquisition and			
Fall 2007	ED716	716	Reading Instr	ED	Education	3 development.	GR	LE	Lecture
						In-depth analysis of how people			
						learn printed words related to			Lecture/La
						instructional procedures in			b
			Word Study:			schools. Students will apply			Combinatio
Fall 2007	ED717	717	Phonics	ED	Education	5 knowledge in a tutoring	GR	LL	n
						Extension and enrichment of			
						knowledge of children's books.			
						Introduction to research and			
						scholarly and critical writing			
						about children's literature in			
						relation to classroom practices.			
						Application of research and			
			Lit for Elem			criticism ideas; exploration of			
Fall 2007	ED721	721	Children	ED	Education	3 internationalism in children's	GR	LE	Lecture
						Methods, curriculum, and			
						materials for teaching adolescent			
						school science: emphasis on			
						philosophy, planning and			
						implementation, evaluation,			
						resources and facilities, and			
						historical and contemporary			Lecture/La
						curricular trends in science			b
			Adol/Young			education.			Combinatio
Fall 2007	ED731	731	Adult Science	ED	Education	4	GR	LL	n

							The historical and underlying			
							The historical and underlying			
							philosophy of the middle school			
							concept based on the nature of			
							the students. Current and future			
							instructional and curricular			
			Prin and Pract				practices are viewed in relation			
Fall 2007	ED732	732	of Mid Sch	ED	Education	4	to this philosophy.	GR	LE	Lecture
							Curriculum and materials			
							concerned with issues that			
							interface science, technology,			
							and society (STS) now and in the			
							future. Clinical experiences,			
							approaches to teaching, the			
							professional literature, and			
			Sci,Tech,Soc				resources and facilities are			
Fall 2007	ED746	746	as Tch Imper	ED	Education	4	emphasized.	GR	LE	Lecture
							For those students who wish to			
							conduct individual, action-			
							oriented research for the			
							completion of their degree			
							program. The student will work			
			Research				with a committee in the			Independe
Fall 2007	ED755	755	Projects	ED	Education	1	completion of the project.	GR	IS	nt Study
			,				Identifies differences between			
							fiction and non-fiction reading.			
							Provides a general model for			
							content reading lessons and a			
							wide range of activities for			
							involving students in content			
							learning. Includes attention to			
			Content				vocabulary/concept development			
Fall 2007	ED769	769	Reading Instr	ED	Education	3	and critical reading.	GR	LE	Lecture
1 411 2007	LD707	707	Reading man	LD	Ladcation		Planned reading and/or project	OIX	<u> </u>	Lecture
							under the guidance of a College			
			Ind Reading &				of Education and Human			Independe
Eall 2007	ED770	770	Minor Prob	ED	Education	1		GR	IS	•
Fall 2007	ED//U	770	ואווווטו פוטט	Ľυ	Education	l	Services faculty member.	GK	19	nt Study

							Individual research to satisfy			
							requirements of inquiry project			Independe
Fall 2007	ED771	771	Inquiry Project	ED	Education	1	for the Master of Education	GR	IS	nt Study
							Special areas or problems in			
			Seminar Elem				elementary education. Topics			
Fall 2007	ED810	810	Ed	ED	Education	3	vary.	GR	SE	Seminar
							Advanced study in current			
			Teach				research theories and process of			
			Children to				teaching writing in the			
Fall 2007	ED815	815	Write	ED	Education	3	elementary schools.	GR	LE	Lecture
							Individual and group study of			
							problems related to the several			
			Seminar in				teaching areas in secondary			
Fall 2007	ED820	820	Secondary Ed	ED	Education	3	school instruction.	GR	SE	Seminar
							Work with an advisor to			Independe
Fall 2007	ED899	899	Thesis	ED	Education	1	complete a thesis.	GR	IS	nt Study
							Seminar introducing students to			
							the requirements of the Early			
							Childhood Education Licensure			
							Program and the knowledge,			
							skills, and dispositions required			
							as a teacher candidate in the			
					Education		Early Childhood Program.			
			Entrance		_Early		Entrance Seminar: Early			
Fall 2007	EDE200	200	Seminar: ECE	EDE	Childhood	2	Childhood Education	UG	SE	Seminar
					Education					
			Practicum Exp		_Early		Preschool placement for students			
Fall 2007	EDE221	221	I: ECE	EDE	Childhood	1	age 3-5.	UG	PR	Practicum
							3			
					Education					
			Practicum Exp		_Early		Practicum placement in a K-			
Fall 2007	EDE223	223	II:ECE	EDE	Childhood	1	grade 3 setting.	UG	PR	Practicum
					Education					
			Practicum Exp		_Early		Practicum placement in a k-			
Fall 2007	EDE225	225	III:ECE	EDE	Childhood	1	grade 3 setting.	UG	PR	Practicum

						Placement in which student			
						assist cooperating teachers in			
				Education		preparation for and operation of			
		Inernship		_Early		the initial weeks of school as			
EDE227	227	Early Start	EDE	Childhood	1	part of the year long internship.	UG	IN	Internship
						Social, economic, historical, and			
						political issues affecting ECE in a			
						diverse society. Legal			
						requirements, professional			
						guidelines, and standards in			
						programs for children birth to			
				Education		eight years. Importance of			
		ECE in Div.		_Early		multicultural education as			
EDE230	230	Plur. Soc.	EDE	Childhood	4	essential to effective teaching.	UG	LE	Lecture
				Education					
		Writing in EDE				Required writing component for			
EDE33U/W	23U/W	U	EDE	_ ,	٥		HG	I R	Lab
LDLZJUW	23000	230	LDL	Crinariooa	0		00	LD	Lab
						<u> </u>			
				Education		1			
		DAP in ECE O							
FDF231	221		FDF		3		LIG	l F	Lecture
LDLZJI	201	5 113 Old	LDL	Officialion			00		Eccture
		HG &		Education					
FDF301	301		FDF	_	1		LIG	l F	Lecture
LDLJUI	501		LUL	ormanoou			30	LL	Lociuic
		Child		Education		J .			
						5			
EDE302	302	ECE	EDE	Childhood	4	being in early childhood settings.	UG	LE	Lecture
	EDE230W EDE231 EDE301	EDE230 230 EDE230W 230W EDE231 231 EDE301 301	EDE230 230 ECE in Div. Plur. Soc. EDE230W 230W Writing in EDE 230 EDE231 231 DAP in ECE 0-5 Yrs Old H.G. & Dev:Pre-Nat Ec Child Guidance:	EDE230 230 ECE in Div. Plur. Soc. EDE EDE230W 230W 230W EDE EDE231W 231W EDE EDE231 231 DAP in ECE 0-5 Yrs Old EDE H.G. & Dev:Pre-Nat EDE EDE301 301 Ec EDE Child Guidance:	EDE237 227 Early Start EDE Childhood ECE in Div. Plur. Soc. EDE Childhood EducationEarly Childhood EducationEarly Childhood EducationEarly Childhood EducationEarly Childhood EDE230W 230W 230W EDE Childhood EDE231 231 EDE Childhood EducationEarly Childhood EducationEarly Childhood EducationEarly Childhood EducationEarly Childhood EducationEarly Childhood EDE301 301 ECE 0- EDE Childhood EducationEarly Childhood EducationEarly Childhood EducationEarly Childhood EducationEarly Childhood EducationEarly Childhood EDE301 Solve: Pre-Nat EDE Childhood EducationEarly EDE Childhood EducationEarly Childhood EducationEarly Childhood	EDE227 227 Early Start EDE Childhood 1 ECE in Div. EDE230 230 Plur. Soc. EDE Childhood 4 Education Early Childhood 4 Education Education Early Childhood 0 EDE230W 230W 230W EDE Childhood 0 EDE231 231 5 Yrs Old EDE Childhood 3 EDE231 231 5 Yrs Old EDE Childhood 3 EDE301 301 Ec EDE Childhood 4 Education Education Early Childhood 3	EDE227 227 Early Start EDE Childhood 1 preparation for and operation of the initial weeks of school as part of the year long internship. EDE227 227 Early Start EDE Childhood 1 part of the year long internship. Social, economic, historical, and political issues affecting ECE in a diverse society. Legal requirements, professional guidelines, and standards in programs for children birth to eight years. Importance of multicultural education as essential to effective teaching. EDE230 230 Plur. Soc. EDE Childhood 4 essential to effective teaching. EDE230W 230W 230W EDE Childhood 0 EDE 230. Introduction to developmentally and individually appropriate environment; organizational and curricular design of EDE programs for 0-5 years old. Primary focus on organization, administration and curriculum in 3 pre-school programs (3-5 year This course addresses the philosophies of physical, cognitive, linguistic, social and emotional typical and atypical development of children prenatal EDE301 301 Ec EDE Childhood 4 through age eight. Child Education Education Guidance: Early Education guidance strategies to facilitate learning and promote social well-	EDE227 227 Early Start EDE Childhood 1 part of the year long internship. EDE227 227 Early Start EDE Childhood 1 part of the year long internship. EDE230 230 Piur. Soc. EDE Childhood 2 essential to effective teaching. Writing in EDE Childhood 2 environment; organizational and curricular design of EDE programs for 0-5 years old. EDE230 230 Piur. Soc. EDE Childhood 0 environment; organizational and curricular design of EDE programs for 0-5 years old. EDE230 231 5 Yrs Old EDE Childhood 3 pre-school programs (3-5 year Education and Curriculum in BEDE) and political issues affecting Edecation and curricular design of EDE programs for 0-5 years old. Education Education Education and curriculum in Service and individually appropriate environment; organization, administration and curriculum in administration and curriculum in EDE programs for 0-5 years old. EDE231 231 5 Yrs Old EDE Childhood 3 pre-school programs (3-5 year Education and Educa	EDE227 227 Early Start EDE Childhood 1 part of the year long internship. EDE227 228 Early Start EDE Childhood 1 part of the year long internship. EDE230 230 Plur. Soc. EDE Childhood 4 essential to effective teaching. EDE230 230 Writing in EDE EDE Childhood 5 Education EDE230 230 EDE Childhood 6 Education EDE230 230 EDE Childhood 7 EDE230 EDE Childhood 7 EDE230 EDE Childhood 8 Education Education Education EDE230 EDE Childhood 8 Education Education EDE230 EDE Childhood 9 EDE EDE300 EDE Childhood 9 EDE EDE300 EDE Childhood 9 EDE EDE300 EDE300

			T		T T				
						Creativity and play as purposeful			
						behavior in young children.			
						Curriculum, materials and			
						assistive technology to facilitate			
					Education	communication and social			
			Creativity/Play		_Early	interaction in early childhood			
Fall 2007	EDE303	303	/Soc Dev	EDE	Childhood	4 settings.	UG	LE	Lecture
						Culturally responsive,			
						developmentally and age			
						appropriate practices based on a			
						framework of theoretical			
						research, currently early			
						childhood pedagogy (birth-age			
					Education	8) and alignment to state and			
			Principles &		_Early	nationaly early childhood			
Fall 2007	EDE304	304	Practices: ECE	EDE	Childhood	4 guidelines.	UG	LE	Lecture
						This course addresses the			
						physical, cognitive, language,			
						social and emotional typical and			
					Education	atypical development of children			
			Human Dev:		_Early	prenatal through age eight. Field			
Fall 2007	EDE305	305	Prenatal - EC	EDE	Childhood	4 experience required.	UG	LE	Lecture
						Speech and language			
						development, causes and effects			
						of communication disorder;			
						formal/informal evaluation,			
						intervention strategies for the			
					Education	classroom teacher. Assistive			
			Lang Dev &		_Early	technologies for children with			
Fall 2007	EDE307	307	Comm Dis:ECE	EDE	Childhood	3 speech and language disabilities.	UG	LE	Lecture

							Course examines causes, effects			
							and characteristics of various			
							disabilities. The focus is on			
							families, professionals, early			
							intervention/early childhood			
							special education programs, and			
					Education		agencies working collaboratively			
			Young Child		_Early		with children with disabilities			
Fall 2007	EDE315	315	Special Need	EDE	Childhood	4	birth to eight years old.	UG	LE	Lecture
							Course examines making			
							modifications and using various			
							teaching strategies to facilitate			
							the diverse learning needs of			
							young students. Focuses on			
					Education		developing and implementing			
			Teach Diverse		_Early		differentiated lessons.			
Fall 2007	EDE318	318	Lrnrs ECE	EDE	Childhood	4		UG	LE	Lecture
					Education					
			Practicum Exp		_Early		Practicum placement in a K-			
Fall 2007	EDE321	321	IV: ECE	EDE	Childhood	1	grade 3 setting.	UG	PR	Practicum
					Education					
			Practicum Exp		_Early		Practicum placement in a K-			
Fall 2007	EDE323	323	V: ECE	EDE	Childhood	1	grade 3 setting.	UG	PR	Practicum
							The role of the early childhood			
							professional in collaborating with			
			Family &		Education		diverse families in the education			
			Community:		_Early		and care of their children birth -			
Fall 2007	EDE401	401	ECE	EDE	Childhood	4	age 8.	UG	LE	Lecture
							Students are assigned to a public			
							or certified private facility under			
					Education		direct supervision of experienced			
			Student		_Early		teachers for a total of 10 weeks			
Fall 2007	EDE419	419	Teaching: ECE	EDE	Childhood	10	in K-3rd grades.	UG	IN	Internship

		T	I	I		A 1 ' ' ' C 11	I	1	
						A culminating seminar for the			
						Early Childhood Licensure			
						Program. The focus is on			
						teacher candidates' reflections of			
						their student teaching			
					Education	experience, final ECE program			
			Exit Seminar:		_Early	portfolio evaluaton, and			
Fall 2007	EDE440	440	ECE	EDE	Childhood	2 preparation for the ECE	UG	SE	Seminar
					Education				
			Writing in EDE		_Early	Required writing component for			
Fall 2007	EDE440W	440W	440	EDE	Childhood	0 EDE 440.	UG	LB	Lab
						Formal and informal techniques			ļ
						used for pre, formative, and			
						summative assessments of			
						young student's learning in order			
						to plan and implement effective			
						lessons and activities. Includes			
					Education	observations, naturalistic,			
			Assessment in		_Early	authentic, portfolio, and			
Fall 2007	EDE464	464	ECE	EDE	Childhood	4 standardized techniques.	UG	LE	Lecture
					Education				
			Morkobon			Intensive prestical study in a			
F-II 2007	EDE 470	470	Workshop	FDF	_Early	Intensive practical study in a	110		1
Fall 2007	EDE470	470	Early Ed	EDE	Childhood	1 selected area of early education.	UG	LE	Lecture // c
					F -1 + :	(Also listed as EDT (70)			Lecture/La
			M/ and a la an		Education	(Also listed as EDT 670.)			b
F II 0007	EDE (70	.70	Workshop	EDE	_Early	Intensive practical study in a	0.0		Combinatio
Fall 2007	EDE670	670	Early Ed	EDE	Childhood	3	GR	LL	n
						The study of classroom behavior			
						management within the			
						framework of child development,			
						developmentally appropriate			
						practices, and constructivist			
						education including pro-active			
					Education	planning and organization and			
			Manage Yng		_Early	appropriate expectations for			
Fall 2007	EDE702	702	Chld Bahavior	EDE	Childhood	3 young children.	GR	LE	Lecture

						Social and emotional	
						development and play as a	
						purposeful behavior in young	
						children; Curriculum, materials	
						and assistive technology to	
					Education	facilitate communication and	
			Soc Dev &		_Early	social interaction in early	
Fall 2007	EDE703	703	Play in ECE	EDE	Childhood	3 childhood settings. GR LE Lectu	ure
1 411 2007	LDL703	703	ridy iii LOL	LDL	Ormanood	Speech and language	ui c
						development, causes and effects	
						of communication disorder,	
						formal/informal evaluation,	
						intervention strategies for the	
			Lang Dev &		Education	classroom teacher. Assistive	
			Com		_Early	technologies for children with	
Fall 2007	EDE707	707	Disord:ECE	EDE	Childhood	3 speech and language disabilities. GR LE Lectu	ιιrΔ
1 411 2007	LDL101	707	District CC	LDL	Critiariooa	Focuses on the development of	uic
						the child birth to age 8, with	
						emphasis on the genetic and	
						environmental factors which	
					Education	underlie physical, cognitive,	
			Adv St of Ch		_Early	linguistic and social/emotional	
Fall 2007	EDE712	712	Dev:Typ&Atyp	EDE	Childhood	3 development. GR LE Lectu	uro
raii 200 <i>1</i>	EDETIZ	/ 12	Dev. Typaktyp	EDE	Cilianou	Study of the causes and effects	uie
						of various developmental	
						disabilities, theories, and	
					Education	legalities of early intervention	
			Yng Chld with		_Early	services 0-8, service delivery	
Fall 2007	EDE715	715	Spec Needs	EDE	Childhood	3 models, family, and agency GR LE Lectu	uro
raii 200 <i>1</i>	EDETIS	713	Spec Needs	EDE	Cilianou	Covers the practices and	ure
						procedures in developing	
						activities for young children with	
						developmental disabilities.	
						Included will be modification and	
					Education	adaptations, as applied to	
			Mtg Ind Need		_Early	development and	
Fall 2007	EDE717	717	of Yng Child	EDE	_Earry Childhood	3 implementation of the IFSP and GR LE Lectu	uro
aii 2007		/ 1 /	or ring Child	LUL	CHIIGHOOG	Spiriple mentation of the from and lok let lette	ule

						Detailed definition of the concept of developmentally appropriate practice applied to educational settings for children ages three through eight. Focuses on applying the concept of planning for literacy using an integrated			
					Education	curriculum with expressive arts			
			Adv Cur Pln		_Early	visual art, poetry, music, and creative movement. Field			
Fall 2007	EDE720	720	I:Int Lit&Art	EDE	Childhood	3 experience required.	GR	LE	Lecture
						Continued examination of			
						developmentally appropriate			
						practices for young children. Integrated planning for cognitive			
						concepts including number,			
						representation, visual/spatial			
					Education	skills, classification, logical			
			Ad Pro Pln II:		_Early	thinking, and problem solving.			
Fall 2007	EDE721	721	Int Mth&Sci	EDE	Childhood	3 Field experience required.	GR	LE	Lecture
						The various uses of appropriate			
						assessment and evaluation in			
						infancy through early childhood, including formal and informal,			
			Dev App		Education	formative and summative, play-			
			Assessment in		_Early	based, observation authentic and			
Fall 2007	EDE730	730	ECE	EDE	Childhood	3 portfolio.	GR	LE	Lecture
						A further investigation of the			
						appropriate environment,			
						enrichment activities, scheduling,			
			Drog Erly		Education	evaluation, and interactional			
			Prog Erly Ch:Infant/Tod		Education _Early	strategies in the Early Childhood setting with infants and toddlers			
Fall 2007	EDE731	731	dl	EDE	Childhood	3 (0-5 yrs).	GR	LE	Lecture

						Examination of the sources of individual differences within the early childhood classroom			
						including culture/ethnicity, race,			
					Education	language, learning style, and			
			Anti-Bias		_Early	brain dominance. Field			
Fall 2007	EDE735	735	Curricul in ECE	EDE	Childhood	experience required.	GR	LE	Lecture
all 2007	LDL/33	733	Curricul III LCL	LDL	Critianoda	Examination of current issues	GIX	LL	Lecture
						and trends in Early Childhood			
						Education using traditional and			
						contemporary electronic research			
						technology. Develops proficiency			
					Education	needed to support students			
			Conducting		_Early	advocacy for programs that			
Fall 2007	EDE744	744	Research/ECE	EDE	Childhood	positively affect children.	GR	LE	Lecture
all 2007	LDL/44	744	Research/LCL	LDL	Critianoda	Study of the history, theory,	GIX	LL	Lecture
						goals, programs, approaches and			
						related research underlying early			
						childhood education, including			
						early intervention, and early			
						childhood special education as			
						well as other program models			
					Education	and philosophies such as Reggio			
			Comparative		_Early	Emillia, High Scope, Montessori,			
Fall 2007	EDE745	745	Theories/ECE	EDE	Childhood	etc.	GR	LE	Lecture
un 2007	LDL143	743	THEOHES/ LOL	LDL	Official	Examines roles of the	OIX		Lecture
						administrator, including hiring,			
						training, evaluation, accreditation			
						regulation, program planning,			
						marketing, and budgeting.			
			Design/Adm		Education	Emphasizes sensitivity to the			
			Family EC		_Early	needs of families and			
Fall 2007	EDE750	750	Prog	EDE	Childhood	communities.	GR	LE	Lecture

Fall 2007	EDE760	760	Practicum ECE/ECE Spec Ed	EDE	Education _Early Childhood	Supervised teaching experience for students who have completed student teaching or its equivalent and are seeking certification in pre-kindergarten or kindergarten. Number of years experience with children ages 3-8 in educational settings 2 determines credit hours required. GR PR Practicum
Fall 2007	EDE770	770	Ind Read & Minor Problems	EDE	Education _Early Childhood	Planned reading and/or project under guidance of an EDE faculty 1 member. Titles vary. Independe GR IS nt Study
1 uli 2007	EBETTO	770	ECE: Masters	LUL	Education _Early	Individual projects in Early Childhood Education required for M.Ed. Planning, professor and peer review, research, completion and presentation of completed chosen research
Fall 2007	EDE800	800	Seminar	EDE	Childhood	3 paper or action research project. GR SE Seminar Provides an orientation to the university for new Residence Services paraprofessionals to prepare them to be effective in their roles. Participants are exposed to the various student services available on campus as well as aspects of student
Fall 2007	EDL410	410	Paraprof Staff Training	EDL	al Leadershi p	development, the mission of the university, Residence Services, 1 and New Student Orientation. UG LE Lecture

			Stu Dev		Education al Leadershi	Provides overview of various student development concepts and functions within a campus setting. Topics may include: community development and leadership; multiculturalism; peer counseling; interpersonal communication,; conflit mediation and resolution; developmental programming and
Fall 2007	EDL411	411	Campus Life	EDL	p	1 developmental discipline. UG LE Lecture
Fall 2007	EDL660	660	Prog in Residential Life	EDL	Education al Leadershi	Provides an orientation to the university for new residence services paraprofessionals to prepare them to be effective in their roles. Participants will be exposed to the various student services available on campus as well as aspects of student development, the mission of the university, residence services, 1 and new student orientation. GR LE Lecture
rali 2007	EDLOGO	660	Stu Dev	EDL	Education al Leadershi	Provides overview of various student development concepts and functions within a campus setting. Topics may include: community development and leadership; multiculturalism; peer counseling; interpersonal communication; conflict mediation and resolution; developmental programming and
Fall 2007	EDL661	661	Campus Life	EDL	p	1 developmental discipline. GR LE Lecture

					Education al	Special topics in selected areas in Student Affairs in Higher Education designed to focus on management trends, theoretical frameworks, critical issues, specific professional areas within Student Affairs. Past topics have included Student Housing/Residential life and			
	ED1 / / 6		Spec Topics	5 D.	Leadershi	Management Issues in Student	0.5		
Fall 2007	EDL662	662	Stu Affairs	EDL	р	1 Affairs.	GR	LE	Lecture
			Ed Leadership		Education al Leadershi	Intensive study of a selected area of the school curriculum and educational administration to meet the needs of inservice teachers, administrators, and			
Fall 2007	EDL670	670	Wkshp	EDL		1 curriculum supervisors.	GR	LE	Lecture
Fall 2007	EDL710	710	Profess Growth &	EDL	Education al Leadershi	Provides students with a foundation for professional development. Emphasis on examination of belief systems, teaching styles, and teachers aslearners; intra- and interpersonal communication skills needed in leadership roles; and functioning in a multicultural/pluralistic	GR	LE	Lecture
Fall 2007	EDL/10	/10	Schl Leadership	EUL	Education al Leadershi	The development of leadership skills and abilities and the dynamics of team functioning, including decision-making models and processes, problemsolving techniques, communication skills, conflict	GK	LE	Lecture
Fall 2007	EDL711	711	Seminar	EDL	p	1 management, and self-	GR	SE	Seminar

						Overview of past, present, and	
						emerging curriculum trends.	
					Education	Examination of educational and	
					al	curricular philosophy and how	
			Philos & Curr		Leadershi	philosophy impacts school	
Fall 2007	EDL712	712	Foundatns	EDL	p	4 programs. GR LE Lec	cture
						Selected theories of learning and	
						their value to instructional	
						practices. Emphasis on the	
					Education	relationships among learning	
			App Psych		al	theories, learner characteristics,	
			Learning		Leadershi	motivational theories, and	
Fall 2007	EDL713	713	Thery	EDL	p	4 instructional practices. GR LE Lec	cture
						Emphasizes the evolution of	
						theories and the laws that	
						underlie the free compulsory	
					Education	educational system as well as	
					al	the organization, control, and	
			Context of		Leadershi	support by the public of the	
Fall 2007	EDL714	714	Education	EDL	p	1 educational system. GR LE Lec	cture
						Focuses on teaching methods	
						and skills, and on classroom	
					Education	climate, including microteaching,	
					al	interaction analysis, and	
			Analysis of		Leadershi	collection of feedback from	
Fall 2007	EDL720	720	Teaching	EDL	p		cture
						Management and leadership	
						skills as related to the	
					Education	development and organization of	
					al	curriculum and materials;	
			Curr Design		Leadershi	implementation of the learning	
Fall 2007	EDL721	721	for Tchr	EDL	p	1 program with students. GR LE Lec	cture

						Study of the management and	
						evaluation of instruction.	
						Emphasizes uses of systematic	
						management and evaluation	
						models by classroom teachers,	
					Education	and the impact of nonclassroom	
			Instruct		al	components of school/society on	
			Manage &		Leadershi	the teacher s management and	
Fall 2007	EDL722	722	Eval	EDL	р	4 evaluation of instruction. GR LE Lectu	ıre
					F	Research on teaching	
						effectiveness; culminates in the	
					Education	writing of a research proposal to	
					al	be completed during the second	
			Research on		Leadershi	year of the Teacher Leader	
Fall 2007	EDL730	730		EDL	р	4 Program. GR LE Lectu	ıre
			<u> </u>		r	Introduction to educational	
						statistics and appraisal	
						techniques. Emphasis on how to	
						understand and use research	
						data. Methods for appraising	
					Education	student development and	
					al	progress. Enrollment limited to	
			Stat &		Leadershi	participants in the Teacher	
Fall 2007	EDL731	731	Appraisal in Ed	EDL	р	4 Leader Program. GR LE Lectu	ıre
			- 11			Individual research to satisfy	
						requirements of a research	
					Education	project for Teacher Leader	
			Directed		al	majors. Group and/or individual	
			Inquiry:		Leadershi		pende
Fall 2007	EDL732	732	Tching	EDL	p	1 advisor. GR IS nt Stu	•
						Issues in research related to	
						classroom teachers. Critical and	
					Education	current issues relevant to the	
					al	development of classroom	
			Seminar: Prof		Leadershi	teachers as leaders within the	
Fall 2007	EDL733	733	Dev Tchr	EDL	p	1 context of their roles. GR SE Semi	nar

						The legal framework of			
						_			
						compulsion in education, the civil			
						liberties of teachers, curriculum			
					Education	content, and academic freedom.			
					al	Teachers rights, duties, and			
			Legal & Prof		Leadershi	responsibilities to the education			
Fall 2007	EDL740	740	Issues	EDL	p	1 profession.	GR	LE	Lecture
						Management and leadership			
					Education	skills as related to organizational			
					al	patterns, staffing, utilization of			
			Instructional		Leadershi	space, time, and facilities at the			
Fall 2007	EDL741	741	Design	EDL	р	1 building level.	GR	LE	Lecture
			3		Education	Introduction to descriptive and			
					al	inferential statistics and their			
			Statistics and		Leadershi	application to assessment			
Fall 2007	EDL751	751	Research	EDL	р	4 procedures.	GR	LE	Lecture
		1.2.			Education	Conference course; individual			
					al	research to satisfy requirements			
			Research		Leadershi	of research study for the Master			Independe
Fall 2007	EDL755	755	Projects	EDL	р	1 of Education degree.	GR	IS	nt Study
1 411 2007	LDL700	700	riojects	LDL	P	Intensive study of formative and	OI C		Tit Stady
						summative methods used by			
					Education	teachers to assess student			
					al	performance and modify or			
			Student		Leadershi	differentiate instruction to meet			
Fall 2007	EDL757	757	Assessment	EDL		1 student needs.	GR	LE	Looturo
Fall 2007	EDL/5/	757	Assessment	EDL	р		GK	LE	Lecture
						An overview of the history,			
						philosophy, organization, and			
						structure of student personnel			
						services. Various student affairs			
						functions and professional			
					Education	competencies are presented.			
					al	Current and future trends and			
			Stu Aff Higher		Leadershi	issues in student affairs are			
Fall 2007	EDL760	760	Ed	EDL	р	4 considered.	GR	LE	Lecture

						Studies theories of student	
					Education	development and their use in	
					al	research and practice in student	
			Theories of		Leadershi	affairs, focusing specifically on	
Fall 2007	EDL761	761	Student Dev	EDL	p	4 college students. GR LE	Lecture
						Surveys student personnel	
						services in colleges and	
					Education	universities. Consideration is	
					al	given to the organization,	
			Stu Aff Admin		Leadershi	administration, and rationale of	
Fall 2007	EDL762	762	Higher Ed	EDL	p	4 these services. GR LE	Lecture
						Studies of campus ecology and	
						the changing demographic and	
						developmental issues facing	
						college students. Studies the	
						impact of the college	
						environment on student	
						development and the interaction	
						between students and the	
					Education	environment. A combination of	
					al	theory and research regarding	
			Campus		Leadershi	college students and the	
Fall 2007	EDL763	763	Ecology	EDL	p	4 environment are studied and GR LE	Lecture
						Studies theories, models, and	
						techniques for evaluation of	
						SAHE programs, and student	
					Education	organizations. Focus on a	
			Prog		al	systematic approach to	
			Eval/Assmnt		Leadershi	designing, integrating and	
Fall 2007	EDL764	764	High Edu	EDL	p	4 appraising the success of SAHE GR LE	Lecture
						Provides an opportunity to work	
					Education	under supervision in an area of	
					al	student affairs. This field work	
			Prac Stu Af		Leadershi	experience is accompanied by	
Fall 2007	EDL765	765	Higher Ed	EDL	р	4 weekly on-campus seminars. GR IN	Internship

Fall 2007	EDL766	766	Adv Sem in Stu Affairs	EDL	Education al Leadershi p Education	This field-based experience	GR	SE	Seminar
					al	provides students with advanced			
			Intern Stu Af		Leadershi	practice and supervision in their			
Fall 2007	EDL767	767	Higher Ed	EDL	p	J 1	GR	IN	Internship
			Finance & Budget in		Education al Leadershi	Current and emerging trends for funding higher education and budget models utilized provide the focus of this course. University budget and financial statements will be analyzed, budget proposals developed, and budget reduction techniques			
Fall 2007	EDL768	768	SAHE	EDL	p	· · · · · · · · · · · · · · · · · · ·	GR	LE	Lecture
					Education	Focuses on the development of a strong base of understanding in organizational structure for skill building in leadership, communication, decision-making, and problem-solving. Educational			
					Education	renewal, political considerations,			
			Edd and and		al	ethical behavior, professional			
Fall 2007	EDI 774	771	Ed Leadership	EDI	Leadershi	development, and change	CD		Looturo
Fall 2007	EDL771	771	Behavior	EDL	p	3 processes are also included.	GR	LE	Lecture

Fall 2007	EDI 772	772	Ed Administrative		Education al Leadershi	Develops an understanding of the principles of educational administrative processes, formal school structures and organization, and an introduction to school administrative task areas. School culture, principles of democratic school administration, ethical behavior, and other educational renewal oriented processes are also studied. The inclusion of a field experience emphasizes the course focus of actively blending	CD		Lecture/La b Combinatio
Fall 2007	EDL772	772	Behav	EDL	р	4 theory and practice.	GR	LL	n
						Designed to improve the school leader/administrator s ability to			
						manage and lead the			
						development and organization of			
						curriculum and materials. This			
					Education	course presents the concepts			
					al	and skills of curriculum			
E 11 0007	ED1 770		Curr Develop		Leadershi	development and shows how to	0.0		
Fall 2007	EDL773	773	Sch Ldrs	EDL	p	apply these to actual course Provides school leaders the	GR	LE	Lecture
						opportunity for analysis of			
						teaching through the exploration			
					Education	of instructional methodologies,			
					al	critical theory related to			
			Analysis of		Leadershi	teaching, and strategies for			
Fall 2007	EDL774	774	Teaching	EDL	р	1 continual improvement.	GR	LE	Lecture

						Provides school leaders			
						strategies for developing,			
						maintaining continual			
						improvement processes using			
						systems planning, instructional			
					Education	data, evaluation of improvemen	t		
					al	plans and communication of			
			Instructional		Leadershi	planning and improvement with			
Fall 2007	EDL775	775	Mgt & Eval	EDL	p	1 all stakeholders.	GR	LE	Lecture
			<u> </u>			Focus is on the supervision of			
İ						curriculum and instruction. A			
						systems approach to formative			
i					Education	and summative assessment of			
i					al	instruction. The evaluation of			
1			Supv of Instr		Leadershi	curriculum and program			
Fall 2007	EDL776	776	& Personnel	EDL	p	1 effectiveness will be emphasized	l. GR	LE	Lecture
						Focus will be on the roles			
						performed by practicing			
						educational leaders. Students			
						will observe, interact and draw			
						conclusions from field			
					Education	experience. Class sessions will			
					al	integrate the field experience			
			Prepac: Role &		Leadershi	with knowledges and skills			
Fall 2007	EDL777	777	Function	EDL	р	1 studied in prerequisite courses.	GR	IN	Internship
						Developing an understanding of			
						potential structures and effective	е		
						principles of school/community			
						relations. Concepts of power,			
						pressure groups, lobbying,			
						potential networks, and public			
						ethics are examined.			
					Education	Characteristics of effective			
					al	communication, advisory bodies	,		
			Ethics & Politic		Leadershi	and public relations programs			
Fall 2007	EDL780	780	in Edu	EDL	р	4 are covered.	GR	LE	Lecture

						The financing of public education			
						and the economics of education.			
					Education	Guiding principles for developing			
					al	financial programs and			
			Schl Finance &		Leadershi	management procedures are			
Fall 2007	EDL781	781	Econ	EDL	р	1 covered.	GR	LE	Lecture
						Provides an examination of the			
						legal framework that all school			
					Education	personnel must function in.			
					al	Emphasis on both legal			
					Leadershi	precedents and statutory			
Fall 2007	EDL782	782	School Law	EDL	р	3 provisions.	GR	LE	Lecture
						Provides educational leadership			
						degree candidates an			
					Education	opportunity to apply concepts			
					al	and skills to educational practice			
			Practicum in		Leadershi	and to evaluate their own			
Fall 2007	EDL790	790	Inst Ldshp	EDL	p	4 leadership effectiveness.	GR	PR	Practicum
						Provides curriculum and			
						supervision students with			
					Education	knowledge and skills necessary			
					al	to perform curriculum and			
			Curr Design &		Leadershi	instruction design and evaluation			
Fall 2007	EDL791	791	Evaluation	EDL	р	1 functions.	GR	LE	Lecture
						Focuses on understanding needs			
						and the motivation to change in			
						self and others within the			
					Education	context of the school			
			Profess		al	organization. Contemporary			
			Develop &		Leadershi	models of professional			
Fall 2007	EDL792	792	Change	EDL	p	1 development and change theory	GR	LE	Lecture
						Introduction to computers and			
						their applications for educational			
						leaders. Investigation of			
					Education	potential uses of the computer			Lecture/La
					al	for student learning and school			b
			Computer Apl		Leadershi	management and administration.			Combinatio
Fall 2007	EDL793	793	for Ed Ldrs	EDL	р	1 Review and evaluation of specific	GR	LL	n

						Principles of democratic school			
						administration; management of			
						teaching and nonteaching			
					Education	personnel; role of administration			
					al	in facilitating teaching and			
			Organiz &		Leadershi	learning; and school/community			
Fall 2007	EDL796	796	Adm Pub Sch	EDL		1 relations.	GR	LE	Lecture
raii 2007	EDL/90	790	Aum Pub Sch	EDL	p Education	i leiations.	GR	LE	Lecture
					al	Individual and group study of			
			Adv. Dob			Individual and group study of			
F-II 0007	EDI 054	054	Adv Rch	EDI	Leadershi	ongoing applied educational	CD.	C.F.	C !
Fall 2007	EDL851	851	Design Anly	EDL	р	3 research.	GR	SE	Seminar
						Study of computation and			
						interpretation of inferential			
						statistics as they relate to the			
						design of educational research.			
					Education	Critical study of research			
					al	techniques and reporting			
			Stat Analysis		Leadershi	methods. Computer applications			
Fall 2007	EDL852	852	& Res Desig	EDL	p	4 will be stressed.	GR	LE	Lecture
						Multivariate analysis including			
						analysis of variance-factorial			
						designs, repeated measures,			
						analysis of covariance, multiple			
						analysis of variance, multiple			
					Education	regression, and nonparametric			
					al	techniques for 1 to k samples.			
			Advanced Ed		Leadershi	Computer applications will be			
Fall 2007	EDL853	853	Statistics	EDL	p	4 stressed.	GR	LE	Lecture
						Test construction, evaluation,			
						standardization, validation,			
					Education	reliability, item analysis, norm			
					al	setting, criterion referencing,			
			Advanced Ed		Leadershi	selection, and interpretation of			
Fall 2007	EDL858	858	Measurement	EDL	р	4 standardized tests.	GR	LE	Lecture

			Internship I:		Education al Leadershi	Provides experience in school administration. Students perform administrative tasks under supervision of a licensed	
Fall 2007	EDL870	870	Principal	EDL	p	4 school administrator. GR PR	Practicum
					P	Focuses on the day-to-day	
						operation of a school building	
						and a school system. State	
					Education	requirements are emphasized in	
					al	relation to operational	
			Management		Leadershi	procedures in all aspects of	
Fall 2007	EDL871	871	of the School	EDL	p	4 managing a school and a school GR LE	Lecture
						The development of	
						understanding and procedures of	
						administering staff personnel	
						aspects of school operation.	
						Areas of recruitment, selection,	
						induction, appraisal,	
						development, compensation, and	
					Education	motivation are covered.	
			Staff		al	Emphasis is on the entry year	
			Personnel		Leadershi	performance based assessment	
Fall 2007	EDL872	872	Admin	EDL	p	4 and subsequent licensure GR LE	Lecture
						The development of	
						understanding and the	
						procedures of administering the	
						pupil personnel service aspects	
						of school operation. Ethical	
						considerations and special	
						education requirements are	
						included in addressing student	
						attendance and accounting,	
					Education	guidance and counseling	
			Pupil Pers		al	functions, disciplinary issues, and	
			Services		Leadershi	extracurricular/co-curricular	
Fall 2007	EDL873	873	Admin	EDL	p	4 activities. GR LE	Lecture

					Education	Guiding principles for developing adequate financial programs; detailed studies of sources of local, state, and federal revenue;			
					Education	and procedures for management			
			Cale Dua Mat 0		al	of school funds with reference to			
Fall 2007	EDL874	874	Sch Bus Mgt & Facil	EDL	Leadershi	budgeting, accounting, and auditing.	GR	LE	Lecture
raii 2007	EDL074	0/4	гасп	EDL	р	Provides experience in school	GK	LE	Lecture
					Education	administration. Students			
					al	perform administrative tasks			
			Internship II:		Leadershi	under supervision of a licensed			
Fall 2007	EDL890	890	Principal Principal	EDL	p	1 school administrator.	GR	IN	Internship
		0.0			P	Reviews history and			
						development of higher and			
						continuing education in the			
						United States with special			
						attention to forces that have			
					Education	shaped its development.			
					al	Examines history of critical			
			Hst & Phil		Leadershi	philosophical debates, and issues			
Fall 2007	EDL920	920	High Ed U.S.	EDL	р	4 about the nature and role of	GR	LE	Lecture
						Introduction to patterns of			
						curricular organization in the four			
						year college and university with			
						attention to historical			
						development and current			
						models. Study of the issues			
						governing curriculum planning,			
					Education	including the social, economic,			
					al	political, historical, and			
			Curriculum in		Leadershi	philosophical contexts of which			
Fall 2007	EDL921	921	Higher Ed	EDL	p	4 curriculum is formed and	GR	LE	Lecture

						Examination of statute and case			
						law that governs the operation			
						of institutions of higher			
					Education	education. Issues of			
					Education				
			L 6 L l'		al	employment, evaluation,			
- " ooo-	ED1 000		Law of Higher		Leadershi	contracts, copyright, and student			
Fall 2007	EDL922	922	Education	EDL	р	4 and faculty rights will form the	GR	LE	Lecture
						Designed to facilitate the			
						application of theory to practice			
						in teaching in colleges and			
						universities. Students will explore			
					Education	diverse pedagogical approaches			
					al	and develop an understanding of			
			Instruction in		Leadershi	the professional role of the			
Fall 2007	EDL923	923	Higher Ed	EDL	p	4 faculty member.	GR	LE	Lecture
						Introduction to administrative,			
						organizational, and leadership			
						theory and practice in the two-			
						year and four-year college and			
					Education	university. Participants explore			
					al	historical, current, and future			
			Admin in		Leadershi	plans for administration in higher			
Fall 2007	EDL924	924	Higher Ed	EDL	p	4 education.	GR	LE	Lecture
			- J			Explores the historical roots of			
						the most exciting, important			
						innovation in American higher			
						education since the Second			
						World War, the community			
					Education	college. How and why did they			
			The		al	come into being, how do they			
			Community		Leadershi	really work, and how can we			
Fall 2007	EDL926	926	College	EDL	p	4 make them more effective?	GR	LE	Lecture

						Provides opportunity for an in- depth field experience in higher education with administrative			
						professionals. Designed to			
					Education	provide breadth to the students			
					al	prior experiences and be			
			Internship in		Leadershi	consistent with individual caree	-		
Fall 2007	EDL928	928	Higher Ed	EDL	p	4 goals.	GR	IN	Internship
		1			P	Explores the role and impact of			
						athletic programs at the			
						intercollegiate level. Students			
						study administrative and			
						organizational structure,			
						specialized functions, and			
						professional career opportunitie	s		
						within the field of intercollegiate			
						athletics. Planning, financing,			
					Education	programming, and managemen	t		
					al	are studied, as well as the role			
			Intercolleg		Leadershi	athletics within the educational			
Fall 2007	EDL929	929	Athl High Ed	EDL	p	4 experience.	GR	LE	Lecture
			3		•	The internship provides			
						significant opportunities for			
						candidates to synthesize and			
						apply the knowledge and skills			
					Education	identified in the district-level			
					al	standards through substantial,			
			Internship I:		Leadershi	sustained, standards-based wor	k		
Fall 2007	EDL930	930	CIPD	EDL	p	4 in real settings.	GR	IN	Internship
						Provides the specialist an			·
						opportunity to explore the topic			
					Education	of instruction in depth and to			
					al	apply knowledge and strategies			
			Instructional		Leadershi	to the process of instructional			
Fall 2007	EDL933	933	Leadership	EDL	р	3 improvement.	GR	LE	Lecture

Fall 2007	EDL941	941	Planning Ed Futures	EDL	Education al Leadershi p	Focuses on adaptation to social, political, and educational change in the future of education. Analysis and planning procedures address the probable social, political, economic, ethical, and intellectual factors that may appear on the horizon. Strategic planning, systems theory, change theory and processes are explored in connection to forecasting potential economic, enrollment, and demographic 4 futures.		LE	Lecture
1 411 2007	LDL/II	711	T dtd103		P	This course is designed to	OIL	LL	Lociuio
						provide advanced degree			
						students an opportunity to study			
						curriculum theories from original sources and to relate those			
						theories to philosophical			
					Education	presuppositions and social-			
			Adv		al	cultural foundations. The course			
			Curriculum		Leadershi	will also focus on the critical			
Fall 2007	EDL945	945	Theory	EDL	p	3 evaluation of curriculum theories	GR	LE	Lecture
						The internship provides			
						significant opportunities for			
						candidates to synthesize and			
						apply the knowledge and skills			
					Education	identified in the district-level			
			Internehin		al	standards through substantial,			
Fall 2007	EDL950	950	InternshipII: CIPD	EDL	Leadershi	sustained, standards-based work	GR	IN	Internship
Fall 2007	EDF400	700	CIPD	CDL	р	4 in real settings.	GK	HV	ппеныпр

						The course is designed for	
						current and aspiring district-level	
						administrators exploring the	
					Education	political and social forces shaping	
					al	educational policy, instructional	
			Pol and Soc		Leadershi	leadership, and classroom	
Fall 2007	EDL960	960	Contexts	EDL		4 practice. GR SE	Seminar
Fall 2007	EDL900	900	Contexts	EDL	р	Emphasizes the roles of the	Seminar
						curriculum, instructional, and	
						staff development specialist.	
						Focuses on devloping a strong	
					Education	base of understanding	
					Education	organizational structure and skill	
					al	building in leadership,	
F-II 0007	EDI 0/4	0/1	Instructional	EDI	Leadershi	communication, decision-making,	C !
Fall 2007	EDL961	961	Leadership	EDL	р	4 and problem solving. GR SE	Seminar
						The course explores theory,	
						research, and practive related to	
						leading and managing	
						organizational environments	
					Education	requiring creating and sustaining	
					al 	personal, professional, and	
			Ldrshp Indiv		Leadershi	organizational change and	
Fall 2007	EDL962	962	Coll Change	EDL	p	4 adaptations. GR SE	Seminar
					Education	The advanced standards-based	
			Adv		al	course explores the development	
			Curriculum		Leadershi	of curriculum from a district-level	
Fall 2007	EDL963	963	Devep	EDL	p	4 perspective. GR SE	Seminar
						The internship provides	
						significant opportunities for	
						candidates to synthesize and	
						apply the knowledge and skills	
					Education	identified in the district-level	
					al	ELCC standards 1-3 through	
ı			Internship 1:		Leadershi	substantial, sustained, standards-	
Fall 2007	EDL970	970	Supt	EDL	р	4 based work in real settings. GR IN	Internship

							Emphasizes the strategic roles of			
							the superintendent, staff, school			
							board, unions, and community in			
							light of local, state, and federal			
							regulations and political			
							pressure. Reviews the limits and			
					Education		role responsibilities of school			
					al		district personnel and			
			Supt/Staff/Bd		Leadershi		constituents from organizational			
Fall 2007	EDL971	971	Relatshps	EDL	p	4	and cultural perspectives.	GR	LE	Lecture
							Draws on original sources and			
							examines the impact of both			
							professional and non-			
					Education		professional educational thinkers			
					al		on American education. The			
			Ideas in		Leadershi		impact of social trends on			
Fall 2007	EDL972	972	Education	EDL	p	3		GR	LE	Lecture
							Focus will be research on schools			
					Education		as organizations, research on			
			Adv		al		educational leadership and			
			Curriculum		Leadershi		research relate to educational			Independe
Fall 2007	EDL973	973	Analysis	EDL	p	4	content and practice.	GR	IS	nt Study
							Focus will be research on schools			
					Education		as organizations, research on			
					al		educational leadership and			
			Research in Ed		Leadershi		research relate to educational			Independe
Fall 2007	EDL973	973	Leadrshp	EDL	p	3	content and practice.	GR	IS	nt Study
							Emphasis will be on issues in			
							educational leadership and			
					Education		curriculum leadership. Program			
					al		development and administrative			
			Seminar in Ed		Leadershi		practice will serve as a basis for			
Fall 2007	EDL974	974	Leadership	EDL	p	3	emerging study issues.	GR	SE	Seminar

					Education al Leadershi	tl p a d rv s p rv ir	Designed for students enrolled in the Educational Specialist degree program and/or those students admitted to a cooperative doctoral program. Course equirements are determined by tudents and their assigned program advisors. Minimum equirements involve an andividualized set of objectives, earning strategies, and			Independe
Fall 2007	EDL975	975	Directed Study	EDL	p	1 e	valuation design.	GR	IS	nt Study
						ro a d n c	The course examines elationships between schools and communities from lemographic, political, and narketing perspectives. The ourse focuses on school and			
					Education		ommunity roles in delivering			
					al		ducational programs and			
Fall 2007	EDL980	980	Community Relations	EDL	Leadershi		ervices responsive to local leeds.	GR	SE	Seminar
1 411 2007	EDL700	700	Organiz Dyn:Indiv/Org	LUL	Education al Leadershi	F tl n a e E o g r s c	ocuses on the individual and the organization. The respective needs and expectations of each tre investigated as they apply to educational institutions. Emphasis is on interpersonal and organizational communication, proup processes, conflict resolution, and collaboration for chool improvement. These concepts are explored to help participants conceptualize the interpersonal nature of	GK	JL	Seminal
Fall 2007	EDL985	985	,	EDL	p		organizations.	GR	LE	Lecture

		1				
						Emphasizes the analysis of
						organizations and educational
						institutions in particular through
						a social systems orientation.
						Historical, current, and possible
						future organizational structures
						and processes are analyzed. Role
						theory, leadership theory, and
					Education	
					al	decision-making theory and
			Org Behav in		Leadershi	practice are addressed from an
Fall 2007	EDL986	986	Ed& Hum Serv	FDI	p	4 organizational persepctive. GR LE Lecture
					F	Focuses on the development of
						leadership skills in relationship to
						individual and organizational
						communicationsto internal and
						external audiences. Varied
						communication venues and
						simulations are employed in
						ethical administrator skill
						development. Additionally, the
						course addresses the leader's
						role as facilitator in group
					Education	processes, conflict management,
			A almain		Education	• • • • • • • • • • • • • • • • • • •
			Admin		al	negotiations, multicultural
	ED1 00=	207	Leadership in	- D.	Leadershi	mediation methodology, decision-
Fall 2007	EDL987	987	Comm	EDL	p	4 making, and problem-solving. GR LE Lecture

						Focuses on the practical applications and issues in			
						research as it relates to			
						educational leadership.			
						Participants focus on research			
						design and methodology,			
						sampling techniques, instrument			
						development, proposal writing,			
					Education	and the application of these skills			
					al	through a research project to be			
			Research &		Leadershi	implemented within a public			
Fall 2007	EDL988	988	Educ Leader	EDL	p	4 school setting.	GR	LE	Lecture
						The internship provides			
						significant opportunities for			
						candidates to synthesize and			
						apply the knowledge and skills			
					Education	identified in the district-level			
					al	ELCC standards 4-6 through			
			Internship II:		Leadershi	substantial, sustained, standards-	,		
Fall 2007	EDL990	990	Supt	EDL	p	4 based work in real settings.	GR	IN	Internship
						Three basic topics are			
					Education	addressed: (1) Teacher			
					al	Evaluation and Staff			
			Adv Sem Ed		Leadershi	Development, (2) Issues in			
Fall 2007	EDL991	991	Leadership	EDL	р	1 Leadership and Management,	GR	SE	Seminar
						The course explores the			
						relationships between			
						organizational change,			
						professional growth, and			
						leadership. Students engage in			
						theoretical and research-based			
						readings, discussions and			
					Education	activities regarding change,			
					al	innovation, leadership,			
			Schl Culture		Leadershi	organizational culture, and			
Fall 2007	EDL992	992	Prof Growth	EDL	p	4 professional development.	GR	SE	Seminar

					Education al	Guiding principles for developing adequate district fiscal programs; study of sources of revenue - local, state, and federal; procedures in management of district funds with reference to budgeting, accounting, auditing, public and governmental reporting; district cost-benefit analysis; district financial needs
			Sch Dist		Leadershi	forecasting; and levy/income tax
Fall 2007	EDL993	993	Business Mgt	EDL	p	4 campaigns. GR LE Lecture
						A synthesizing course which
						reviews the concepts, skills, and
						information of the total
						Educational Specialist's Program.
						Reporting of each candidate's
						research project will be a part of
					Education	this course. An integration of the
					al	basic purposes of the program
			Adv Sem for		Leadershi	with the concentration, cognate,
Fall 2007	EDL994	994	Ed Leaders	EDL	р	3 and common curriculum. GR LE Lecture
						Individual and group study of
						current problems and new skill
						development for educational
						leaders. Topics require
						multifaceted approaches and
					Education	investigations. Topics might
					al	include personnel management
			Adv Inst Ed		Leadershi	related to negotiations, human
Fall 2007	EDL995	995	Leaders	EDL	p	1 rights, or decision making. GR LE Lecture
					Education	
					al	
					Leadershi	Research for thesis in Indeper
Fall 2007	EDL999	999	Thesis	EDL	p	1 Educational Specialist Program. GR IS nt Study

							An introduction to the history,			
							laws, terminology, and best			
							practice for the education of			
							•			
					Falmastian		students with mild to moderate,			
			Learning		Education		moderate to intensive, or gifted			
- U 0007	FD0000	000	Differences:	- D0	_Special		educational needs. Also covered			
Fall 2007	EDS333	333	Intr	EDS	Education		are inclusive education practices.	UG	LE	Lecture
							Prepares special educators to			
							meet the instructional and			
							behavioral management			
							demands particular to working			
					Education		with exceptional individuals,			
			Inst Behav		_Special		including those with severe			
Fall 2007	EDS444	444	Man of Ex Ind	EDS	Education		behavior difficulties.	UG	LE	Lecture
							Causes and effects of specific			
							learning and language			
							disabilities, severe behavior			
					Education		disorders, and mild			
			Nat Needs		_Special		developmental disabilities. Study			
Fall 2007	EDS455	455	Mild Hand	EDS	Education	2	of teaching strategies	UG	LE	Lecture
							Techniques of collaborative			
							consultation needed to enhance			
					Education		communication with exceptional			
			Educational		_Special		individuals, parents, and			
Fall 2007	EDS459	459	Collaboration	EDS	Education	3	educational team members.	UG	LE	Lecture
										Lecture/La
					Education		Intensive practical study in a			b
			Workshop in		_Special		selected area of special			Combinatio
Fall 2007	EDS470	470	Special Ed	EDS	Education		education.	UG	LL	n
			'				An introduction to the history,			
							laws, terminology, and best			
							practice for the education of			
							students with mild to moderate,			
					Education		moderate to intensive, or gifted			
			Addressing		_Special		educational needs. Also covered			
Fall 2007	EDS624	624	Lrng Diff	EDS	Education		are inclusive education practices.	GR	LE	Lecture
1 411 2007	LDUULT	JZ 1	-1119 Dill		Ladoution	т	are merasive education practices.	∵. \		2001010

						Course introduces			
						characteristics, problems, and			
						· ·			
						adaptive technology needs of			
						persons with moderate to			1 1 1 -
						intense disabilties. Hands-on			Lecture/La
					Education	experience using a variety of			b
			Intro Adaptive		_Special	adaptive technology devices is			Combinatio
Fall 2007	EDS626	626	Technolog	EDS	Education		GR	LL	n
						Overview of historical			
						foundations, laws, theories,			
						philosophies, and models for			
						working with students birth			
						through age 8 with			
						mild/moderate/intensive			
						disabilities. Course includes the			
			EI & ECSE		Education	roles and responsibilities of an			
			Principles &		_Special	early childhood intervention			
Fall 2007	EDS632	632	Pract	EDS	Education	4 specialist.	GR	LE	Lecture
						An examination of family theory,			
						including multiple perspectives of			
						the impact of disability on			
						families, methods for			
						collaborative assessment,			
						planning, and intervention in the			
			EI & ECSE		Education	home, EI, and ESCE			
			Family		_Special	environments. Field experience			
Fall 2007	EDS633	633	Partnership	EDS	Education	4 required.	GR	LE	Lecture
			'			Overview of medical needs of			
						children, birth to 8, with			
						disabilities from the perspective			
						of an ECIS. The focus is on			
						families, professionals, agencies,			
					Education	and organizations collaborating			
			Yng Children		_Special	to meet those needs. Field			
Fall 2007	EDS634	634	w/ Med Needs	EDS	Education	4 experience required.	GR	LE	Lecture

						Practices and procedures to			
						develop/adapt curriculum for			
						students birth through grade 3			
						with mild/moderate/intensive			
						disabilities. Course includes			
			EI & ECSE		Education	information on implementing the			
			Curriculu &		_Special	IEP and IFSP. Field experience			
Fall 2007	EDS635	635	Method	EDS	_special Education	·	GR	LE	Locturo
Fall 2007	ED3033	035	Method	ED3	Education	4 required.	GK	LE	Lecture
						Practices and procedures used in			
						developing elementary and			
						secondary curricula for students			
						with mild/moderate educational			
						needs. Included will be academic			
						adaptations and development			Lecture/La
			Curric		Education	and implementation of the (IEP).			b
			Methods &		_Special	Field/clinical experiences			Combinatio
Fall 2007	EDS642	642	Mat M/M	EDS	Education	3 required.	GR	LL	n
						Course introduces etiology,			
						problems, and needs of			
						individuals who are nonspeaking.			
						Hands-on experiences are			Lecture/La
			Intro		Education	required using augmentative aids			b
			Augmentative		_Special	and devices with individuals with			Combinatio
Fall 2007	EDS643	643	Comm	EDS	Education	4 multiple impairments.	GR	LL	n
						Prepares special educators,			
						Intervention Specialists and			
						other professionals to meet the			
						instructional and behavioral			
						management demands particular			
					Education	to working with exceptional			
			Instr Behac		_Special	individuals, including those with			
Fall 2007	EDS644	644	Management	EDS	Education	3 severe emotional disturbance.	GR	LE	Lecture

						Examines role of intervention			
						specialists in shaping transition			
						experiences for students with			
						special needs. Emphasis on			
						school to adult, but transitions a			
					Education	early childhood, elementary and			
			Transitions		_Special	middle school, also addressed;			
Fall 2007	EDS645	645	Stu w/Except	EDS	Education	3 direct work with clients required	GR	LE	Lecture
						Overview of the etiology and			
						educational implications of			
						physical disabilities, sensory			
						deficits, and communication			
						disorders. Emphasis on psycho-			
						educational and physical needs			
						of children and youth, including			
					Education	adaptation of methods and			
			Phys, Sensory,		_Special	materials. Direct work with			
Fall 2007	EDS652	652	Motor Except	EDS	Education	4 clients required.	GR	LE	Lecture
			•			Review of organizations,			
						methods and techniques for			
						educating and training			
						individuals with moderate to			
						intense educational needs.			
						Surveys opportunities available			Lecture/La
					Education	for recreation, leisure time, and			b
			Curriculum		_Special	work habitation. Participation			Combinatio
Fall 2007	EDS653	653	Meth/Mat MI	EDS	Education	4 with individuals with moderate to	GR	LL	n
2007						Students learn to administer and			
						interpret formal and informal			
						educational assessment			
						instruments and to communicate			
						assessment data to parents and			
					Education	colleagues. Course content also			
			Assessment		_Special	includes learning to write IFSPs			
Fall 2007	EDS654	654	Skill IS Role	EDS	_special Education	and IEPs.	GR	LE	Lecture
raii 200 <i>1</i>	ED3034	034	SKIII 13 KUIE	EDS	EUULAIIUH	Janu IErs.	UK	LE	Lecture

						Introduces prospective			
						intervention specialists to the			
						causes and effects of mild to			
						moderate learning disorders.			
					Education	Covers cultural, social, and			
			Exceptional		_Special	emotional needs of students and			
Fall 2007	EDS655	655	Learners	EDS	Education	3 teaching strategies.	GR	LE	Lecture
			250515			Supervised clinical practice in the			200000
						diagnostic teaching of basic			
					Education	academic and social skills,			
			Clin Practicum		_Special	including learning and study			
Fall 2007	EDS656	656	Remediatio	EDS	Education	2 strategies.	GR	PR	Practicum
						Techniques of collaborative			
						consultation needed to enhance			
						communication with exceptional			
						individuals, parents, and			
			Comm &		Education	educational team members.			
			Consul Skills		_Special	Direct work in the field is			
Fall 2007	EDS659	659	Edu	EDS	Education	3 required.	GR	LE	Lecture
						Graduate student teaching			
						assignment for students seeking			
						licensure to teach mild/moderate			
						or moderate/intensive			
						educational needs or early			
					Education	childhood intervention			
			Internship:Spe		_Special	specialists. Required for			
Fall 2007	EDS661	661	cial Educ	EDS	Education	10 students without previous	GR	IN	Internship
									Lecture/La
					Education	Intensive practical study in a			b
			Workshop		_Special	selected area of special			Combinatio
Fall 2007	EDS670	670	Special Ed	EDS	Education	1 education.	GR	LL	n

Fall 2007	EDS700	700	Spec Ed Enter Seminar	EDS	Education _Special Education	Required of beginning master's degree and license students to become familiar with research tools, resources, and writing styles, to design a plan for organizing and maintaining scholarly activities required for completing the comprehension examination.	GR	SE	Seminar
raii 2007	ED3700	700	Зепша	EDS	Education	Introduction to creative problem-	GK	SE	Seminar
						solving models and approaches			
			Creative		Education	that can be used by classroom			
			Problem		_Special	teachers to involve students in			
Fall 2007	EDS720	720	Solving	EDS	Education	4 the solutions of problems.	GR	LE	Lecture
						Overview of the characteristics of			
						gifted children and youth. The			
						historical and current aspects of			
			F 1 01 1 1		Education	education of the gifted, and			
F-II 2007	EDC700	700	Edu Students	EDC.	_Special	family problems and vocational	CD		Lastina
Fall 2007	EDS722	722	with Gifts	EDS	Education	4 concerns.	GR	LE	Lecture
						Study of curriculum, materials, and methods appropriate for			
					Education	teaching gifted individuals. Local			
			Curricula for		_Special	program models are presented			
Fall 2007	EDS723	723	the Gifted	EDS	Education	4 and observed in class.	GR	LE	Lecture
1 411 2007	LDOTZO	720	the Gired	LDO	Eddodtion	An exploration of how persons	O.K		Ecotaro
						with physical, cognitive, and/or			
						sensory disabilities can be			
						accommodated to facilitate			
					Education	productive membership in			
			Adaptations		_Special	inclusive school, work and			
Fall 2007	EDS730	730	for Disability	EDS	Education	4 community enviornments.	GR	LE	Lecture

						A supervised observation			
						experience for students who are			
						completing the pre-licensure			
						sequence to teach students with			
					Education	mild/moderate,			
			Field			•			
Fall 2007	EDS771	771		EDC	_Special	moderate/intensive, or gifted 3 educational needs.	CD	INI	Intornobio
Fall 2007	ED3//1	771	Experience	EDS	Education	Seminar for completing the	GR	IN	Internship
					Education	·			
			C		Education	comprehensive examination for			
F - II 0007	ED0700	700	Spec Ed Exit	EDC	_Special	attaining a Master of Education	CD.	C.F.	C !
Fall 2007	EDS799	799	Seminar	EDS	Education	1 in Special Education.	GR	SE	Seminar
						Prepares students to take			
						advantage of the latest			
					Education	electronic information technology			
					Education	to efficiently find, evaluate, and			
			TI 51		al	use information resources			
- II 0007	EDT440	110	The Electronic	EDT	Technolo	available in electronic or			
Fall 2007	EDT110	110	Library	EDT	ду	2 traditional formats. Titles vary.	UG	LE	Lecture
						Introduction to the keyboard and			
						the development of keyboarding			
						speed and accuracy. Basic			
						document formatting with word			
					Education	processing software is practiced			
					al	in the production of			
					Technolo	correspondence, reports, and		l	
Fall 2007	EDT211	211	Keyboarding	EDT	ду	3 tabulations.	UG	LE	Lecture
						Acquired skills in keyboarding,			
						word processing, and document			
						formatting are reinforced in the			
						production of documents with			
						graphics and other advanced			
					Education	features. Skill building activities			
			Adv		al	continue to build keyboarding			
			Keyboarding/D		Technolo	speed and accuracy. Two lab			
Fall 2007	EDT212	212	esktop Pub	EDT	gy	3 hours per week required.	UG	LE	Lecture

						Essential features of word			
					Education	processing software are			
					al	introduced and practiced in the			
			Basic Word		Technolo	creating of a variety of			
Fall 2007	EDT220	220	Processing	EDT	gy	3 documents for business and	UG	LE	Lecture
						In-depth study and application of			
						the advanced features of word			
						processing software. Editing and			
					Education	composing activities emphasize			
					al	critical thinking and			
			Intern Word		Technolo	communication skills. Two lab			
Fall 2007	EDT221	221	Processing	EDT	gy	3 hours per week required.	UG	LE	Lecture
						Principles of typography and			
						design supplement advanced			
						work processing functions in			
						desktop applications that include			
					Education	newsletters, flyers, brochures,			
			Advanced		al	manuals, presentation media,			
			Word		Technolo	and Web publishing. Two lab			
Fall 2007	EDT222	222	Processing	EDT	gy	3 hours per week required.	UG	LE	Lecture
						Instruction to the use of			
					Education	computer-based technology in K-			Lecture/La
					al	12 instruction. Focus is on			b
			App Computer		Technolo	selecting courseware and			Combinatio
Fall 2007	EDT280	280	Tech	EDT	gy	4 integrating it into lessons.	UG	LL	n
						Student pursues an			
						individualized course of study			
					Education	under the close supervision of a			
					al	faculty member. It may include			
			Independent		Technolo	extensive readings, a research			Independe
Fall 2007	EDT370	370	Study	EDT	gy	1 project, a paper, or a production.	UG	IS	nt Study

							Instructional strategies in using			
							technology as a tool in teaching			
							and learning. Topics include the			
							role of state and professional			
							guidelines in curriculum			
					Education		development. Completion of two-			Lecture/La
					al		thirds of major content field			h
			Curriculum:Bu		Technolo		required. Two hour lab per week			Combinatio
Fall 2007	EDT433	433	s/Mkt Ed	EDT	gy	4	required.	UG	LL	n
		100			97		Instructional strategies and			
							trends in curriculum			
							development as affected by			
							current office technology,			
							employer expectations, and state			
					Education		and professional guidelines.			Lecture/La
					al		Field/clinical experiences			b
			Curriculum:Off		Technolo		required. Two hours lab per			Combinatio
Fall 2007	EDT434	434	ic Pro/Tech	EDT	gy	4	week required.	UG	LL	n
					Education		Survey of television production			Lecture/La
					al		from a single camera, remote			b
			Television		Technolo		production perspective, including			Combinatio
Fall 2007	EDT455	455	Production	EDT	gy	4	use of editing equipment.	UG	LL	n
					Education					Lecture/La
					al		Intensive, practical study in a			b
			Workshop Ed		Technolo		selected area of educational or			Combinatio
Fall 2007	EDT470	470	Tech	EDT	gy	1	applied technology. Titles vary.	UG	LL	n
							Business education philosophy,			
							objectives, and curricula on the			
							secondary level of instruction.			
					Education		Curriculum and materials in basic			Lecture/La
					al		business subjects, bookkeeping,			b
			Business		Technolo		data processing, and sales			Combinatio
Fall 2007	EDT633	633	Education	EDT	gy	4	communication.	GR	LL	n

		1					Curriculum, methods, and			
							materials in typewriting,			
							keyboarding, word processing,			
					F		and office procedures in the			
					Education		secondary school; current trends			Lecture/La
					al		in teaching typewriting,			b
			Curriculum:Off		Technolo		keyboarding, word processing,			Combinatio
Fall 2007	EDT634	634	ic Pro/Tech	EDT	ду	4	and office procedures.	GR	LL	n
					Education					Lecture/La
					al		Intensive, practical study in a			b
					Technolo		selected area of educational or			Combinatio
Fall 2007	EDT670	670	Wksp Ed Tech	EDT	gy	1	applied technology. Titles vary.	GR	LL	n
							Application of multimedia			
							resources in a wide variety of			
					Education		professional disciplines. Software			
					al		applications include digital			
			App of		Technolo		storytelling, web design, and			
Fall 2007	EDT680	680	Multimedia	EDT	gy	4	electronic portfolio production.	GR	LE	Lecture
							Introductory seminar into			
							educational technology			
					Education		programs. Students should take			
					al		this class before or concurrently			
			Entry Seminar		Technolo		with their educational technology			
Fall 2007	EDT700	700	Ed Tech	EDT	gy	2	coursework.	GR	SE	Seminar
					33		Focuses on the process for			
							developing school library media			
							center collections. Includes			
							policy development, selection,			
							acquisition, weeding, evaluation,			
					Education		development and use of			
					al		collections, and			
			Sm Lib Media		Technolo		copyright/intellectual freedom			
Fall 2007	EDT711	711	Collect Dev	EDT	gy	4	issues.	GR	LE	Lecture
2007		1	33.1331 231		Education		Strategies are developed to	J. (Lecture/La
					al		efficiently locate information and			b
			Internet & DB		Technolo		ideas on the Internet as well as			Combinatio
Fall 2007	EDT715	715	Search	EDT	gy	2	in fee-based information	GR	LL	n
1 all 2007	LD1/13	/ 13	Jearch	LUI	93		ווו וככ־טמטכע ווווטוווומנוטוו	UΙΛ	LL	11

						Examination of online	
						educational resources by	
						teaching level, subject, and	
					Education	specialized areas. Consideration	
					al	of issues of intellectual property	
			Bldg Online		Technolo	rights, ethics, student safety,	
Fall 2007	EDT716	716	Applications	EDT	gy	4 and professional responsibilities. GR LB Lab	
						Focuses on the process of	
						developing library media center	
						retrieval systems for	
						print/nonprint resources.	
						Students learn to establish	
					Education	standard bibliographic Lectu	ure/La
					al	description, access points, b	
			Catalog &		Technolo	classification, subject description, Coml	binatio
Fall 2007	EDT721	721	Classification	EDT	gy	4 and MARC format for automated GR LL n	
						Philosophy and objectives of the	
						business education and	
						vocational business and office	
						education curricula on the	
						secondary and postsecondary	
						levels of instruction. Guidance,	
						selection, and placement of	
					Education	students and contemporary	
					al	influences on business education	
			Foundations		Technolo	and vocational business and	
Fall 2007	EDT724	724	Bus Ed	EDT	gy	3 office education are included. GR LE Lectu	ıre
						Study of recent developments in	
					Education		ure/La
					al	subjects including vocational b	
			Curr Trends		Technolo	1 1	binatio
Fall 2007	EDT727	727	Non-Skill Bus	EDT	gy	3 of appropriate teaching GR LL n	
						Analysis of the curriculum of	
						business education and	
					Education		ure/La
					al	education in accounting and data b	
			Curr Trends		Technolo	1	binatio
Fall 2007	EDT729	729	Acctg & DP	EDT	gy	3 of teaching strategies. GR LL n	

					Education al	Focuses on the organization and administration of school libraries including policies and procedures, facilities, budgeting, personnel, program evaluation,			
F-II 2007	EDT701	701	CLM	EDT	Technolo	and marketing/advocacy.	CD	. –	Lastina
Fall 2007	EDT731	731	SLM I	EDT	gy	5 Includes field experience Focuses on the process for	GR	LE	Lecture
						developing school library			
						collections, physical and virtual.			
						Includes policies, material			
						selection, acquisitions,			
						maintenance, and evaluation of			
					Education	collections; copyright and			
					al	intellectual freedom issues.			
					Technolo	Includes field experience			
Fall 2007	EDT732	732	SLM II	EDT	gy	5 component.	GR	LE	Lecture
						Teaching information literacy skills, collaborating with			
					Education	classroom teachers, standards			
					al	alignment, and evidence-based			
					Technolo	practice. Includes field			
Fall 2007	EDT733	733	SLM III	EDT	gy	5 experience.	GR	LE	Lecture
					Education	·			
					al	Supervised field experience in a			
			SLM		Technolo	school library media center - one			
Fall 2007	EDT734	734	Internship	EDT	gy	1 week on-site all day.	GR	IN	Internship
						Students will learn the literature			
					Education	and technique of storytelling.			Lecture/La
					al 	Develop lesson plans to support			b
		7.45	Bldg LS	EDT	Technolo	speaking, listening, reading and	0.0		Combinatio
Fall 2007	EDT745	745	w/Storytelling	EDT	gy	4 writing skills.	GR	LL	n

						Major concepts covered include			
						the application of a nonlinear			
						information skills model across			
					Education	curricula: interdisciplinary and			Lecture/La
					al	authentic curriculum design; and			b
			Teach Info &		Technolo	electronic information searching			Combinatio
Fall 2007	EDT746	746	Research Skl	EDT	gy	4 skills.	GR	LL	n
						Survey course in instructional			
						media including the			
						interpretation of visuals			
						(projected and nonprojected),			
						film, instructional television,			
						gaming, audio technology,			
						multimedia systems, computers,			
					Education	operation of audiovisual			Lecture/La
			Intro		al	equipment, and media facilities.			b
			Instructional		Technolo	Focuses on the appropriate use			Combinatio
Fall 2007	EDT749	749	Media	EDT	gy	4 of media for specific instructional	GR	LL	n
						Use of communication			
						competencies and critical			
						thinking skills, including the			
					Education	ability to access, interpret,			Lecture/La
					al	evaluate, and communicate			b
			Media Literacy		Technolo	information delivered in formats			Combinatio
Fall 2007	EDT751	751	1	EDT	gy	4 that use images, voice and	GR	LL	n
						Production of media-based			
						resources that include print and			
					Education	non-print materials that use			
					al	image, text, language, sound			
			Media Literacy		Technolo	and motion to convey			
Fall 2007	EDT756	756	11	EDT	gy	4 informational communications	GR	LB	Lab

				T		Students demonstrate			
						applications of young adult			
						literature for ages 12 21 using			
						booktalks, response-centered			
					Education	approach techniques, literary			1t /1 -
					Education	projects, voices in young adult			Lecture/La
			Variation Adville		al	literature discussions, response			b Camabinatia
F - II 0007	EDT7/0	7/0	Young Adult	БВТ	Technolo	journals, and media and young	CD.		Combinatio
Fall 2007	EDT763	763	Literature	EDT	gy	4 adult literature discussions.	GR	LL	n
						Individualized course of study			
						under the supervision of the			
					Education	faculty. May include, but not			
					al	limited to, extensive readings,			
			Independent		Technolo	the performance of a research			Independe
Fall 2007	EDT770	770	Study	EDT	ду	1 project, a paper, or a production.	GR	IS	nt Study
						Information and communication			
						technology provides effective			
						technology integration strategies			
						to educators in the K-12 arena.			
					Education	Participants will be introduced to			
					al	key technology skills and explore			
			ICT in		Technolo	current and emerging practices			
Fall 2007	EDT780	780	Education	EDT	gy	4 in educational technologies.	GR	LE	Lecture
						Students use elements of			
						instructional design and			
					Education	storyboarding techniques to			
			Devel		al	translate instruction into various			
			Multimedia		Technolo	types of multimedia			
Fall 2007	EDT782	782	Prod	EDT	gy	4 presentations.	GR	LB	Lab
						Types of educational software			
					Education	and applications, software			
			Appl of		al	evaluation, curriculum			
			Computers in		Technolo	development, and lesson			
Fall 2007	EDT786	786	Ed	EDT	gy	4 planning integrating computer	GR	LB	Lab

			Org&Adm School Media		Education al Technolo	Administrative practices and services that relate to the schoo library media center. Considers problems pertaining to standards, legislation, personnel planning facilities, materials,			Lecture/La b Combinatio
Fall 2007	EDT791	791	Ctr	EDT	gy	4 instruction, and management	GR	LL	n
						Basic and practical networking:			
						preparing educators to communicate, problem-solve,			
						use computer network hardware			
						LAN and WAN operating	1		
					Education	systems, and data			Lecture/La
					al	communication basics including			b
			Ed Networking		Technolo	resource monitoring and sharing	,		Combinatio
Fall 2007	EDT793	793	of Comp	EDT	gy	4 electronic messaging, and	GR	LL	n
						Individual and group study of			
						problems related to educational			
					Education	technology. Enrollment is limited			
					al	to department majors. Should be	9		
			Exit Seminar		Technolo	taken near or at the completion			
Fall 2007	EDT799	799	in Ed Tech	EDT	gy	2 of master degree program.	GR	SE	Seminar
						Students will meet in seminar-			
						fashion in traditional and virtual			
					F	classrooms. Students will			
					Education	participate in an interactive			
			looves in		al	online discussion group.			
Fall 2007	EDT017	017	Issues in	EDT	Technolo	Students will create and manage		I D	Lab
Fall 2007	EDT817	817	Telecom in Ed	בטו	gy	4 an online learning community.	GR	LB	Lab

							Advanced course in the			
							development of a wide range of			
							techniques and materials to			
							improve instruction. Includes			
							factors that facilitate learning,			
							patterns for teaching and			
							learning, the contributions of			
					Education		audiovisual material to improve			
					al		learning, procedures for			
			Inst Design &		Technolo		designing instruction, and the			
Fall 2007	EDT839	839	Devlopment	EDT	gy	4	instructional design plan.	GR	LE	Lecture
			-				Students are assigned for a			
							maximum of 100 hours to a			
					Education		library, learning center,			
					al		computer facility, or video			
					Technolo		operation to gain practical			
Fall 2007	EDT890	890	Internship	EDT	gy	1	experience under supervised	GR	IN	Internship
							An in-depth study of educational			
							technology concepts and			
							procedures to expand and			
							enhance educational technology			
					Education		in academic settings through the			Lecture/La
					al		evaluation of current technology			b
			Grant Wrt		Technolo		services, the planning, and			Combinatio
Fall 2007	EDT893	893	Prog Eval EDT	EDT	gy	4	preparation of technology	GR	LL	n
							Covers leadership theory and			
							networking; qualifications and			
							duties of the director; planning			
							and administering the program;			
					Education		preparing the budget; buying			Lecture/La
					al		equipment and handling			b
			Adm & Superv		Technolo		materials; in-service training and			Combinatio
Fall 2007	EDT895	895	of Ed Tech	EDT	gy	4	evaluation of the program.	GR	LL	n
					Education		The project may be a thesis or			
					al		creative production and is			
			Master's		Technolo		prepared under the guidance of			Independe
Fall 2007	EDT899	899	Thesis	EDT	gy	1	the student's advisory	GR	IS	nt Study

					Education		Focus on technology. Involves			
					al		library research, analysis,			
					Technolo		evaluation, problem solving, and			Independe
Fall 2007	EDT975	975	Directed Study	EDT	gy		critical thinking.	GR	IS	nt Study
i							Provides a practical introduction			
							to important applications, and			
							hands-on experience with			Lecture/La
					Electrical		components and assembly of			b
			Prin of Elec		Engineeri		electrical systems. Laboratory			Combinatio
Fall 2007	EE140	140	Engineering	EE	ng	3	experience is emphasized.	UG	LL	n
							Provides engineering students an			
							extensive hands-on experience			
							of MATLAB. Topics include			
							relational and logic operations,			
			Egr Prblm		Electrical		array manipulation, low-level			
			Slvng w		Engineeri		I/O, graphics, and symbolic			
Fall 2007	EE250	250	MATLAB	EE	ng	2	manipulations.	UG	LE	Lecture
							(Also listed as CEG 260.) Topics			
							include switching algebra and			
							switching functions, logic design			
							of combinational and sequential			
							circuits using TTL, combinational			
							logic design with MSI and LSI,			
					Electrical		busing, storage elements, and			
			Digital Comp		Engineeri		instrumentation. Three hours			
Fall 2007	EE260	260	Hdwr/Sw Cir	EE	ng	4	lecture, two hours lab.	UG	LE	Lecture
			Digit Comp		Electrical					
			Hdwr/Sw Cir		Engineeri					
Fall 2007	EE260L	260L	Lab	EE	ng	0	Required laboratory for EE 260.	UG	LB	Lab
							Basic elements and laws, circuit			
							analysis techniques and			
					Electrical		concepts, energy storage			
			Circuit		Engineeri		elements, first and second order			
Fall 2007	EE301	301	Analysis I	EE	ng		circuits, sinusoidal steady state	UG	LE	Lecture

						Computer-assisted analysis, RLC
						circuits, operational amplifiers
					Electrical	and circuits, Thevenin and
			Circuit		Engineeri	Norton equivalents, maximum
Fall 2007	EE302	302	Analysis I Lab	EE	ng	1 power transfer, and AC UG LB Lab
			,		3	Circuit review, alternating
					Electrical	current concepts, computer-
			Circuit		Engineeri	aided circuit analysis, two-port
Fall 2007	EE303	303	Analysis II	EE	ng	3 networks, power. UG LE Lecture
						Application of AC concepts,
					Electrical	computer-aided circuit analysis,
			Circuit		Engineeri	two-port networks, and power
Fall 2007	EE304	304	Analysis II Lab	EE	ng	1 theory. UG LB Lab
						Considers systems in a broad
						context including linear,
						nonlinear; variant, invariant; and
						analog and discrete. Various
						approaches to system and signal
					Electrical	modeling are also discussed with
			Linear		Engineeri	emphasis on the Fourier
Fall 2007	EE321	321	Systems I	EE	ng	4 transform technique. UG LE Lecture
						Discrete time signals and
						systems, the z-transform,
						input/output theory, discrete
					Electrical	Fourier transform, IIR and FIR
			Linear		Engineeri	filter design, relationships, and
Fall 2007	EE322	322	Systems II	EE	ng	4 sampling. UG LE Lecture

			Numerical		Electrical	The course is a hands-on exposure to computational tools. The three contact hours of lecture define and simulate problems resulting from electrical and mechanical engineering disciplines. The one contact- hour lab consists of interactive MATLAB sessions with instructor supervision. Students will learn to analyze, solve, and interpret the results of engineering problems encountered in EE and ME senior-level courses. The primary goal of this course is to establish an understanding of the processes and limitations of machine computation, and to equip students with the	e/La
			Numerical		Electrical	·	, <u>L</u> u
			Methods for		Engineeri	competency to be productive Combin	ıatio
Fall 2007	EE325	325	Egr	EE	ng	4 problem solvers. UG LL n	
			Random Signals and		Electrical Engineeri	Provides a practical introduction to the concepts of random events, characterization of stochastic signals, first and second order moment descriptions of random processes, and input/output	
Fall 2007	EE326	326	Noise	EE	ng	4 descriptions of random signals UG LE Lecture	;

						Introduction to basic solid-state electronic devices. Fundamentals necessary for comprehension and further study of modern engineering electronics. Major topics include carrier flow in semi conductors, p-n junction theory,			
					Electrical	semiconductor diodes, bipolar junction transistors, field effect			
			Electronic						
Fall 2007	EE331	331	Devices	EE	Engineeri	transistors, biasing, and 3 introduction to amplifiers.	UG	LE	Lecture
Fall 2007	EESSI	331	Devices	EE	ng Electrical	Applications of diodes and	UG	LE	Lecture
			Electronic		Engineeri	transistors in analog circuits,			
Fall 2007	EE332	332	Devices Lab	EE		1 design of bias circuits.	UG	LB	Lab
1 411 2007	LLJJZ	332	Devices Lab	LL	ng	Electrostatics and magnetics;	00	LD	Lab
						induced electro-motive force.			
					Electrical	Maxwell equations and their			
			Electromagnet		Engineeri	physical interpretation and			
Fall 2007	EE345	345	ics	EE	ng	4 application.	UG	LE	Lecture
1 411 2007	LLOTO	0.10	103		ng .	Plane waves in free space and			Lociuio
						matter. Transmission line			
						equations and application of			
						Smith chart. Wave propagation			
						in rectangular waveguides.			
						Introduction to radiating			
						systems, including dipole and			
						loop antennas. Rudimentary			
			Tran Lines		Electrical	design of typical systems			
			Waveguides		Engineeri	containing transmission lines,			
Fall 2007	EE346	346	Ant	EE	ng	4 waveguides, and antennas.	UG	LE	Lecture

					Electrical	Application of modern electronics to instrumentation and data collection. Topics include semiconductor devices, small signal and power amplifiers, operational amplifiers, power supplies, digital fundamentals,			
			Elec Ckts &		Engineeri	and microprocessors. For			
Fall 2007	EE401	401	Devices	EE	ng	3 nonmajors.	UG	LE	Lecture
			Elec Ckts &		Electrical Engineeri	Experiments in simple circuits, diode and transistor circuits, operational amplifiers, and			
Fall 2007	EE402	402	Devices Lab	EE	ng	2 simple microprocessors.	UG	LB	Lab
Fall 2007	EE410	410	Introduction to MEMS	EE	Electrical Engineeri ng	This course covers the history, design, and fabrication of micro-electro-mechanical systems (MEMS), and the basic operating theory of selected MEMS transducers. Typical fabrication methods covered include surface micromachining, bulk micromachining, and	UG	LE	Lecture
Tall 2007	LLTIU	410	Industrial		Electrical Engineeri	For each student to gain a working knowledge of industrial controls and automation. Focus is on developing an understanding of wiring diagram creation, hardware selection, and programmable logic controller design and operation. Includes		LL	Lecture/La b Combinatio
Fall 2007	EE412	412	Controls/Auto	EE	ng	4 laboratory.	UG	LL	n

			Control		Electrical Engineeri	Introductory course providing students with a general control background. Major topics include block diagrams and signal-flow graphs, electromechanical modeling including state variable representation, time response, root locus, and introduction to			
Fall 2007	EE413	413	Systems I	EE	ng	3 design.	UG	LE	Lecture
					Electrical	Application and testing of control			
			Control		Engineeri	systems theory with		_	
Fall 2007	EE414	414	Systems I Lab	EE	ng	1 electromechanical systems.	UG	LB	Lab
						Using Control Systems I			
						background, this course			
					E	concentrates on controller			
					Electrical	design, in both the time and			
F 11 0007	EE 44E	44.5	Control	FF	Engineeri	frequency domains, using		. –	
Fall 2007	EE415	415	Systems II	EE	ng	3 Nyquist, Bode, and root locus	UG	LE	Lecture
			Control		Electrical	Application and testing of control			
E !! 0007	EE 44 /		Systems II		Engineeri	systems theory with		. 5	
Fall 2007	EE416	416	Lab	EE	ng	1 electromechanical systems.	UG	LB	Lab
						Samples spectra and aliasing,			
						analysis and design of digital			
						control systems using root locus			
						and transform techniques;			
						discrete equivalents of			
					Electrical	continuous controller,			
			Digital Control		Engineeri	quantization effects, and			
Fall 2007	EE417	417	Systems	EE	ng	3 introduction to programmable	UG	LE	Lecture

			Intro Fuzzy		Electrical Engineeri	(Also listed as CEG 419.) Foundations and philosophy of fuzzy logic and applications to control theory. Relationships between classical PID control and fuzzy rule-based control. Techniques for rule construction and adaptive fuzzy logic controllers. Case studies of fuzzy logic control applications. Three			
Fall 2007	EE419	419	Logic Ctrl	EE	ng	4 hours lecture, two hours lab.	UG	LE	Lecture
			Intro Fuzzy		Electrical Engineeri				
Fall 2007	EE419L	419L	Log Ctrl Lab	EE	ng	0 Required laboratory for EE 419.	UG	LB	Lab
			Digital Control		Electrical Engineeri	Sampling, temperature control, position control on a microprocessor-based system, PLC implementation, quantization, error computational			
Fall 2007	EE420	420	Sys Lab	EE	ng	1 delay, and frequency response.	UG	LB	Lab
			Digital Communicatio		Electrical Engineeri	Analysis of communication systems using the Fourier transform and the convolution integral. Discussion of Nyquist's ampling theorem and an introduction to binary pulse code modulation (PCM). Various analog (AM, SSB, WBFM) and digital (BPSK, AK, FSK) modulation techniques are also			
Fall 2007	EE421	421	n	EE	ng	4 discussed and analyzed.	UG	LE	Lecture

						Theory and application of basic			
						engineering electronics developed for discrete and			
						integrated circuits. Topics include			
						bipolar and field effect transistor			
					Electrical	amplifier analysis and design,			
			Electronic		Engineeri	frequency response, and multi-			
Fall 2007	EE431	431	Circuits	EE	ng	3 stage and feedback amplifiers.	UG	LE	Lecture
1 411 2007	LL431	431	Circuits	LL	Electrical	3 stage and reedback ampliners.	00	LL	Lecture
			Writing in EE		Engineeri	Required writing component for			
Fall 2007	EE431W	431W	431	EE	•	0 EE 431.	UG	LB	Lab
Fall 2007	EE431VV	43100	431	EE	ng	Design of single and multiple	UG	LD	Lau
						stage amplifier circuits, feedback			
					Electrical	amplifiers, circuits to meet			
			Electronic		Engineeri	frequency response			
Fall 2007	EE432	432	Circuits Lab	EE		1 specifications, and output	UG	LB	Lab
raii 2007	EE432	432	Circuits Lab	EE	ng Electrical	i specifications, and output	UG	LD	Lau
			Writing in EE		Engineeri	Required writing component for			
Fall 2007	EE432W	432W	432	EE	ng	0 EE 432.	UG	LB	Lab
1 411 2007	LL4JZVV	432 00	432	LL	rig	Filter theory and approximation.	00	LD	Lab
						Synthesis of active-RC and			
					Electrical	switched capacitor filters.			
			Analog &		Engineeri	Sensitivity analysis and design			
Fall 2007	EE435	435	Digital Filters	EE	ng	4 centering concepts.	UG	LE	Lecture
1 all 2007	LL433	433	Digital Filters	LL	rig	Introduces the principles and	UG	LL	Lecture
						applications of digital signal			
						processing (DSP) from the			
						design and implementation			
						perspective. Topics include			
						analog-to-digital/digital-to-			
						analog converters and digital			
						filters, Fourier analysis			
					Electrical	algorithms, and real-time			
			Digital Signal		Engineeri	applications, all implemented on			
Fall 2007	EE436	436	Presng	EE	ng	4 a TMS320C30 floating point DSP	UG	LE	Lecture
1 411 2007	LLTJU	730	i resing	LL	Electrical	The TWO SECOND HOUTING POINT DOI	00	LL	Lociuic
			Digital Signl		Engineeri				
Fall 2007	EE436L	436L	Proc Lab	EE	•	0 Required laboratory for EE 436.	UG	LB	Lab
Fall 2007	EE436L	436L	Proc Lab	EE	ng	0 Required laboratory for EE 436.	UG	LB	Lab

			Modern Signal		Electrical Engineeri	Introduction to advanced digital signal processing design concepts. Focus on time and frequency domain algorithms. Methods include multirate signal processing. Filter banks, time-frequency analysis, and wavelets. Examples taken from			
Fall 2007	EE437	437	Processing	EE	ng	4 audio signal processing. Introduction to nanoscience and	UG	LE	Lecture
						technology. Topics include			
						introduction to quantum			
						mechanics, fabrication,			
						characterization, materials,			
			Intro Nanosci/Nanot		Electrical	electronic properties, optical			
Fall 2007	EE440	440	ech	EE	Engineeri	properties, magnetic properties, 4 devices, MEMS and NEMS.	UG	LE	Lecture
Fall 2007	EE440	440	есп	EE	ng Electrical	4 devices, iviews and ivelvis.	UG	LC	Lecture
					Engineeri				
Fall 2007	EE440L	440L	Lab	EE	ng	0	UG	LB	Lab
			Linear Integer		Electrical Engineeri	Theory and applications of linear integrated circuits. Topics include ideal and real operational amplifiers, frequency response and compensation, active filters, comparators, and waveform generators. Three hours lecture,			
Fall 2007	EE444	444	Circuits	EE	ng	4 two hours lab.	UG	LE	Lecture
					Electrical				
			Linear Integ		Engineeri				
Fall 2007	EE444L	444L	Circuits Lab	EE	ng	0 Required laboratory for EE 444.	UG	LB	Lab

Fall 2007	FF44F	445	EM	FF	Electrical Engineeri	Identification of possible sources of electromagnetic interference (EMI) in an electronic device or system. Fundamental EMC design principles concerning conducted and radiated emissions, reduction of 4 susceptibility to EMI and EMI UG LE Lecture
Fall 2007	EE445	445	Compatability	EE	ng	4 susceptibility to EMI and EMI UG LE Lecture Review of Smith chart,
						introduction to microstrip lines,
						impedance matching, power gain
						equations, stability
					Electrical	considerations, and design
			Microwave		Engineeri	methods for amplifiers and
Fall 2007	EE446	446	Circuit Design	EE	ng	4 oscillators. CAD is used. UG LE Lecture
						Linear dipole antennas, antenna
						arrays, thin-wire antennas,
						moment method analysis
						examples (vee dipole, folded dipole, etc.), and broadband and
						frequency-independent
						antennas. Computer-aided
			Antenna		Electrical	design and analysis of wire
			Theory		Engineeri	antennas, feed networks, and
Fall 2007	EE447	447	&Desgn	EE	ng	4 antenna arrays using antenna UG LE Lecture
					Electrical	
			Antenna Thry		Engineeri	
Fall 2007	EE447L	447L	&Desgn Lab	EE	ng	0 Required laboratory for EE 447. UG LB Lab

Fall 2007	EE449	449	Pulse & Digital Circuits	EE	Electrical Engineeri ng Electrical	Design, analysis, and application of pulse and switching circuits using both Field Effect Transistors (FETs) and Bipolar Junction Transistors (BJTs). Transistor level design of digital integrated circuits including NMOS, CMOS, TTL, and ECL logic families. Design of digital interface and buffer circuits. Transmission line effects in digital applications. Three hours 4 lecture, two hours lab.	UG	LE	Lecture
Fall 2007	EE449L	449L	Pulse & Digital Cir Lab	EE	Engineeri ng	0 Required laboratory for EE 449.	UG	LB	Lab
Fall 2007	EE451	451	Digital Systems	EE	Electrical Engineeri	(Also listed as CEG 360.) Topics include flip-flops, registers, counters, programmable logic devices, memory devices, register-level design, and microcomputer system organization. Students must show competency in the design	UG	LE	Lecture
Fall 2007	EE451	451	Design	EE	ng Electrical	4 of digital systems. Three hours	UG	LE	Lecture
Fall 2007	EE451L	451L	Digital Sys Design Lab	EE	Engineeri ng	0 Required laboratory for EE 451.	UG	LB	Lab

					(Also listed as CEC 454.)			
					· · · · · · · · · · · · · · · · · · ·			
					<u> </u>			
					J J			
					5			
				Engineeri	· ·			
EE454	454	VLSI Design	EE		4 signal processing with VLSI.	UG	LE	Lecture
		_		Engineeri				
EE454L	454L	Lab	EE	ng		UG	LB	Lab
					456.) An introduction to the			
					mathematics, programming, and			
					control of robots. Topics include			
					coordinate systems and			
					transformations, manipulator			
				Electrical	kinematics and inverse			
		Intro to		Engineeri	kinematics, trajectory planning,			
EE456	456	Robotics	EE	ng	4 Jacobians, and control.	UG	LE	Lecture
				Electrical				
		Intro to		Engineeri				
' EE456L	456L	Robitics Lab	EE	_	0 Required laboratory for EE 456.	UG	LB	Lab
					, ,			
					•			
				Electrical				
		Ckt Dsan w			•			
EE458	458	PLDs & FPGAs		ng	4 of the course.	UG	LE	Lecture
	7 EE456L	7 EE454L 454L 7 EE456 456 7 EE456L 456L	VLSI Design Lab Intro to Robotics EE456L 456L Robitics Lab Ckt Dsgn w	VLSI Design Lab EE454L 454L Intro to Robotics EE THE EE456L 456L Robotics Lab EE Ckt Dsgn w	Flectrical Engineeri ng Electrical Engineeri ng Ckt Dsgn w Electrical Engineeri ng	planning and layout, system timing and power dissipation, simulation for VLSI design, and signal processing with VLSI. EE454 454 VLSI Design EE ng 4 signal processing with VLSI. EE454 454L 454L Lab EE ng 0 Required laboratory for EE 454. (Also listed as CEG 456, ME 456.) An introduction to the mathematics, programming, and control of robots. Topics include coordinate systems and transformations, manipulator kinematics and inverse kinematics, trajectory planning, and control of robots. Topics include coordinate systems and transformations, manipulator kinematics, trajectory planning, and control of robots. Topics include coordinate systems and transformations, manipulator kinematics, trajectory planning, and control of robots. Topics include coordinate systems and transformations, manipulator kinematics, trajectory planning, and control of robots. Topics include coordinate systems and transformations, manipulator kinematics, trajectory planning, and control of robots. Topics include coordinate systems and transformations, manipulator kinematics, trajectory planning, and control of robots. Topics include coordinate systems and transformations, manipulator kinematics, trajectory planning, and control of robots. Topics include coordinate systems and transformations, manipulator kinematics, trajectory planning, and control of robots. Topics include coordinate systems and transformations, manipulator kinematics, trajectory planning, and control of robots. Topics include coordinate systems and transformations, manipulator kinematics, trajectory planning, and control of robots. Topics include coordinate systems and transformations, and control of robots. Topics include coordinate systems and transformations, and control of robots. Topics include coordinate systems and transformations, and control of robots. Topics include coordinate systems and transformations, and control of robots. Topics include coordinate systems and transformations, and control of robots. Topics include coordinate systems and transformations, a	Introduction to VLSI system design. Topics include CMOS devices and circuit design techniques, basic building blocks for CMOS design, fabrication processing and design rules, chip planning and layout, system timing and power dissipation, simulation for VLSI design, and signal processing with VLSI. UG 7 EE454 454 VLSI Design EE ng 4 signal processing with VLSI. UG 8 Electrical Engineeri ng 0 Required laboratory for EE 454. UG (Also listed as CEG 456, ME 456.) An introduction to the mathematics, programming, and control of robots. Topics include coordinate systems and transformations, manipulator kinematics and inverse kinematics, trajectory planning, and control of robots. Topics include coordinate systems and transformations, manipulator kinematics and inverse kinematics, trajectory planning, and control of robots. Topics include coordinate systems and transformations, manipulator kinematics and inverse kinematics, trajectory planning, and acontrol of robots. Topics include coordinate systems and inverse kinematics, trajectory planning, and control of robots. Topics include coordinate systems and inverse kinematics, trajectory planning, and acontrol of coordinate systems and inverse kinematics, trajectory planning, and acontrol of digital integrated circuits using programmable logic devices (PLDs) and field programmable gate arrays (FPGAs). A commercial set of CAD tools (Mentor Graphics and Xilinx) will be used in the laboratory portion	Introduction to VLSI system design. Topics include CMOS devices and circuit design techniques, basic building blocks for CMOS design, fabrication processing and design rules, chip planning and layout, system timing and power dissipation, simulation for VLSI design, and signal processing with VLSI. UG LE VLSI Design EE ng electrical Engineeri ng 0 Required laboratory for EE 454. UG LB (Also listed as CEG 456, ME 456.) An introducion to the mathematics, programming, and control of robots. Topics include coordinate systems and transformations, manipulator kinematics and inverse kinematics and inverse kinematics and inverse kinematics and inverse kinematics and inverse kinematics and inverse kinematics, trajectory planning, and control of Robotics EE ng 0 Required laboratory for EE 456. UG LB Thiro to Engineeri ng 0 Required laboratory for EE 456. UG LB Electrical Engineeri on Reduired laboratory for EE 456. UG LB (Also listed as CEG 458, Design and application of digital integrated circuits using programmable logic devices (PLDs) and field programmable gate arrays (FPGAs). A commercial set of CAD tools (Mentor Graphics and Xilinx) will be used in the laboratory portion

			Ckt		Electrical				
			Des/PLDs&FP		Engineeri				
Fall 2007	EE458L	458L	GAs Lab	EE	ng	0 Required laboratory for EE 458.	UG	LB	Lab
						(Also listed as CEG 459.)			
						Application of VHSIC hardware			
						description language (VHDL) to			
						the design, analysis, multi-level			
						simulation and synthesis of			
						digital integrated circuits. A			
					Electrical	commercial set of CAD tools			
			Circuit Desgn		Engineeri	(Mentor Graphics) will be used in			
Fall 2007	EE459	459	with VHDL	EE	ng	4 the laboratory portion of the	UG	LE	Lecture
					Electrical				
			Ckt Desgn		Engineeri				
Fall 2007	EE459L	459L	with VHDL Lab	EE	ng	0 Required laboratory for EE 459.	UG	LB	Lab
						(Also listed as CEG 458.) Design			
						and application of digital			
						integrated circuits using			
						programmable logic devices			
						(PLDs) and field programmable			
						gate arrays (FPGAs). A			
						commercial set of CAD tools			
					Electrical	(Mentor Graphics and Xilinx) will			
			Ckt Dsgn e		Engineeri	be used in the laboratory portion			
Fall 2007	EE462	462	PLDs & FPGAs	EE	ng	4 of the course.	UG	LE	Lecture
					Electrical				
			Ckt Des PLDs		Engineeri				
Fall 2007	EE462L	462L	& FPGAs Lab	EE	ng	0 Required laboratory for EE 462.	UG	LB	Lab
						The course offers and overview			
						of basic sensor technology to			
						provide the engineering student			
						with practical working knowledge			
						of sensors. Course will include			
					Electrical	basic operating principles, basic			
			Introduction		Engineeri	electronics and measurement			
Fall 2007	EE470	470	to Sensors	EE	ng	4 principles.	UG	LE	Lecture

					Electrical				
			Introduction		Engineeri	_			
Fall 2007	EE470L	470L	to Sensors Lab	EE	ng	0	UG	LB	Lab
						Concepts and techniques of			
						probability theory are reviewed			
						and extended to random process			
						and information theory.			
						Baseband digital PCM technique,			
			Wireless		Electrical	selected digital RF modems, and			
			Communicatio		Engineeri	introduction to communication			
Fall 2007	EE473	473	n I	EE	ng	3 networks are presented.	UG	LE	Lecture
					Electrical				
			Communic Sys		Engineeri				
Fall 2007	EE473L	473L	Desgn I Lab	EE	ng	0 Required laboratory for EE 473.	UG	LB	Lab
						Hands on experience of wireless			
						communication systems. Topics			
						include: analog and digital			
						modulation and demodulation			
						(AM, FM, BPSK, QPSK, etc.),			
						frequency-flat and frequency-			
					Electrical	selective fading, equalization,			
			Wireless COM		Engineeri	diversity, BER performance of			
Fall 2007	EE474	474	Sys Lab	EE	ng	1 digital wireless communication.	UG	LB	Lab
						Study of the radar equation,			
						antenna patterns, target cross			
						sections and system losses,			
						radar measurements, pulse			
						Doppler and coherent			
						techniques, detection probability			
					Electrical	and signal-to-noise ratio, side			
			Intro to Radar		Engineeri	lobe clutter, synthetic arrays,			
Fall 2007	EE475	475	Systems	EE	ng	4 and pulse compression	UG	LE	Lecture

						This course introduces advanced			
						wireless communication			
						techniques. Topics include:			
						spreading spectrum technology			
						and CDMA, mutli-user detection			
						and interference cancellation,			
						multi-carrier transmission and			
			Wireless		Electrical	ultra-wideband transmission			
			Communicatio		Engineeri	technology, cognitive radio and			
Fall 2007	EE476	476	n II	EE	ng	4 dynamic spectrum access.	UG	LE	Lecture
1 411 2007	LL470	770			iig .	(Also listed as MTH 456, CEG	00		Lecture
						478.) Examines the essentials of			
						error-correcting codes and the			
						study of methods for efficient			
						and accurate transfer of			
						information. Topics to be			
					Electrical	covered include basic concepts,			
					Engineeri	perfect and related codes, cyclic			
Fall 2007	EE478	478	Coding Theory	EE	ng	3 codes, and BCH codes.	UG	LE	Lecture
					Electrical	Prototype offering for a new			
			Selected		Engineeri	course in electrical engineering.			
Fall 2007	EE480	480	Topics in EE	EE	ng	1 Topics and prerequisites vary.	UG	LE	Lecture
					3	A project-oriented design course			
						integrating design methodology			
						with the principles of major			
						electrical engineering disciplines.			
						Students from working groups,			
						define design projects and select			
					Electrical	faculty advisors according to			
			EE Sr. Design		Engineeri	their interests, needs and			
Fall 2007	EE481	481	Project I	EE	ng	3 knowledge bases.	UG	LE	Lecture
					Electrical				
			Writing in EE		Engineeri	Required writing component for			
Fall 2007	EE481W	481W	481	EE	ng	0 EE 481.	UG	LB	Lab

			EE Sr. Design		Electrical Engineeri		A project-oriented design course integrating design methodology with the principles of major electrical engineering disciplines. The course involves project planning and management, design specifications, implementation, testing and evaluations, electronic			
Fall 2007	EE482	482	Project II	EE	ng	3	documentation, written and oral	UG	LE	Lecture
Fall 2007	EE482W	482W	Writing in EE 482 Special	EE	Electrical Engineeri ng Electrical	0		UG	LB	Lab
			Problems in		Engineeri		Special problems in advanced			Independe
Fall 2007	EE499	499	EE	EE	ng	1	engineering. Topics vary.	UG	IS	nt Study
Fall 2007	EE499W	499W	Writing in EE 499	EE	Electrical Engineeri ng	0		UG	LB	Lab
Fall 2007	EE501	501	Circuit Analysis I	EE	Electrical Engineeri ng	4	Basic elements and laws, circuit analysis techniques and concepts, energy storage elements, first and second order circuits, sinusoidal steady state	GR	LE	Lecture
			Circuit		Electrical Engineeri		Computer-assisted analysis, RLC circuits, operational amplifiers and circuits, Thevenin and Norton equivalents, maximum			
Fall 2007	EE502	502	Analysis I Lab Circuit	EE	Electrical Engineeri	1	power transfer, AC networks. Circuit review, alternating current concepts, computer- aided circuit analysis, two-port	GR	LB	Lab
Fall 2007	EE503	503	Analysis II	EE	ng	3	networks, power.	GR	LE	Lecture
Fall 2007	EE504	504	Circuit Analysis II Lab	EE	Electrical Engineeri ng	1	Application of AC concepts, computer-aided circuit analysis, two-port networks, and power theory.	GR	LB	Lab

Fall 2007	EE521	521	Linear Systems I	EE	Electrical Engineeri ng	Considers systems in a broad context including linear, nonlinear; variant, invariant; and analog and discrete. Approaches to system and signal modeling are discussed with emphasis on 4 the Fourier transform technique. Covers discrete time signals and systems, the z-Transform,
			Linear		Electrical Engineeri	input/output theory and discrete Fourier transform, IIR and FIR filter design, relationships, and
Fall 2007	EE522	522	Random Signals and	EE	ng Electrical Engineeri	4 sampling. GR LE Lecture Provides a practical introduction to the concepts of random events, characterization of stochastic signals, first and second order moment descriptions of random processes, and input/output descriptions of random signals
Fall 2007	EE526	526	Noise Electronic	EE	ng Electrical Engineeri	4 and noise in linear systems. GR LE Lecture Introduction to basic solid-state electron devices. Fundamentals necessary for comprehension and further study of modern engineering electronics. Major topics include carrier flow in semiconductors, p-n junction theory, semiconductor diodes, bipolar junction transistors, field-effect transistors, biasing, and
Fall 2007	EE531	531	Devices Electronic	EE	ng Electrical Engineeri	3 introduction to amplifiers. GR LE Lecture Applications of diodes and transistors in analog circuits,
Fall 2007	EE532	532	Devices Lab	EE	ng	1 design of bias circuits transistors. GR LB Lab

						Developments in the basic			
						concepts of vector calculus and			
						their application to			
						• •			
						electromagnetics, electrostatics,			
					Ela atria al	and magnetics; induced			
			F		Electrical	electromotive force; and Maxwell			
F II 0007	FFF 4F	E 4 E	Electromagnet		Engineeri	s equations and their physical	0.0		
Fall 2007	EE545	545	ics	EE	ng	4 interpretation and application.	GR	LE	Lecture
						Plane waves in free space and			
						matter. Transmission line			
						equations and application of			
						Smith chart. Wave propagation			
						in rectangular waveguides.			
						Introduces radiating systems			
						including the dipole and loop			
						antennas. Rudimentary design of			
			Tran Lines		Electrical	typical systems containing			
			Waveguides		Engineeri	transmission lines, waveguides,			
Fall 2007	EE546	546	Ant	EE	ng	4 and antennas.	GR	LE	Lecture
						This course covers the history,			
						design, and fabrication of micro-			
						electro-mechanical systems			
						(MEMS), and the basic operating			
						theory of selected MEMS			
						transducers. Typical fabrication			
						methods covered include surface			
					Electrical	micromachining, bulk			
			Introduction		Engineeri	micromachining, and			
Fall 2007	EE610	610	to MEMS	EE	ng	4 micromolding.	GR	LE	Lecture
					- 5	(Also listed as BMS 710.)			
						Provides students with a general			
						control background. Major topics			
						include block diagrams and			
						signal-flow graphs,			
						electromechanical modeling			
					Electrical	including state variable			
			Control		Engineeri	representation, time response,			
Fall 2007	EE613	613	Systems I	EE	ng	3 root locus, and introduction to	GR	LE	Lecture

					Floodwinel	(Also listed as BMS 711.)		
			Control		Electrical	Application and testing of control		
Fall 2007	EE614	614	Control	ГГ	Engineeri	systems theory with 1 electromechanical systems. GR	LB	Lab
Fall 2007	EE014	014	Systems I Lab	EE	ng	1 electromechanical systems. GR (Also listed as BMS 712.)	LB	Lab
						Utilizing Control Systems I		
						background, this course concentrates on controller design		
					Electrical	9		
			Control			in both the time and frequency		
Fall 2007	FF/1F	/15	Control	ГГ	Engineeri	domains, using Nyquist, Bode,	LE	Lootumo
Fall 2007	EE615	615	Systems II	EE	ng	3 and root locus techniques. GR (Also listed as BMS 713.)	LE	Lecture
			Control		Flootrical			
			Control		Electrical	Application and testing of control		
Fall 2007	FF/1/	616	Systems II	EE	Engineeri	systems theory with 1 electromechanical systems. GR	l D	l ob
Fall 2007	EE616	010	Lab	EE	ng	3	LB	Lab
						Covers sampled spectra and		
						aliasing, analysis and design of		
						digital control systems using root		
						locus and transform techniques;		
						discrete equivalents of		
					Flactuical	continuous controller and		
			Divital Cantual		Electrical	quantization effects, introduction		
F-II 0007	FF/47	(17	Digital Control		Engineeri	to programmable logic		
Fall 2007	EE617	617	Systems	EE	ng	3 controllers. 3 hours lecture, 4 GR	LE	Lecture
						A project-oriented design course,		
						integrating design methodology		
						with the principles of controller		
						design developed in previous		
						courses. Topics include project		
						planning, system specs,		
						documentation, design reviews,		
					Electrical	written and oral reports, and		
			Control Sys		Engineeri	system test. 2 hours lecture, 2		
Fall 2007	EE618	618	Desgn Proj	EE	ng	4 hours lab. GR	LE	Lecture
					Electrical			
			Control Sys		Engineeri			
Fall 2007	EE618L	618L	Des Proj Lab	EE	ng	0 Required laboratory for EE 618. GR	LB	Lab

						(Also listed as CEG 619.) Foundations and philosophy of fuzzy logic and applications to control theory. Relationship between classical PID control and fuzzy rule-based control.			
						Techniques for rule construction and adaptive fuzzy logic			
					Electrical	controllers. Case studies of fuzzy			
			Fuzzy Logic		Engineeri	logic control applications. (3			
Fall 2007	EE619	619	Control	EE	ng	4 hours lecture and 2 hours lab.)	GR	LE	Lecture
			Fuzzy Logic		Electrical Engineeri				
Fall 2007	EE619L	619L	Cntrl Lab	EE	ng	0 Required laboratory for EE 619.	GR	LB	Lab
						Sampling, temperature control			
						on a microprocessor-based			
					Electrical	system, PLC implementation,			
			Digitl Contrl		Engineeri	quantization error computational			
Fall 2007	EE620	620	Sys Lab	EE	ng	1 delay, frequency response.	GR	LB	Lab
						Analysis of communication			
						systems using the Fourier transform and the convolution			
						integral. Discussion of Nyquist's			
						sampling theorem and an			
						introduction to binary pulse code			
						modulation (PCM). Various			
						analog (AM, SSB, WBFM) and			
			Digital		Electrical	digital (BPSK, AK, FSK)			
			Communicatio		Engineeri	modulation techniques are also			
Fall 2007	EE621	621	n	EE	ng	4 discussed and analyzed.	GR	LE	Lecture
						Theory and application of basic			
						engineering electronics			
						developed for discrete and			
						integrated circuits. Topics include bipolar and field effect transistor			
					Electrical	amplifier analysis and design,			
			Electronic		Engineeri	frequency response, multistage			
Fall 2007	EE631	631	Circuits	EE	ng	3 and feedback amplifiers.	GR	LE	Lecture

						Design of single and multiple	
					Electrical	stage amplifier circuits, feedback	
			E		Electrical	amplifiers, circuits to meet	
E 11 0007	FF / 0.0		Electronic		Engineeri	frequency response	
Fall 2007	EE632	632	Circuits Lab	EE	ng	1 specifications and output stages. GR LB La	ib di
İ						Filter theory and approximation.	
					Floodelool	Synthesis of active-RC and	
i			A 1 0		Electrical	switched capacitor filters.	
E !! 0007	EE / 0E		Analog &		Engineeri	Sensitivity analysis and design-	
Fall 2007	EE635	635	Digital Filters	EE	ng	3 1	ecture
i						Introduces principles and	
						applications of digital signal	
						processing (DSP) from the	
						design and implementation	
						perspective. Topics include	
						analog to-digital/digital-to-analog	
						converters and digital filters,	
						Fourier analysis algorithms, and	
					Electrical	real-time applications all	
			Digital Signal		Engineeri	implemented on a TMS 320C30	_
Fall 2007	EE636	636	Processing	EE	ng	4 floating Point DSP Chip. GR LE Le	ecture
			D1 11 1 01		Electrical		
E !! 0007	EE (0 ()		Digital Sig		Engineeri		
Fall 2007	EE636L	636L	Proc Lab	EE	ng	0 Required laboratory for EE 636. GR LB La	ib di
						Introduction to advanced digital	
						signal processing design	
						concepts. Focus on time and	
						frequency domain algorithms.	
						Methods include multirate signal	
					E	processing, filter banks, time-	
					Electrical	frequency analysis, and	
E !! 0007	FF / 0.7		Modern Signal		Engineeri	wavelets. Examples taken from	
Fall 2007	EE637	637	Processing	EE	ng	4 audio signal processing. GR LE Le	ecture

					Later deather to recover the second			1
					mechanics, fabrication,			
					characterization, materials,			
		Intro		Electrical	electronic properties, optical			
		Nanosci/Nanot		Engineeri	properties, magnetic properties,			
7 EE640	640	ech	EE	_		GR	LE	Lecture
					·			
7 FF640I	6401	Lab	FF		0	GR	I B	Lab
, 220102	0.02	Lab		119		O. C		Lab
					, , ,			
					· ·			
					•			
		Lincar		Floatrical	•			
					•			
7 55/44		•				CD.		1
/ EE644	644	Circuits	<u>EE</u>		4 nours lab.	GR	LE	Lecture
_		•						
7 EE644L	644L	Circuits Lab	EE	ng	·	GR	LB	Lab
					·			
					S .			
					system. Fundamental EMC			
					design principles concerning			
				Electrical	conducted and radiated			
		EM		Engineeri	emissions, reduction of			
7 EE645	645	Compatibility	EE	ng	4 susceptibility to EMI and EMI	GR	LE	Lecture
					Review of Smith chart,			
					introduction to microstrip lines,			
				Electrical				
		Microwave			•			
7 EE646	646	Circuit Design		ng	4 software by EESOF) is used.	GR	LE	Lecture
	7 EE644L 7 EE644L	7 EE644 644 7 EE644 644L 7 EE645 645	Nanosci/Nanot ech Reference Nanosci/Nanot ech Reference Nanosci/Nanot ech Linear Integrated Circuits EE644 644 Circuits Linear Integ Circuits Lab EM Compatibility Microwave	Nanosci/Nanot ech EE TEE640 640 EE Linear Integrated Circuits EE EE644L 644L Circuits Lab EE TEE645 645 EM Compatibility EE	Nanosci/Nanot ech EE ng Electrical Engineeri	Intro Nanosci/Nanot PEE 640 640 ech PEE ng Properties, magnetic properties, magnetic properties, magnetic properties, magnetic properties, magnetic properties, magnetic properties, magnetic properties, magnetic properties, devices, MEMS and NEMS. Electrical Engineeri Pee 640 640	nanotechnology. Topics include introduction tp quantum mechanics, fabrication. characterization, materials, electronic properties, optical properties, magnetic properties, optical properties, magnetic properties, optical properties, magnetic properties, optical properties, magnetic properties, optical properties, magnetic properties, optical properties, magnetic properties, optical properties, magnetic properties, optical properties, magnetic properties, optical properties, magnetic properties, optical properties, optica	nanotechnology. Topics include introduction the quantum mechanics, fabrication, characterization, materials, electronic properties, optical properties, magnetic properties, optical properties, magnetic properties, and properties, magnetic properties, and properties, magnetic properties, and properties, magnetic properties, and properties, magnetic properties, and properties, magnetic properties, and properties, magnetic properties, and properties, and properties, magnetic properties, and properties, magnetic properties, and properties, magnetic properties, and properties, delectronic properties, optical properties, optical properties, and properties, and properties, and properties, and properties, optical properties, optical properties, optical properties, optical properties, and properties, and properties, and properties, optical optical properties, optical properties, optical properties, optical optical properties, optical optical optical properties, optical optical properties, delectronic properties, delectronic properties, delectronic properties, delectronic properties, delectronic properties, delectronic properties, delectronic properties, delectronic properties, delectronic properties, delectronic properties, delectronic properties, delectronic properties, delectronic properties, delectronic propert

						Computer-aided design and analysis of wire antennas, feed networks, and antenna arrays using antenna CAD software. Covers linear dipole antennas, antenna arrays, thin-wire antennas, moment method	
			Antenna		Electrical	analysis (vee dipole, folded	
			Theory &		Engineeri	dipole, etc.), broadband and	
Fall 2007	EE647	647	Desgn	EE	ng	4 frequency-independent GR LE	Lecture
			3		<u> </u>	A project-oriented design course,	
						integrating design methodology	
						with the principles of microwave	
						circuit analysis and	
						electromagnetic wave	
						propagation, developed in	Lecture/La
			DE / N		Electrical	previous courses. Formal	b
F-II 0007	FF(40		RF/Microwave	FF	Engineeri	documentation, design reviews,	Combinatio
Fall 2007	EE648	648	Sys Design	EE	ng	4 and reporting are required. GR LL Design, analysis, and application	n
						of pulse and switching circuits	
						using both Field Effect	
						Transistors (FETS) and Bipolar	
						Junction Transistors (BJTS).	
						Transistor level design of digital	
						integrated circuits including	
						NMOS, CMOS, TTL, and ECL	
						logic families. Design of digital	
					Electrical	interface and buffer circuits.	
			Pulse and		Engineeri	Transmission line effects in	
Fall 2007	EE649	649	Digital Circuit	EE	ng	4 digital applications. 3 hours GR LE	Lecture
					Electrical		
			Pulse & Digital		Engineeri		
Fall 2007	EE649L	649L	Cir Lab	EE	ng	0 Required laboratory for EE 649. GR LB	Lab

Fall 2007	EE651	651	Digital Systems Design	EE	Electrical Engineeri ng	(Also listed as CEG 560.) Topics include flip-flops, registers, counters, programmable logic devices, memory devices, register-level design, and microcomputer system organization. Student must show competency in the design of 4 digital systems. 3 hours lecture,	GR	LE	Lecture
1 411 2007	LLUJI	031	Digital	LL	Electrical	4 digital systems. 5 flours lecture,	OIX	LL.	Lecture
			Systems		Engineeri				
Fall 2007	EE651L	651L	Desgn Lab	EE	ng	0 Required laboratory for EE 651.	GR	LB	Lab
F. W. 2007					Electrical Engineeri	(Also listed as CEG 654.) Introduction to VLSI system design. Topics include CMOS devices and circuit design techniques, basic building blocks for CMOS design, fabrication processing and design rules, chip planning and layout, system timing and power dissipation, simulation for VLSI design, and	•		
Fall 2007	EE654	654	VLSI Design	EE	ng	4 signal processing with VLSI.	GR	LE	Lecture
			VLSI Design		Electrical Engineeri				
Fall 2007	EE654L	654L	Lab	EE	ng	0 Required laboratory for EE 654.	GR	LB	Lab

Fall 2007	EE655	655	VLSI Cir Desgn Proj	EE	Electrical Engineeri ng Electrical	A project-oriented design course, integrating design methodology with principles of integrated circuit design developed in previous courses. Focus is an integrated circuit design project including the topics of project selection, planning and management, system specification, documentation, design reviews, written and oral reports, and testing. 2 hours 4 lecture, 4 hours lab.	GR	LE	Lecture
Fall 2007	EE655L	655L	Elec Cir Desgn Proj Lab	EE	Engineeri ng	0 Required laboratory for EE 655.	GR	LB	Lab
. 311 2007			Intro to		Electrical Engineeri	(Also listed as CEG 656 and ME 656.) Introduction to the mathematics, programming, and control of robots. Topics covered include coordinate systems and transformations, manipulator kinematics and inverse kinematics, trajectory planning, Jacobians, and control. Prerequisite: MTH 253; proficiency in Pascal, C, or			
Fall 2007	EE656	656	Robotics	EE	ng	4 FORTRAN programming.	GR	LE	Lecture
Fall 2007	EE656L	656L	Intro to Robotics Lab	EE	Electrical Engineeri ng	0 Required laboratory for EE 656.	GR	LB	Lab

Fall 2007	EE658	658	Ckt Dsgn w PLDs & FPGAs	EE	Electrical Engineeri ng	(Also listed as CEG 658.) Design and application of digital integrated circuits using programmable logic devices (PLDs) and field programmable gate arrays (FPGAs). A commercial set of CAD tools (Mentor Graphics and Xilinx) are used in the lab portion of the 4 course.	GR	LE	Lecture
					Electrical				
			Ckt Des/PLDs		Engineeri				
Fall 2007	EE658L	658L	& FPGAs Lab	EE	ng	0 Required laboratory for EE 658.	GR	LB	Lab
						(Also listed as CEG 659.)			
						Application of VHSIC hardware			
						description language (VHDL) to the design, analysis, multi-level			
						simulation, and synthesis of			
						digital integrated circuits. A			
					Electrical	commercial set of CAD tools			
			Circuit Desgn		Engineeri	(Mentor Graphics) are used in			
Fall 2007	EE659	659	with VHDL	EE	ng	4 the lab portion of the course.	GR	LE	Lecture
					Electrical	·			
			Ckt Desgn		Engineeri				
Fall 2007	EE659L	659L	with VHDL Lab	EE	ng	0 Required laboratory for EE 659.	GR	LB	Lab
						(Also listed as CEG 658.) Design			
						and application of digital			
						integrated circuits using			
						programmable logic devices			
						(PLDs) and field programmable			
						gate arrays (FPGAs). A commercial set of CAD tools			
					Electrical	(Mentor Graphics and Xilinx) are			
			Ckt Dsgn w		Engineeri	used in the lab portion of the			
Fall 2007	EE662	662	PLDs & FPGAs	FF	ng	4 course.	GR	LE	Lecture
. 411 2007	22002	002	I LDS & II OAS		Electrical	1 000130.	510		Locialo
			Ckt Des/PLDs		Engineeri				
Fall 2007	EE662L	662L	& FPGAs Lab	EE	ng	0 Required laboratory for EE 662.	GR	LB	Lab

	55/30		Introduction		Electrical Engineeri	An overview of basic sensor technology to provide the engineering student with practical working knowledge of sensors. Course will include basic sensor operating priniples, basic electronics and measurement
Fall 2007	EE670	670	to Sensors	EE	ng Electrical	4 principles. GR LE Lecture
			Introduction			
Fall 2007	EE670L	670L	to Sensors Lab	СС	Engineeri ng	O GR LB Lab
			Wireless Communicatio		Electrical Engineeri	Probability concepts are reviewed and extended to treat random process theory. Probability techniques are then used to introduce the essential ideas of information theory. The baseband digital PCM technique is covered in detail and the most important digital RF modems are also considered. Brief introduction to communication networks provided. 3 hours
Fall 2007	EE673	673	n I	EE	ng	3 lecture, 2 hours lab. GR LE Lecture
Fall 2007	EE673L	673L	Commun Sys Desgn I Lab Wireless	EE	Electrical Engineeri ng	O Required laboratory for EE 673. GR LB Lab Hands on experience of wireless communication systems. Topics include: analog and digital modulation and demodulation (AM, FM, BPSK, QPSK, etc.) frequency-flat, and frequency-selective fading, equalization, deiveristy, BER
Fall 2007	EE674	674	Commun Sys Lab	EE	Engineeri ng	performance of digital wireless 1 communication. GR LB Lab
1 ull 2001	LLUIT	017	LUD		פייש	Lab

						Introductory study of the radar
						equation, antenna patterns,
						target cross sections and system
						losses, radar measurements,
						pulse doppler and coherent
						techniques, detection probability
					Electrical	and signal-to-noise ratio,
			Intro to Radar		Engineeri	sidelobe clutter, synthetic arrays,
Fall 2007	FF47F	47E		EE	· ·	
Fall 2007	EE675	675	Systems	EE	ng	
						A project-oriented
						communication and signal
						processing design course
						involving a problem definition
						stage, an analysis and design
						stage, and a final
						implementation stage. Specific
						topics include project selection,
						planning and management,
			Wireless		Electrical	system specification, design
			Communicatio		Engineeri	reviews, written and oral reports,
Fall 2007	EE676	676	n II	EE	ng	4 and final system testing. 2 hours GR LE Lecture
					Electrical	
			Com/Sig Proc		Engineeri	
Fall 2007	EE676L	676L	Des Prj Lab	EE	ng	0 Required laboratory for EE 676. GR LB Lab
						(Also listed as MTH 656 and CEG
						678.) Introduction to the
						essentials of error-correcting
						codes, the study of methods for
						efficient and accurate transfer of
						information. Topics covered
					Electrical	include basic concepts, perfect
					Engineeri	and related codes, cyclic codes,
Fall 2007	EE678	678	Coding Theory	EE	ng	3 and BCH codes. GR LE Lecture
			<u> </u>		Electrical	
			Selected		Engineeri	
Fall 2007	EE680	680	Topics in EE	EE	ng	1 Topics and prerequisites vary. GR LE Lecture

						9	Special problems in advanced			
			Special		Electrical		engineering topics. Titles vary.			
			Problems in		Engineeri		May be taken for a letter grade			Independe
Fall 2007	EE699	699	EE	EE	ng	1	of pass/unsatisfactory.	GR	IS	nt Study
						;	Survey of available instructional			
						1	materials and discussion of			
						(educational theories and			
						1	techniques leading to more			
					Electrical	(effective instruction. For first-			
			Prin of		Engineeri	,	year graduate teaching			
Fall 2007	EE700	700	Instruct in Egr	EE	ng	3	assistants only. Graded	GR	LE	Lecture
							(Also listed as EGR 701 and BMS			
						-	705.) Signal representation,			
						(orthonormal bases, and			
						g	generalized Fourier series.			
							Description of linear, discrete,			
						i	and continuous systems.			
					Electrical	!	Systems analysis via classical			
			Linear		Engineeri	•	equations, convolution, and			
Fall 2007	EE701	701	Systems	EE	ng	4	ransform methods.	GR	LE	Lecture
						((Also listed as BMS 706.) State			
						,	variable representations of			
						(continuous and discrete systems.			
							inear vector spaces and			
						5	similarity transformations; eigen-			
						i	analysis, time and transform			
						(domain solutions of linear state			
					Electrical	•	equations; controllability,			
			Linear		Engineeri	(observability, and stability of			
Fall 2007	EE702	702	Systems II	EE	ng		inear systems.	GR	LE	Lecture
							Data acquisition and			
							quantization, unitary transforms,			
						(circular convolution, Hilbert			
						1	transform, FIR/IIR filter design			
							and realization, analysis of finite-			
					Electrical		precision numerical effects,			
			Digital Signal		Engineeri		spectral estimation, and			
Fall 2007	EE710	710	Processing	EE	ng	4 (Cepstrum analysis.	GR	LE	Lecture

Fall 2007	EE711	711	Multidim Dig Sig Process	EE	Electrical Engineeri ng	Topics of EE 710 extended to multidimensional systems and signals. Provides the theoretical and applied basis for analysis and synthesis of discrete systems and operations used in digital images, transducer arrays, and other multidimensional	GR	LE	Lecture
			Digital Image		Electrical Engineeri	Image representation, sampling/quantization, spatial/frequency concepts, image enhancement, color image theory, unitary image transforms, image data compression, image models, image coding, image restoration, feature extraction and description, and computer			Lecture
Fall 2007	EE715 EE716	715	Processing Kalman Filters & Estmtn	EE	ng Electrical Engineeri ng	Least square estimation, minimum mean square error estimation, maximum likelihood estimation, maximum a posteriori estimation, consistency testing, Kalman filters, extended Kalman filters, iterated extended Kalman filters, a-b-r filters, adaptive estimation, Monte Carlo 4 simulations and case studies.	GR GR	LE	Lecture

							Multisensor/data integration.			
							Sensor characteristics,			
							management, modeling, and			
							coordination. Statistical,			
							Bayesian and Fisher, weighted			
							least-square, dynamic distributed			
							and centralized, rule-based and			
							adaptive sensor fusion.			
							Demptster-Shafer technique.			
					Electrical		Fusion by Markov random fields.			
			Multisensor/D		Engineeri		Neural network and fuzzy logic			
Fall 2007	EE717	717	ata Fusion	EE	ng		applications.	GR	LE	Lecture
- un 2007		7.17	ata i usioni		ng .		Multitarget tracking and data	OI C		Ecotoro
							association. Linear and nonlinear			
							state estimation. Maneuvering			
							targets. Single target and			
							multitarget tracking in clutter.			
							Joint probabilistic data			
							association filter. Multiple			
					Electrical		hypothesis and distributed			
			Multitarget		Engineeri		multitarget tracking. Track-to-			
Fall 2007	EE718	718	Tracking	EE	ng		track fusion.	GR	LE	Lecture
		7.0			9		Analysis and design of digital			200100
							control systems using the state			
							approach, multirate digital			
					Electrical		control systems, and digital state			
			Advanced		Engineeri		observer and microprocessor			
Fall 2007	EE720	720	Digital Control	EE	ng		control.	GR	LE	Lecture
		, = 0	J.g.ta. co.t.c.		9	-	Calculus of variations for			
							continuous processes. Euler-			
							Lagrange equations and the use			
							of Lagranger multipliers;			
					Electrical		Pontryagin's maximum principle,			
			Princ Mod		Engineeri		Hamilton-Jacobi theory; and			
Fall 2007	EE725	725	Control Theory	EE	ng		application to control examples.	GR	LE	Lecture

			Modern Radar		Electrical Engineeri	Application of probability and random process to the performance characterization of range/doppler radar. Development of the concepts of resolution, S/N, ambiguity function, and pulse compression, and their applications to radar systems design. Consideration is also given to coherent imaging			
Fall 2007	EE733	733	Theory	EE	ng 4	radar. Wireless Generations (1G, 2G,	GR	LE	Lecture
					Electrical	and 3G) and Standards, Wireless LAN's (Bluetooth), the Cellular concept - channel allocation and hand-off strategies, capacity of Cellular systems - Cell Splitting, Sectoring, Trunking and Grade of Service. Matched Filters and basic detection Theory, Analog and Digital Modulation techniques used in commercial Wireless systems - FM, DPSK, QPSK, /4-QPSK, OPSK, MSK, GMSK, and OFDM. M-ary modulation, Multiple-access techniques, Path loss in wireless channels, Large Scale and Small Scale Path Loss - Rayleigh and Rician Fading; Multipath and Doppler, Computer simulation of digital communication techniques, Computer Simulation			
			Wireless Com		Engineeri	of fading channels. Prerequisite:			
Fall 2007	EE735	735	Techniques	EE	ng 4	EE 761 or equivalent.	GR	LE	Lecture

F. W. 0007			Advance Wireless Com		Electrical Engineeri	Fading Counteraction including ISI mitigation and Adaptive Equaliztion, Diversity, Coding and Interleaving for error correction, Speech Coding, Multiplexing and Multiple Access techniques including TDMA, FDMA, and CDMA; OFDM, CDMA, Wireless Networking, Packet Radio, Wireless LAN's including			
Fall 2007	EE736	736	Tech	EE	ng	4 Bluetooth. The principles of spread	GR	LE	Lecture
F. W. 0007			Dig Spread		Electrical Engineeri	spectrum systems are introduced emphasizing applications. Techniques of both direct sequence and frequency hopping systems will be emphasized. PN sequences, processing gain, interference rejection, multiple access, and navigation will be			
	EE737 EE738	737	Spectum Sys Communicatio n Networks	EE	ng Electrical Engineeri ng	4 discussed. Analysis and simulation of networks, including both LANs and WANs. Dependence of network throughput, latency, average delay, robustness on network protocol, routing, flow control, and traffic dynamics as modeled by queuing theory. Required design project based 4 on COMNETIII software.	GR GR	LE	Lecture

Fall 2007	EE740	740	Information Theory	EE	Electrical Engineeri ng	Development of communication channel model and use of information theory as means of quantifying that model. Investigation of various error correcting and detecting codes. The popular Viterbi coding 4 algorithm is also considered.	GR	LE	Lecture
			Power Semiconductor		Electrical Engineeri	General-purpose, fast-recovery, and Schottky diodes; performance parameters: power BJTs, MOSFETs, and MOSIFTs; static and dynamic characteristics, drivers, pulse transformers, and optocouples; thyristor characteristics, SGR, and GTO parameters; cooling, snubbers, voltage and current			
Fall 2007	EE741 EE742	741	Power Electronics II	EE	Electrical Engineeri	4 protection, and varistors. AC-to-DC converters, natural and forced thyristor commutations, controlled rectifiers, power factor improvements, static AC and DC switches, AC voltage controllers, output harmonic reduction, DC choppers, characteristics of DC-to-AC inverters, PWM and FM 4 control.		LE	Lecture

			Power		Electrical Engineeri	Power factor correction under nonlinear load conditions, harmonic reduction, utility line disturbances, uninterruptible power supplies, international standards on electromagnetic pollution, low-frequency inverters, residential and industrial applications of power electronics, and characteristics or electric energy storage components. Course includes an			
Fall 2007	EE743	743	Electronics III	EE	ng	4 independent project.	GR	LE	Lecture
Fall 2007	EE743L	743L	Power Elect	EE	Electrical Engineeri ng	0 Required laboratory for EE 743.	GR	LB	Lab
Fall 2007	EE746	746	EM Simul Meth I: FDTD	EE	Electrical Engineeri ng	Direct solution of Maxwell's differential equations in the time domain using the finite-difference time-domain (FTDT) method. Absorbing boundary conditions and waveguide or plane wave excitation methods. Application to the solution of problems relevant to radiation, radar cross section (or 4 scattering) and microwave circuit	GR	LE	Lecture
			EM Simul Methods II:		Electrical Engineeri	Wave equation and integral formulations for electromagnetic (EM) problems. Methods of moments (MoM) and its implementation. Application of one-and two-dimensional EM problems. Comparison with the			
Fall 2007	EE747	747	MoM	EE	ng	4 finite element method.	GR	LE	Lecture

			VLSI		Electrical	(Also listed as CEG 752.) CMOS VLSI subsystems including data path operators, counters, multipliers, memory elements, and programmable logic arrays. VLSI circuits for FIR and IIR filters. VLSI circuits for digital
			Subsystem		Engineeri	data exchange systems. 3 hours
Fall 2007	EE752	752	Design	EE	ng	4 lecture, 2 hours lab. GR LE Lectu
					Electrical Engineeri	
Fall 2007 Fall 2007	EE752L	752L 753	VLSI I Lab VLSI Synthesis/Opti	EE	Electrical Engineeri ng	O Required laboratory for EE 752. GR LB Lab (Also listed as CEG 753.) VLSI architectural-level synthesis and optimization including data path synthesis, control-units synthesis, scheduling, and resource sharing. Logic-level synthesis and optimization including two-level and multilevel combinational logic optimization, and sequential logic 4 optimization. 3 hours lecture, 2 GR LE Lecture.
1 dii 2007	LL733	755	VLSI	LL	Electrical	Optimization. 5 Hours rectard, 2 Or LE Lecte
Fall 2007	EE753L	753L	Synthes/Optim iz Lab	EE	Engineeri ng	0 Required laboratory for EE 753. GR LB Lab
			VLSI		Electrical	(Also listed as CEG 754.) Design for testability of VLSI circuits. Topics include importance of testing, conventional test methods, built-in test, CAD tools for evaluating testability, test
			Testing/Testa		Engineeri	pattern generators and
Fall 2007	EE754	754	bility	EE	ng	4 compressors. GR LE Lectu
			VLSI Test/Testabilit		Electrical Engineeri	
Fall 2007	EE754L	754L	y Lab	EE	ng	0 Required laboratory for EE 754. GR LB Lab

Fall 2007	EE756	756	Robotics I	EE	Electrical Engineeri ng	(Also listed as CEG 756 and ME 756.) Detailed study of the dynamics and control of robotic systems and robot programming languages and systems. Material covered includes rigid-body dynamics; linear, nonlinear, adaptive, and force control of manipulators; and robot 4 programming languages.	GR	LE	Lecture
1 411 2007	LL730	730	Robotics 1		Electrical	+ programming languages.	OK		Lecture
					Engineeri				
Fall 2007	EE756L	756L	Robotics Lab	EE	ng	0 Required laboratory for EE 756.	GR	LB	Lab
					Electrical Engineeri	An introduction to sensing, vision, and robot intelligence and task planning. Material covered includes sensors, low-level and higher level vision techniques, task planning including obstacle avoidance and artificial intelligence and expert systems			
Fall 2007	EE757	757	Robotics II	EE	ng	4 as applied to robotic systems.	GR	LE	Lecture
Fall 2007	EE757L	757L	Robotics II Lab	EE	Electrical Engineeri ng	O Required laboratory for EE 757. (Also listed as CEG 758.) Introduction to the techniques, limitations, and problems in the design of CMOS analog integrated circuits. Topics include	GR	LB	Lab
Fall 2007	EE758	758	CMOS Analog IC Design	EE	Electrical Engineeri ng	CMOS analog circuit modeling and device characterization, analog CMOS subcircuits, CMOS amplifiers, comparators, and CMOS Op Amps. 3 hours lecture, 4 2 hours lab.	GR	LE	Lecture

					Electrical				
			CMOS Analog		Engineeri				
Fall 2007	EE758L	758L	IC Des Lab	EE	ng	0 Required laboratory for EE 758.	GR	LB	Lab
						Introduction to the design of			
						Radio Frequency Integrated			
						Circuits using CMOS technology.			
						Topics include noise sources in			
						RF Integrated Circuits, low noise			Lecture/La
			CMOS Radio		Electrical	RF amplifiers, RF mixers, RF			b
			Freq Circ		Engineeri	oscillators and synthesizers and			Combinatio
Fall 2007	EE759	759	Design	EE	ng	4 phase lock loops.	GR	LL	n
						Probability and random variable,			
						distributions and density			
						functions, random processes,			
						strict-sense and wide-sense			
						stationarity, auto-correlation and			
						power spectral density,			
						ergodicity, response of linear			
					Electrical	systems with stochastic inputs,			
			Random		Engineeri	discrete linear models, and			
Fall 2007	EE761	761	Processes	EE	ng	4 Gaussian processes.	GR	LE	Lecture
						Binary detection with			
						single/multiple observations,			
						linear minimum mean-square			
						error filtering: Wiener and			
						Kalman filters, MLE and MAP			
						estimators, histogram, tests of			
					Electrical	hypotheses, regression analysis,			
			Detec, Est &		Engineeri	model-free and model-based			
Fall 2007	EE762	762	Opt Filt Thry	EE	ng	3 parameter estimation of random	GR	LE	Lecture

						Selected topics in current			
					Electrical	research and recent			
			Select Topics		Engineeri	developments in systems theory			
Fall 2007	EE880	880	in Sys EE	EE	ng	1 and engineering. Titles vary.	GR	LE	Lecture
			Special		Electrical	5 5			
			Problems in		Engineeri	Special problems in advanced			Independe
Fall 2007	EE890	890	EE	EE	ng	1 engineering topics. Titles vary.	GR	IS	nt Study
			PhD		Electrical	Research on the Ph.D.			
			Dissertation		Engineeri	dissertation topic. Graded			Independe
Fall 2007	EE898	898	Research	EE	ng	1 pass/unsatisfactory.	GR	IS	nt Study
					Electrical				
					Engineeri				Independe
Fall 2007	EE899	899	Thesis	EE	ng	1 Graded pass/unsatisfactory.	GR	IS	nt Study
						Origin of igneous and			
						metamorphic rocks. Lab: use of			
						thin sections and hand			
					Earth &	specimens for mineral			Lecture/La
			Igneous &		Environm	identification, rock structures,			b
			Metamorphic		ental	and classifications. Three hours			Combinatio
Fall 2007	EES318	318	Petrolog	EES	Sciences	4.5 lecture, three hours lab.	UG	LL	n
						Relationship of			
						physical/chemical/biotic			
						environments to			
						design/operation of systems and			
						procedures employed in			
						maintenance/promotion of			
						quality, healthful human			
					Earth &	environments. Emphasized:			
					Environm	food/dairy sanitation, solid			
			Gen Environ		ental	waste,		_	
Fall 2007	EES362	362	Health	EES	Sciences	4 institutional/housing/recreational	UG	LE	Lecture
						Covers the operation of			
						managing hazardous materials			
						and emergency response in the			
					Earth &	workplace or at spills or			
					Environm	hazardous waste sites. Satisfies			
			Hazardous		ental	OSHA training requirement No.			
Fall 2007	EES368	368	Waste	EES	Sciences	4 29 CFR 1910.120.	UG	LE	Lecture

					Refresher training covering			
					0			
					•			
				Farth &	·			
		Hazwner			.			
FFS370	370	•	FFS		-	LIG	l F	Lecture
LLSSTO	370	Kenesher	LLJ	301011003	9	00		Lociulo
				Farth &	·			
		Tonics Farth &			•			
FFS//01	401	•	FFS		3	LIG	IF	Lecture
LLJ401	701	LIIV JCI	LLJ		grade or pass/unsatisfactory.	00	LL	Lecture
					Literature survey and			
		Geonhysics			_			
FFS426	426		FFS		- - - - - - - - - -	LIG	SF	Seminar
LLJ420	720	Schilla	LLJ		i selected topics in geophysics.	00	JL	Scriiiiai
		Environmental						
FFS462	462		FFS		3	LIG	l F	Lecture
LLSTOZ	102	Толсоюду	LLJ	301011003		00		Lecture
						,		
				Farth &				
		Environ Law						
FFS468	468		FFS			UG	l F	Lecture
220100	100	TOT COTOTILISES		001011000	<u> </u>			2001410
				Farth &				
					•			
		Environmental						
FFS482	482		FFS		- C	UG	l F	Lecture
				1 2 3 3 3 3 3	. 0			
				Earth &				
					·			
		Environmental						Independe
EES482	482		EES	Sciences	2 field sampling.	UG	IS	nt Study
	EES401 EES426 EES462 EES468 EES482	EES401 401 EES426 426 EES462 462 EES468 468 EES482 482	EES401 401 Topics Earth & Env Sci Geophysics Seminar EES462 462 Environmental Toxicology EES468 468 For Scientists EES482 482 Environmental Field Meth Environmental Field Meth	EES370 370 Refresher EES Topics Earth & EES EES401 401 Env Sci EES Geophysics Seminar EES EES462 462 Environmental Toxicology EES EES468 468 For Scientists EES EES482 482 Environmental Field Meth EES Environmental Field Meth EES	EES370 370 Refresher EES Sciences Earth & Environm ental EES Sciences	the workplace or at spills or hazardous waste sites. Satisfies Senvironm ental EES370 370 Refresher EES Sciences 1 refresher training. EES370 370 Refresher EES Sciences 1 refresher training. Earth & Earth & Earth and Environm ental EES401 401 Environmental EES462 426 Seminar EES Sciences 1 grade or pass/unsatisfactory. Earth & Earth & Environm ental Environmental Sciences 1 selected topics in geophysics. Earth & Environmental EES Sciences 3 Geared to environmental sciences students, the course discusses applicable common law principles before focusing on the variety of environmental statutes, implementing ental EES468 468 for Scientists EES Sciences 2 field oriented course where students learn techniques of environmental EES482 482 Field Meth EES Sciences 2 field sampling. Environm Environmental EES Sciences 2 field sampling. Environmental EES Sciences 2 field sampling. Earth & Environmental EES Sciences 2 field sampling. Environmental EES482 482 Field Meth EES Sciences 2 field sampling. Environmental EES464 Earth & Environmental field investigation, such as drilling methods and environmental field investigation, such as drilling methods and environmental field investigation, such as drilling methods and environmental field investigation, such as drilling methods and environmental field investigation, such as drilling methods and environmental field investigation, such as drilling methods and environmental field investigation, such as drilling methods and environmental field investigation, such as drilling methods and environmental field investigation, such as drilling methods and environmental field investigation, such as drilling methods and environmental field investigation, such as drilling methods and environmental field investigation, such as drilling methods and environmental field investigation, such as drilling methods and environmental field investigation, ental environmental field investigation, such as drilling methods and environmental field investigation, ental environmental field investi	management of hazardous materials and energy response in the workplace or at spills or hazardous waste sites. Satisfies OSHA training requirement in 40 CFR 1910.120, the OSHA 8 hr. OSHA 8 hr. OSHA 8	management of hazardous materials and energy response in the workplace or at spills or hazardous waste sites. Satisfies OSHA training requirement in 40 CFR 1910.120, the OSHA 8 hr. EES370 370 Refresher EES Sciences 1 refresher training. UG LE Earth & Environm ental interest in the earth and environmental sciences. Topics of current interest in the earth and environmental sciences. Topics vary. May be taken for a letter 1 grade or pass/unsatisfactory. UG LE EES401 401 Env Sci EES Sciences 1 grade or pass/unsatisfactory. UG LE EES402 426 Seminar EES Sciences 1 selected topics in geophysics. UG SE Earth & Environm ental sciences students on selected topics in geophysics. UG SE Earth & Environm ental sciences students, the course discusses applicable common law principles before focusing on the variety of environmental statutes, implementing EES468 468 for Scientists EES Sciences 3 regulations and enforcement. UG LE EES482 482 Field Meth EES Sciences 2 field-oriented course where students learn techniques of environmental field investigation, such as drilling methods and Environm ental students learn techniques of environmental field investigation, such as drilling methods and such as drilling methods and ental such as drilling methods and

			Water &		Earth & Environm	This lecture and lab/field course provides an overview of major chemical/physical methods used for assessing the quality of aquatic systems, particularly freshwaters. Physicochemical processes and interactions			Lecture/La b
			Sedim Quality		ental	influencing aquatic biota and			Combinatio
Fall 2007	EES684	684	Assessmt	EES	Sciences	3 food webs are reviewed.	GR	LL	n
			Intr Mth for		Engineeri	Introduction to the use of differential and integral calculus with emphasis on engineering applications relevant to the fundamental courses in engineering and computer			
Fall 2007	EGR101	101	Egr Applics	EGR	ng	5 science.	UG	LE	Lecture
1 411 2007	LOKTOT	101	Intr Mth Egr	LOK	Engineeri	J Science.	00	LL	Lecture
Fall 2007	EGR101L	101L	Applics Lab	EGR	ng	0 Required laboratory for EGR 101.	UG	LB	Lab
			Intr Mth Egr		Engineeri				
Fall 2007	EGR101R	101R	Applics Rec	EGR	ng	0 Required recitation for EGR 101.	UG	RE	Recitation
			Intro Pract of		Engineeri	·			
Fall 2007	EGR130	130	Machining	EGR	ng	1	UG	LB	Lab
						Introduction to the use of digital computers with structured FORTRAN as the programming language. Algorithm development and engineering problem-solving techniques. Use			
			Fortran		Engineeri	of library subroutines and			
Fall 2007	EGR153	153	Programming	EGR	ng	4 graphical displays.	UG	LE	Lecture
			Fortran Programming		Engineeri				
Fall 2007	EGR153L	153L	Lab	EGR	ng	0 Required laboratory for EGR 153.	UG	LB	Lab

						Provides a practical exposure to			
						important applications and hands			
						on laboratory experience to give			
						students an introduction to			
						computer science and			
			Fundamentals		Engineeri	engineering. Teamwork and			
Fall 2007	EGR190	190	of EGR & CS	EGR	ng	4 problem solving are emphasized.	UG	LE	Lecture
			Fund of EGR &		Engineeri	3 1			
Fall 2007	EGR190L	190L	CS Lab	EGR	ng	0 Required laboratory for EGR 190.	UG	LB	Lab
			Writing in EGR		Engineeri	Required writing component for			
Fall 2007	EGR190W	190W	190	EGR	ng	0 EGR 190.	UG	LB	Lab
						Continuation of EGR 190.			
						Provides an introduction to			
						engineering practice and the			
						opportunity to examine different			
						engineering fields. Includes			
						freshman design experience			
						culminating in a team			
			Fund of		Engineeri	competition. May be taken for a			
Fall 2007	EGR191	191	Engineering II	EGR	ng	3 letter grade or	UG	LE	Lecture
			Explor EGR &		Engineeri				
Fall 2007	EGR191L	191L	Comp Sci Lab	EGR	ng	0 Required laboratory for EE 191.	UG	LB	Lab
						Topics may vary. May be taken			
			Special Topics		Engineeri	for letter grade or			
Fall 2007	EGR199	199	in Egr	EGR	ng	1 pass/unsatisfactory.	UG	LE	Lecture
			Special Topics		Engineeri				
Fall 2007	EGR199L	199L	in Egr Lab	EGR	ng	0 Required laboratory for EGR 199.	UG	LB	Lab

			T		_				
						A modular approach to oral and			
						written communication of			
						complex technical information to			
						an expert audience. Includes			
						describing technical mechanisms			
						and processes; designing and			
						using tables, graphs, charts, and			
						figures; producing technical			
						proposals, progress reports,			
						feasibility reports, and formal			
			Tech Comm		Engineeri	reports; and doing technical			
Fall 2007	EGR335	335	for EGR & CS	EGR	ng	3 briefings.	UG	LE	Lecture
			Writing in EGR		Engineeri	Required writing component for			
Fall 2007	EGR335W	335W	335	EGR	ng	0 EGR 335.	UG	LB	Lab
						A review of the fundamental			
						concepts covered in an			
						undergraduate engineering			
						curriculum to help students			
						prepare for the fundamentals of			
						engineering examination. Senior			
						standing in an engineering			
						program or graduation from an			
						engineering program required.			
						May be taken for			
			Engineering		Engineeri	?a letter grade or			
Fall 2007	EGR482	482	Fundamentals	EGR	ng	3 pass/unsatisfactory.	UG	LE	Lecture
						Special problems in advanced			
			Special			engineering. Topics vary. May be			
			Problems in		Engineeri	taken for letter grade or			
Fall 2007	EGR499	499	Egr	EGR	ng	1 pass/unsatisfactory.	UG	LE	Lecture

Fall 2007	EGR535	535	Tech Comm for EGR & CS	EGR	Engineeri ng	A modular approach to oral and written communication of complex technical information to an expert audience. Course includes describing technical mechanisms, processes designing, and using tables, graphs, charts, and figures; producing technical proposals, progress reports, feasibility reports, and formal reports; and doing technical briefings.	GR	LE	Lecture
			Special Problems in		Engineeri	Special problems in advanced engineering topics. Prerequisite: instructor approval. Graded			
Fall 2007	EGR699	699	Egr	EGR	ng	1 pass/unsatisfactory.	GR	LE	Lecture
Fall 2007	EGR700	700	Prin of Instruction Egr	EGR	Engineeri ng	3	GR	LE	Lecture
Fall 2007	EGR701	701	Linear Systems	EGR	Engineeri ng	(Also listed as EE 701 and BMS 705.) Signal representation, orthonormal bases, and generalized Fourier series. Description of linear, discrete, and continuous systems. Systems analysis via classical equations, convolution, and transform methods.	GR	LE	Lecture
raii 2007	EGR/UI	701	Systems	LGK	rig	Exposes students to the design	GK	LE	Lecture
Fall 2007	EGR702	702	Systems Engrg & Analysis	EGR	Engineeri ng	of systems and tools for the 4 analysis of complex technological	GR	LE	Lecture
			Computational		Engineeri	Course is designed to expose students to practical and efficient computational techniques that are routinely encountered in modeling, simulation, and			
Fall 2007	EGR703	703	•	EGR	ng	9	GR	LE	Lecture

Fall 2007 EGR704 704 Optimization EGR ng 4applications are emphasized. GR LE Lecture Introduction to planning and analysis of engineering experiments. Topics include basic statistics review, linear models, regression, analysis of variance, experiment designs, response surface methods, and engineering applications. GR LE Lecture Independing the problems in EGR ng 1 GR LE Lecture Independing Engineeri Fall 2007 EGR890 890 Egr EGR ng 1 Ph.D. seminar course required of all students seeking the Ph.D. in Engineering. Fall 2007 EGR899 899 Thesis EGR ng 1 Graded pass/unsatisfactory. GR SE Seminar Independing Engineeri Careers in Environm Environm Entleward Career options in Biology, Clinical Laboratory Science, Exercise Biology and Environmental							Composite of mainings and		T	
Fall 2007 EGR704 704 Optimization EGR ng land nonlinear programming; variational methods. Interdisciplinary engineering applications are emphasized. GR LE Lecture land analysis of experiments. Topics include basic statistics review, linear models, regression, analysis of variance, experiment designs, response surface methods, and Egr Experimnt EGR ng 4 engineering applications. GR LE Lecture land analysis of variance, experiment designs, response surface methods, and engineering applications. GR LE Lecture land engineering applications. GR LE Lecture land engineering applications. GR LE Lecture land engineering applications. GR LE Lecture land engineering applications. GR LE Lecture land engineering applications. GR LE Lecture land engineering applications. GR LE Lecture land engineering experiments engineering							Concepts of minima and			
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Fall 2007 EGR890 890 Egr EGR ng 1 GR LE Lecture Fall 2007 EGR891 891 PhD Seminar EGR ng 1 pass/unsatisfactory. Fall 2007 EGR899 899 Thesis EGR ng 1 Graded nt Study Fall 2007 EGR899 B99 Thesis EGR ng 1 Graded nt Study Fall 2007 EGR899 B99 Thesis EGR ng 1 Graded nt Students seeking the Ph.D. in Engineeri ng. Graded nt Students seeking the Ph.D. in Engineeri ng. Graded nt Students seeking the Ph.D. in Engineeri ng. Graded nt Students seeking the Ph.D. in Engineeri ng. Graded nt Students seeking the Ph.D. in Engineeri ng. Graded nt Students seeking the Ph.D. in Engineeri ng. Graded nt Students seeking the Ph.D. in Engineeri ng. Graded nass/unsatisfactory. Fall 2007 EGR899 B99 Thesis EGR ng 1 Graded pass/unsatisfactory. GR IS nt Study Provide students with an overview of the programs and career options in Biology, Clinical Laboratory Science, Exercise Biology and Environmental				Des&Anal of		Engineeri	response surface methods, and			
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Fall 2007 EGR890 890 Egr EGR ng 1 Ph.D. seminar course required of all students seeking the Ph.D. in Engineering. Graded pass/unsatisfactory. GR SE Seminar Course required of all students seeking the Ph.D. in Engineering. Graded pass/unsatisfactory. GR SE Seminar Independing Provide students with an overview of the programs and career options in Biology, Clinical Laboratory Science, Exercise Biology and Environmental				Special						
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Fall 2007 EGR891 891 PhD Seminar EGR ng 1 pass/unsatisfactory. GR SE Seminar Independent Engineeri Independent							Ph.D. seminar course required of			
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Provide students with an overview of the programs and career options in Biology, Clinical Careers in Environm Laboratory Science, Exercise EH,EXB,CL,BI ental Biology and Environmental						Engineeri				Independe
overview of the programs and career options in Biology, Clinical Careers in Environm Laboratory Science, Exercise EH,EXB,CL,BI ental Biology and Environmental	Fall 2007	EGR899	899	Thesis	EGR	ng		GR	IS	nt Study
Careers in Environm Laboratory Science, Exercise EH,EXB,CL,BI ental Biology and Environmental							Provide students with an			
Careers in Environm Laboratory Science, Exercise Biology and Environmental							overview of the programs and			
EH,EXB,CL,BI ental Biology and Environmental							career options in Biology, Clinical			
				Careers in		Environm	Laboratory Science, Exercise			
Fall 2007 EH194 194 O EH Health 1 Health Sciences. UG LE Lecture				EH,EXB,CL,BI		ental	Biology and Environmental			
	Fall 2007	EH194	194	0	EH	Health	1 Health Sciences.	UG	LE	Lecture

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						Examines the fundar	mentals of		
						solid, infectious, and	hazardous		
						waste management.	Topics		
						covered include regu	ılatory		
						history, regulatory p	rocesses,		
						environmental audits	S,		
						requirements for was	ste		
						generators, transpor	ters,		
					Environm	treatment/storage/d	isposal		
			Solid & Haz.		ental	facilities, and pollution	on		
Fall 2007	EH364	364	Waste Mgt.	EH	Health	3 prevention concepts		LE	Lecture
						One-quarter internsh			
						cooperating environr			
						public health agency			
						organization. Superv	•		
						faculty and profession			
						environmentalists. R	=		
						specific assignments			
						in cooperation with i	nternship		
					Environm	director. Graded			
			Environ Sci		ental	pass/unsatisfactory.			
Fall 2007	EH366	366	Internship	EH	Health	9 environmental health	n majors UG	IN	Internship
					Environm				
- II 0007	E1107711	0 (()) (Writing in EH		ental	Required writing con		. 5	
Fall 2007	EH366W	366W	366	EH	Health	0 EH 366.	UG	LB	Lab
						Advanced topics of o			
						interest in the enviro			
			Topics in		Environm	sciences. Topics vary			
F-II 2007	F11401	401	Environment	FII	ental	taken for a letter gra			Lastina
Fall 2007	EH401	401	Sc	EH	Health Environm	1 pass/unsatisfactory.	UG	LE	Lecture
			Writing in EU		ental	Doguirod writing con	anonant for		
Fall 2007	EH401W	401W	Writing in EH 401	EH	Health	Required writing con 0 EH 401.	ug	LB	Lab
rali 2007	EH4UIW	40177	40 I	ΕП	пеанн	U EF 401.	UG	LD	Lau

Fall 2007	EH431	431	Risk Assessment & Comm	EH	Environm ental Health	Studies the determination of quantitative risk to humans and the environment. Approaches currently used in regulatory activities are described, showing method of hazard identifi-cation, sampling, data evaluation, exposure assessment, toxicity assessment, and risk characterization. Minimum of two BIO courses and completion of 4 freshman chemistry required.	UG	LE	Lecture
			Risk		Environm ental	Designed as a follow-up course to EH 431. Studies of key components of risk assessments, will include pharmacokinetic modeling, environmental fate and transport modeling, low dose extrapolation, and risk			
Fall 2007	EH432 EH434	432	Assessment II Biological Safety	EH	Health Environm ental Health	6 communication. The basic principles and practices of biosafety are examined. This course teaches the identification, handling, and containment of potentially hazardous biological materials, including microorganisms and 2 recombinant DNA.	UG	LE	Lecture
Fall 2007	EH451	451	Env Manag & Risk Comm	EH	Environm ental Health	Enlarges students' environmental perspectives by focusing on management issues as they relate to air, water, and land resources, including ethics, policy, and economics, as well as questions relating to specific 6 resources.	UG	LE	Lecture

							Lecture/seminar course covering			
							principles of wildlife, fisheries,			
							and forestry management.			
							Major topics include basic			
							ecological principles, population			
					Environm		dynamics and analysis, habitat			
			Natural		ental		assessment, and ecosystem and			
Fall 2007	EH453	453		FII	Health	2	people management.	UG	LE	Lecture
Fall 2007	ЕП433	455	Resources Mgt E	ΕП	пеанн	3		UG	LC	Lecture
							Intended for persons having			
							management responsibility for			
							occupational safety and health;			
							this course provides practical			
							application of the theories of			
					Environm		safety and health law, and			
			OSHA		ental		suggestions for their real world			
Fall 2007	EH454	454	Compliance E	EH	Health	1	application.	UG	LE	Lecture
							Environmental internship			
							experiences are presented and			
							discussed, followed by group			
							projects to evaluate current and			
							near future career opportnities			
					Environm		within the environmental health			
			Environ Intern		ental		science field. For Environmental			
Fall 2007	EH461	461	& Career E	EH	Health	2	Health Science majors only.	UG	LE	Lecture
							Communicable and occupational			
							diseases of contemporary			
							importance; includes			
			Epidem &		Environm		epidemiological investigation,			
			Community		ental		environmental considerations,			
Fall 2007	EH462	462	Hlth	EH	Health	3	and control procedures.	UG	LE	Lecture
							Introduction to accident			
							recognition, evaluation, and			
							control in the work environment.			
					Environm		Emphasis on methods of hazard			
			Fund Occup		ental		recognition and control			
Fall 2007	EH466	466	•	EH	Health	3	management.	UG	LE	Lecture

							Introduction to accident			
							recognition, evaluation, and			
							control in the work environment			
							by hands-on equipment use.			
					Environm		Methods of inspection, accident			
			Fund Occup		ental		investigation, and evaluation of			
Fall 2007	EH467	467	Hlth/Sfty Lab	EH	Health	1	accident programs are stressed.	UG	LB	Lab
							Introduction to industrial			
					Environm		hygiene. Emphasis on routes of			
			Adv Occup		ental		entry into the human body and			
Fall 2007	EH468	468	Hlth & Safety	EH	Health	6	physiological effects of industrial	UG	LE	Lecture
							Designed to provide a broad			
							overview of the science of air			
							quality and its management:			
							includes atmospheric pollutants,			
							dispersion, health and welfare			
					Environm		effects, air-quality monitoring,			
			Air Quality		ental		source control, regulation, and			
Fall 2007	EH472	472	Management	EH	Health	3	indoor air pollution.	UG	LE	Lecture
							Students will gain a better			
							understanding of the			
							controversies surrounding many			
							current environmental issues,			
					Environm		while also enhancing their library			
			Environ Issues		ental		research, presentation, and			
Fall 2007	EH492	492	Seminar	EH	Health	2	advocacy skills.	UG	SE	Seminar
							Course allows students			
			Special		Environm		opportunity to perform research			
			Problems in		ental		in environmental health science			Independe
Fall 2007	EH499	499	EH	EH	Health	1	topics.	UG	IS	nt Study
			Student		Emergenc					
			Initiated		У					
Fall 2007	EMD600	600	Elective	EMD	Medicine	2		MD	LE	Lecture
					Emergenc					
					У					
Fall 2007	EMD601	601	Critical Case	EMD	Medicine	2		MD	CL	Clinical

			Emergency		Emergenc					
			Med		у					
Fall 2007	EMD602	602	Preceptorship	EMD	Medicine	2		MD	LE	Lecture
			Student-		Emergenc					
			Initiated		у					
Fall 2007	EMD800	800	Elective	EMD	Medicine	4		MD	Н	Hospital
					Emergenc					
					у					
Fall 2007	EMD801	801	Critical Care	EMD	Medicine	8		MD	CL	Clinical
					Emergenc					
			Emergency		у					
Fall 2007	EMD806	806	Medicine	EMD	Medicine	8		MD	CL	Clinical
			Emergency		Emergenc					
			Medicine		у					
Fall 2007	EMD891	891	Clerkship	EMD	Medicine	8		MD	CL	Clinical
					Emergenc					
					у					
Fall 2007	EMD900	900	Extramural	EMD	Medicine	4		MD	Н	Hospital
							Introduction to effective			
							communication skills for the			
							classroom, emphasizing oral			
							proficiency, teaching skills, and			
							culture of the American			
							classroom. Placement based on			
			Classroom				performance on the Wright State			
			Communicatio				Oral Proficiency test for			
Fall 2007	ENG095	095	n	ENG	English	3	International Teaching	UG	LE	Lecture
							Introduces students to principles			
							of effective written			
							communication and critical			
							reading. Stresses invention,			
							drafting, revising, editing, and			
			Acad Writing				self-assessment, along with			
Fall 2007	ENG101	101	and Reading	ENG	English	4	effective critiquing and	UG	LE	Lecture

						Adapts principles introduced in			
						ENG 101 to typical university			
						writing tasks. Stresses writing			
						effectively within various			
						contexts, reading critically, and			
						using source materials effectively			
			Writing Acad			in argumentative and research			
Fall 2007	ENG102	102	Discourse	ENG	English	4 writing.	UG	LE	Lecture
					3 '	Basic course in spoken English,			
						both production and			
						comprehension. May be			
						repeated. Open only to non-			
Fall 2007	ENG110	110	ESL: Speaking	ENG	English	4 native speakers of English.	UG	LE	Lecture
						Basic course in written			
						communication, with an			
						emphasis on sentence structure.			
			ESL: Basic			Open to non-native speakers of			
Fall 2007	ENG111	111	Writing	ENG	English	4 English only.	UG	LE	Lecture
						Course in written communication			
						with an emphasis on			
						grammatical structures,			
			ESL: Advanced			organizational skills, and topic			
Fall 2007	ENG112	112	Writing	ENG	English	4 development. For non-native	UG	LE	Lecture
						Readings in literature dealing			
						with a single theme or a specific			
						problem; for example, crisis and			
						confrontation in American			
						literature, the images of the hero			
						in literature, the supernatural			
			Issues and			and occult in literature, and sex			
Fall 2007	ENG190	190	Ideas in Lit	ENG	English	3 and censorship in literature.	UG	LE	Lecture
						Problems, approaches, and			
						topics in the fields of English.			
			Topics in			Topics vary. May be taken for			
Fall 2007	ENG199	199	English	ENG	English	1 letter grade or	UG	LE	Lecture

							Readings in American and British			
							fiction, poetry, and drama of the			
							present and the recent past; for			
							example, American novel since			
							1945, literature of the absurd,			
			Contemporary				protest literature, and			
Fall 2007	ENG201	201	Literature	ENG	English	3	contemporary poetry.	UG	LE	Lecture
							Readings in British and American			
							literature; for example,			
							Shakespeare, American			
			The Literary				masterpieces, British novel, and			
Fall 2007	ENG202	202	Tradition	ENG	English	3	readings in biography.	UG	LE	Lecture
							Readings in world literature; for			
							example, the literature of Africa,			
			World				the international best seller, and			
Fall 2007	ENG203	203	Literature	ENG	English	3	the hero in world myth.	UG	LE	Lecture
							Introduction to interpreting			
							literature, using works from			
							various periods and cultures,			
							viewed in their social and			
			Great Books:				historical contexts and read for			
Fall 2007	ENG204	204	Literature	ENG	English	4	their enduring interest.	UG	LE	Lecture
			Writing in ENG				Required writing component for			
Fall 2007	ENG204W	204W	204	ENG	English	0	ENG 204.	UG	LB	Lab
							Readings in African American			
							literature: for example, Phyllis			
							Wheatley to the present,			
							nineteenth-century freedom			
							literature, twentieth-century			
			Afro-American				black novel, and the female			
Fall 2007	ENG205	205	Literature	ENG	English	4	African-American tradition. Titles	UG	LE	Lecture
							Poetry as a type of literature			
							together with an introduction to			
							various approaches to the			
Fall 2007	ENG210	210	Intro to Poetry	ENG	English	3	enjoyment of poetry.	UG	LE	Lecture

							Introduction to the reading of			
							prose fiction including a study of			
							the elements of fiction, various			
							forms and modes of fiction, and			
Fall 2007	ENG211	211	Intro to Fiction	ENG	English	3	the enjoyment of fiction.	UG	LE	Lecture
							Introduction to the study and			
							analysis of drama including			
			Introduction				differences among plays of			
Fall 2007	ENG212	212	to Drama	ENG	English	3	different periods.	UG	LE	Lecture
							Improvement of writing skills			
							with special attention to			
			Intermediate				individual writing weaknesses.			
Fall 2007	ENG240	240	Composition	ENG	English	3	Includes a review of basic writing	UG	LE	Lecture
							(Also listed as COM 256.)			
							Introduction to writing for the			
							media. Structure and			
			Basic Media				organization of media copy.			
Fall 2007	ENG257	257	Writing	ENG	English	4	Course requires reporting in the	UG	LE	Lecture
			Writing in ENG				Required writing component for			
Fall 2007	ENG257W	257W	257	ENG	English	0	ENG 257.	UG	LB	Lab
			Intro to							
			Creative							
Fall 2007	ENG291	291	Writing	ENG	English	3		UG	LE	Lecture
							Introduction to the discipline of			
							English, with a focus on the			
			Literary Study				study of poetry and the writing			
Fall 2007	ENG300	300	1	ENG	English	4	of critical papers on literary	UG	LE	Lecture
			Writing in ENG				Required writing component for			
Fall 2007	ENG300W	300W	300	ENG	English	0	ENG 300.	UG	LB	Lab
							Introduction to the discipline of			
							English, with a focus on the			
			Literary Study				study of narrative and the			
Fall 2007	ENG301	301	11	ENG	English	4	techniques of literary analysis	UG	LE	Lecture
			Writing in ENG				Required writing comonent for			
Fall 2007	ENG301W		301	ENG	English	0	ENG 301.	UG	LB	Lab
Fall 2007	ENG302	302	Poetry Writing	ENG	English	4		UG	LE	Lecture

							Introduction to alamanta and			
							Introduction to elements and			
							techniques of the craft of writing			
							short stories, including reading,			
							analysis, and group discussion of			
							published and student-written			
			Bgn Short				stories. May be repeated once			
Fall 2007	ENG303	303	Story Writing	ENG	English	4	for a total of 8 hours.	UG	LE	Lecture
							(Also listed as TH 304.) Theory			
							and practice of techniques of			
			Dramatic				dramatic writing emphasizing			
Fall 2007	ENG304	304	Writing	ENG	English	4	writing of original plays.	UG	LE	Lecture
			Studies in							
Fall 2007	ENG310	310	African Lit	ENG	English	4		UG	LE	Lecture
							Written business and			
							organizational communication;			
							attention to various forms			
			Business				including short reports and			
Fall 2007	ENG330	330	Writing	ENG	English	4	informal oral presentations.	UG	LE	Lecture
			Fund of				Survey of the fundamental			
			Technical				principles and skills used in			
Fall 2007	ENG333	333	Writing	ENG	English	4	scientific and technical writing.	UG	LE	Lecture
			9		g		Systematic methods of			
							examining the sound system and			
							sentence structure of English,			
							with applications of language			
			English for				acquisition and variation related			
Fall 2007	ENG340	340	Teachers	ENG	English	4	to the elementary classroom.	UG	LE	Lecture
1 411 2007	LIVOSTO	340	reactions	LIVO	Liigiisii		Combines study and pedagogy of		LL	Lecture
							composition for education majors			
							specializing in grades 4-12.			
							Emphasis is placed on writing as			
			Adv. Comp. for							
Eall 2007	ENC241	241	Adv Comp for	ENC	English	1	a process and on improving	UG	LE	Loctura
Fall 2007	ENG341	341	Teachers	ENG	English	4	writing skills.	UG	LC	Lecture
			A al a . a				Emphasis on sophisticated			
F-II 0007	EN 00 40	2.42	Advanced	ENIC	For all als		techniques of expository writing	110		1 4
Fall 2007	ENG343	343	Composition	ENG	English	4	and the refinement of style.	UG	LE	Lecture

							Instruction in organizing,			
							documenting, and writing of			
							research papers. Research			
							projects based not only on			
							primary and secondary sources			
			Doooorah							
F - II 0007	ENICO 4.4	244	Research	ENIC	En all'ala		but also on experiment and			1 1
Fall 2007	ENG344	344	Writing	ENG	English	4	investigation.	UG	LE	Lecture
- II 0007	-NO04414	0.4.014	Writing in ENG	ENIO					. 5	
Fall 2007	ENG344W	344W	344	ENG	English	0		UG	LB	Lab
							Introduction to the teaching of			
							writing in middle and high school			
							language arts and English			
							classes. Students will participate			
							in writing workshop activities and			
			Writing				study underlying principles of			
Fall 2007	ENG345	345	Workshop	ENG	English	4	workshop instruction.	UG	LE	Lecture
			·		9		Introduction to direct reading			
							instruction and workshop			
							methodology through the			
							modeling of teaching strategies.			
							Topics include classroom			
							organization and planning,			
							journals, questioning strategies,			
			Reading				skills and literary minilessons,			
Fall 2007	ENG346	346	Workshop	ENG	English	1	and response projects.	UG	LE	Looturo
Fall 2007	ENG340	340	vvorksnop	ENG	English	4		UG	LE	Lecture
							Introduction to computer			
							applications for a variety of both			
							print and online publications,			
			Desktop Pub			_	including page design and			
Fall 2007	ENG347	347	for ILA	ENG	English	4	layout, writing and editing.	UG	LE	Lecture
							Representative works from major			
							periods of British and American			
							Literature, read with attention to			
			British/Amer				their historical background and			
Fall 2007	ENG350	350	Lit Hist	ENG	English	4	cultural contexts.	UG	LE	Lecture
			Brit				Representative works of major			
			Txt:Mediev-				English writers of the medieval			
Fall 2007	ENG351	351	17th C	ENG	English	4	period and the 16th century.	UG	LE	Lecture

			Brit Txt: 17th-			Representative works of major British writers of the 17th and			
Fall 2007	ENG352	352	18th Cent	ENG	English	4 18th centuries.	UG	LE	Lecture
			Brit Texts:			Representative works of major			
Fall 2007	ENG353	353	19th Cent	ENG	English	4 romantic and victorian writers.	UG	LE	Lecture
						Representative works of major			
			Brit Texts:			English writers of the modern			
Fall 2007	ENG354	354	20th Century	ENG	English	4 period.	UG	LE	Lecture
			Amer			Representative works of major			
			Txt:Earlier			American writers before the Civil			
Fall 2007	ENG355	355	19th C	ENG	English	4 War.	UG	LE	Lecture
						Representative works of major			
			Amer Txt:			American writers from the Civil			
Fall 2007	ENG356	356	Later 19th C	ENG	English	4 War to World War I.	UG	LE	Lecture
						Representative works of major			
			Amer Txts:			American writers since the			
Fall 2007	ENG357	357	20th Cent	ENG	English	4 twenties.	UG	LE	Lecture
						Representative works of major			
			Post-Colonial			anglophone writers from around			
Fall 2007	ENG359	359	Texts	ENG	English	4 the world.	UG	LE	Lecture
						(Also listed as COM 364.)			
						Introduces basic principles of			
						graphics communication,			
						primarily as applied to print			
						media. Includes the history and			
						basic concepts of graphics			
E !! 0007	EN 00 / 4	0.4.4	Communicatio	EN 10		communication, typography,			
Fall 2007	ENG364	364	n Graphics	ENG	English	4 photo editing, and graphic	UG	LE	Lecture
						(Also listed as COM 366.)			
						Advanced study of writing skills,			
						practices, and procedures used			
						in reporting news for mass			
						media. Actual reporting in the			
			A along a significant			field is required. News writing			
E 11 0007	EN CO (/	0.4.4	Advanced	ENIO		skills introduced in COM 256 are			
Fall 2007	ENG366	366	News Writing	ENG	English	4 further refined.	UG	LE	Lecture

F. II 0007	5NO.05		Adolescent	5NO			Introduction to various types of literature written for young adults. Reading and analysis of adolescent books with an emphasis on their selection and use in the secondary language			
Fall 2007	ENG385	385	Literature	ENG	English	4	arts classroom. Read and discuss plays by	UG	LE	Lecture
			Tching				Shakespeare in the context of his times and with attention to teaching Shakespeare in high school. Topics include			
			Shakespeare				Shakespeare's texts and their			
Fall 2007	ENG386	386	Perf	ENG	English	4	performance in film and theatre.	UG	LE	Lecture
			Writing in ENG							
Fall 2007	ENG386W	386W	386	ENG	English	0		UG	LB	Lab
Fall 2007	ENG392	392	Poetry Writing Workshop	ENG	English	4	Intermediate practice in writing and revising poems, refining craft and style, with the aim of producing poetry of superior merit; group discussion of manuscripts; and reading and discussion of modern poetry and poetics. May be repeated twice for credit.	UG	LE	Lecture
rali 2007	ENG392	342	Fiction Writing	EING	English	4	Intermediate study and practice of the art and craft of writing fiction, focusing on the elements of fiction and on improving students' narrative skills.	UG	LE	Lecture
Fall 2007	ENG393	393	Workshop	ENG	English	4	May be repeated once for credit.	UG	LE	Lecture
			Studies in				Problems, approaches, and			
Fall 2007	ENG399	399	Selected Subj	ENG	English	1	topics in the field of English.	UG	LE	Lecture
Fall 2007	ENG400	400	Top in Comp & Prof Writing	ENG	English	4	Courses, seminars, or workshops in specialized topics relating to writing with computers.	UG	LE	Lecture
			Writing in ENG				Required writing component for			
Fall 2007	ENG400W	400W	400	ENG	English	0	ENG 400.	UG	LB	Lab

					Instruction and experience in			
					editing technical and professional			
					documents, including both print			
					and online publications. Covers			
		Professional			types of editing, the production			
Fall 2007	ENG402 402		ENG	English	4 process and issues in editing.	UG	LE	Lecture
1 dii 2007	2140 102	Laiting	LIVO	Liigiisii	Short courses, seminars, or	00		Locture
					workshops in specialized topics			
		Short Topic			relating to business, technical,			
Fall 2007	ENG404 404	· ·	ENG	English	1 and professional writing.	UG	LE	Lecture
1 dii 2007	2.10.10.1	Troi Willing	2.10	Liigiioii	Courses, seminars, or workshops			Lootaro
					in specialized topics relating to			
		Top Tech and			business, technical, and			
Fall 2007	ENG405 405	•	ENG	English	1 professional writing.	UG	LE	Lecture
		Writing in ENG			Required writing component for			
Fall 2007	ENG405W 405		ENG	English	0 ENG 405.	UG	LB	Lab
					Intensive study of British literary			
					history and/or the work of			
					individual British writers.			
					Intended to develop an			
					understanding of literature within			
					the contexts of the author's life,			
		Studies in			literary production, and historical			
Fall 2007	ENG410 410	British Lit	ENG	English	4 background.	UG	LE	Lecture
		Writing in ENG			Required writing component for			
Fall 2007	ENG410W 410	W 410	ENG	English	0 ENG 410.	UG	LB	Lab
		Studies in						
Fall 2007	ENG420 420	American Lit	ENG	English	4	UG	LE	Lecture
		Writing in ENG			Required writing component for			
Fall 2007	ENG420W 420	W 420	ENG	English	0 ENG 420.	UG	LB	Lab
					Intensive study of literature from			
					the perspectives of gender			
					theory. Intended to develop an			
					under-standing of gender and			
		Lit, Gender &			sexuality as important both to			
Fall 2007	ENG430 430	,	ENG	English	4 literature and to its critical	UG	LE	Lecture
		Writing in ENG						
Fall 2007	ENG430W 430	W 430	ENG	English	0	UG	LB	Lab

							Intensive study of literature from			
							different regions of America or			
							reflecting the experiences of			
							different ethnic groups. Intended			
							to develop an understanding of			
							race, region, and ethnicity as			
			Ethnic &				important both to literature and			
Fall 2007	ENG440	440	Regional Lit	ENG	English	4	to its critical appreciation.	UG	LE	Lecture
2007			Writing in ENG				то не отност срргозисти			200100
Fall 2007	ENG440W	440W	440	ENG	English	0		UG	LB	Lab
						_	Intensive study of literary theory			
			Study in				in order to develop an			
			Literary				understanding of critical			
Fall 2007	ENG450	450	Theory	ENG	English	4	questions and approaches.	UG	LE	Lecture
			,				(Also listed as COM 454.)			
			Feature Story				Finding, writing, polishing, and			
Fall 2007	ENG454	454	Writing	ENG	English	4	marketing feature material.	UG	LE	Lecture
			Writing in							
Fall 2007	ENG454W	454W	English 454	ENG	English	0		UG	LB	Lab
							(Also listed as COM 458.) Editing			
							of copy for mass media with			
							emphasis on newspaper format,			
			Editing for the				headline writing, rewriting, and			
Fall 2007	ENG458	458	Media	ENG	English	4	general copy desk.	UG	LE	Lecture
			Writing in							
Fall 2007	ENG458W	458W	Englist 458	ENG	English	0		UG	LB	Lab
							Intensive study of literary genres			
							(e.g., poetry, the novel, satire)			
							or of literary themes. Intended			
			Literary				to develop an understanding of			
			Genres &				formal and structural aspects of			
Fall 2007	ENG460	460	Themes	ENG	English	4	literature.	UG	LE	Lecture
			Writing in ENG				Required writing component for			
Fall 2007	ENG460W	460W	460	ENG	English	0	ENG 460.	UG	LB	Lab
							Intensive study of non-European			
							literature, focused nationally,			
			Studies in				regionally, cross-culturally,			
Fall 2007	ENG470	470	World Lit	ENG	English	4	thematically, and generically.	UG	LE	Lecture

			Writing in ENG			Required writing component for			
Fall 2007	ENG470W	470W	470	ENG	English	0 ENG 470.	UG	LB	Lab
						Identifies the diverse needs of			
						students learning English as a			
						foreign language and the most			
						effective curriculum			
			TEFL			development, resources, and			
			Practices/Mate			teaching tecnhiques to address			
Fall 2007	ENG474	474	rials	ENG	English	4 these needs.	UG	LE	Lecture
						Builds awareness of cultural			
						similarities and differences and			
						addresses the impact of cultural			
						and personal variables on			
						English language learning.			
			TEFL Theory &			Provides techniques for			
Fall 2007	ENG475	475	Culture	ENG	English	4 integrating culture into the EFL	UG	LE	Lecture
						Intensive study of selected			
						special topics or problems to			
						meet the particular needs of			
Fall 2007	ENG477	477	Workshop	ENG	English	1 participating students. Titles	UG	LE	Lecture
						Presents a survey of the			
						scientific study of language and			
						focuses on describing and			
						explaining languages in their			
						natural environment. Includes			
						phonetics, phonology,			
			Intro to			morphology, syntax, semantics,			
Fall 2007	ENG478	478	Linguistics	ENG	English	4 pragmatics, and sociolinguistics.	UG	LE	Lecture
						Study of the ancestry and early			
						growth of the English language,			
						the history of English sounds and			
						inflections, the development of			
						the English vocabulary, and			
						variations in pronunciation and			
			History of			usage in modern British and			
Fall 2007	ENG479	479	English Lang	ENG	English	4 American English.	UG	LE	Lecture

Fall 2007	ENG480	480	Language & Literacy	ENG	English	Intensive study of linguistic and/or rhetorical approaches to language. Intended to develop an understanding of language history, structure, theory, 4 pedagogy, and context.	UG	LE	Lecture
Fall 2007	ENG480W	480\//	Writing in ENG 480	ENG	English	0	UG	LB	Lab
Fall 2007	ENG481	481		ENG	English	Presents a theoretical foundation for the study of second language acquisition, including first language acquisition, interlanguage, contrastive analysis, error analysis, language universals, communicative competence, and learning		LE	Lecture
rali 2007	LING401	401	TESOL	LING	Erigiisti	Develops linguistic analysis skills to help students recognize, analyze, and remediate written and spoken grammatical errors in ESL/EFL instructional contexts. Also focuses on pedagogical aspects of grammar instruction	od	LE	Lecture
Fall 2007	ENG482	482	Grammar Sociolinguistic	ENG	English	4 to nonnative speakers of English. Examines the sociology of language, the ethnography of speaking, the variation in language structures, the social varieties of English, with their political and educational implications, and the relationship of these to second language	UG	LE	Lecture
Fall 2007	ENG483	483	s	ENG	English	4 acquisition.	UG	LE	Lecture

						Davalana akilla in daaigning			
						Develops skills in designing			
						curricula through creating and			
						adapting appropriate materials			
						and activities, as well as			
						evaluating and effectively using			
						existing methodologies and			
			TESOL Pract.			materials available to the teacher			
Fall 2007	ENG484 4	84	& Materials	ENG	English	4 of ESL/EFL.	UG	LE	Lecture
			Writing in ENG						
Fall 2007	ENG484W 4	84W	484	ENG	English	0	UG	LB	Lab
						(Also listed as ED 420.) Focus on			
						theoretical issues and practical			
						problems of teaching English at			
						all levels, including the teaching			
						of writing and teaching of			
			Studies in Eng			English to speakers of other			
Fall 2007	ENG485 4	85	Education	ENG	English	2 languages (TESOL).	UG	LE	Lecture
						Study of the integration and			
						pedagogy of reading, writing,			
						listening, speaking, viewing, and			
						visually representing. Emphasis			
						on responding to literature and			
			Integrated			introduction to interdisciplinary			
Fall 2007	ENG486 4	86	Language Arts	ENG	English	4 and thematic units.	UG	LE	Lecture
			Writing in ENG						
Fall 2007	ENG486W 4	86W	486	ENG	English	0	UG	LB	Lab
						Investigates key concepts and			
						underlying theories in the field of			
						language assessment. Looks at			
						purposes and types of			
						assessment with a focus on the			
						development and use of			
			TESOL			authentic assessment for English			
Fall 2007	ENG487 4	87	Assessment	ENG	English	4 language learners.	UG	LE	Lecture

						F FCIII' ' 'I'			
						Foceses on ESL education in the			
						U.S. and Ohio. Examines			
						historical and legal precedents.			
						Emphasizes components			
						necessary for successful			
						programs, including curricula,			
			TESOL in Pre-			assessment, classroom			
Fall 2007	ENG488	488	K-12 Class	ENG	English	4 dynamics, and parental	UG	LE	Lecture
						Intensive study and discussion of			
						a significant writer or work.			
						Students will conduct a quarter-			
						long research project culminating			
						in a seminar paper; students will			
			Sr Seminar in			also prepare a portfolio of their			
Fall 2007	ENG490	490	Literature	ENG	English	4 undergraduate work. Titles vary.	UG	LE	Lecture
						Supervised reading in special			
						areas of American, English, or			
						world literature in translation,			
						and English language and			
						linguistics not available through			
						course structure. Limited to			
			Directed			senior English majors with a 3.0			Independe
Fall 2007	ENG491	491	Reading	ENG	English	1 cumulative average.	UG	IS	nt Study
						Advanced students work closely			
						with instructor on writing and			
						revision, leading to the creation			
						of professional and publishable			
						poetry. Reading and discussion			
			Poetry Writing			of contemporary poetry and			
Fall 2007	ENG492	492	Seminar	ENG	English	4 poetics. May be repeated twice	UG	SE	Seminar
			Writing in ENG		_	Required writing component for			
Fall 2007	ENG492W	492W	492	ENG	English	0 ENG 492.	UG	LB	Lab

Fall 2007	ENG493	493	Fiction Writing Sem	ENG	English	4	Advanced study and practice of the techniques and forms of fiction, with emphasis on producing fiction of professional and publishable quality. Includes instruction on publication strategies. May be repeated once for credit.	UG	SE	Seminar
Fall 2007	ENG493W	40214	Writing in ENG 493	ENG	English	0		UG	LB	Lab
1 all 2007	LIVO473W	47300	Studies Creative	LIVO	Liigiisii		Specialized courses in genres, modes, styles, practices, creative processes, and the craft of fiction, creative non-fiction, poetry, or playwriting.	00	LD	Lab
Fall 2007	ENG494	494	Writing	ENG	English	4		UG	LE	Lecture
							Practical work experience performing writing-related tasks in cooperation with local business, professional, and service organizations. Performance is supervised and evaluated by the director of writing programs. Graded			
Fall 2007	ENG495	495	Internship	ENG	English	4	pass/unsatisfactory.	UG	IN	Internship
Fall 2007	ENG498	498	English Honors Tutorial English	ENG	English	2	Two-quarter sequence for senior English majors who are doing an English honors project. Two-quarter sequence for senior	UG	IS	Independe nt Study
			Honors				English majors who are doing an			Independe
Fall 2007	ENG499	499	Tutorial	ENG	English	2	English honors project. Written business and organizational communication;	UG	IS	nt Study
							attention to various forms			
			Business			_	including short reports and			
Fall 2007	ENG530	530	Writing	ENG	English	4	informal oral presentations.	GR	LE	Lecture

			Fund of				Survey of the fundamental			
			Technical				principles and skills used in			
Fall 2007	ENG533	533	Writing	ENG	English	4	scientific and technical writing.	GR	LE	Lecture
							Emphasis on sophisticated			
			Advanced				techniques of expository writing			
Fall 2007	ENG543	543	Composition	ENG	English	4	and the refinement of style.	GR	LE	Lecture
							Instruction in organization,			
							documentation, and writing of			
							research papers. Research			
							projects based not only on			
							primary and secondary sources			
			Research				but also on experiment and			
Fall 2007	ENG544	544	Writing	ENG	English	4	investigation.	GR	LE	Lecture
							Introduction to computer			
							applications for a variety of both			
							print and online publications,			
			Desktop Pub				including page design and			
Fall 2007	ENG547	547	for ILA	ENG	English	4	layout, writing and editing.	GR	LE	Lecture
			Studies in				Course of variable content			
			Selected				dealing with problems,			
Fall 2007	ENG599	599	Subjects	ENG	English	1	approaches and topics in the	GR	LE	Lecture
							Courses, seminars, or workshops			
			Top in comp &				in specialized topics relating to			
Fall 2007	ENG600	600	Prof Writ	ENG	English	4	writing with computers.	GR	LE	Lecture
							Instruction and experience in			
							editing technical and professional			
							documents, including both print			
							and online publicatons. Covers			
E !! 0007	EN 0 / 00		Professional	-N.O			types of editing, the production	0.5	. –	
Fall 2007	ENG602	602	Editing	ENG	English	4	process and issues in editing.	GR	LE	Lecture
							Short courses, seminars, or			
							workshops in specialized topics			
F 11 000=	ENIC (C)		Short Topic	ENIC		_	relating to business, technical	0.0		
Fall 2007	ENG604	604	Prof Writing	ENG	English	1	and professional writing.	GR	LE	Lecture
							Courses, seminars, or workshops			
							in specialized topics relating to			
F 11 000=	ENIC (CE		Top Tech and	ENIC		_	business, technical, and	0.0		
Fall 2007	ENG605	605	Prof Writ	ENG	English	1	professional writing.	GR	LE	Lecture

		1		T		Intensive study of Dullish Phonon			1
						Intensive study of British literary			
						history and/or the work of			
						individual British writers.			
						Intended to develop an			
						understanding of literature within			
						the contexts of the author's life			
			Studies in			literary production, or historical			
Fall 2007	ENG610	610	British Lit	ENG	English	4 background.	GR	LE	Lecture
						Intensive study of American			
						literary history and/or the work			
						of individual American writers.			
						Intended to develop an			
						understanding of literature within			
						the contexts of the authors's life,			
			Studies in			literary production, or historical			
Fall 2007	ENG620	620	American Lit	ENG	English	4 background.	GR	LE	Lecture
						Intensive study of literature from			
						the perspectives of gender			
						theory. Intended to develop an			
						understanding of gender and			
						sexuality as important both to			
			Lit, Gender &			literature and to its critical			
Fall 2007	ENG630	630	Sexuality	ENG	English	4 appreciation.	GR	LE	Lecture
						Intensive study of literature from			
						different regions of America or			
						reflecting the experiences of			
						different ethnic groups. Intended			
						to develop an understanding of			
						race, region, and ethnicity as			
			Ethnic &			important both to literature and			
Fall 2007	ENG640	640	Regional Lit	ENG	English	4 to its critical appreciation.	GR	LE	Lecture
			J		j	Intensive study of literary theory			
						in order to develop an			
			Studies in Lit			understanding of critical			
Fall 2007	ENG650	650	Theory	ENG	English	4 questions and approaches.	GR	LE	Lecture

							(Also listed as COM 654.) Includes finding, writing,			
			Feature Story				polishing, and marketing feature			
Fall 2007	ENG654	654	Writing	ENG	English		material.	GR	LE	Lecture
							(Also listed as COM 658.) Editing			
							copy for mass media with			
							emphasis on newspaper format,			
			Editing for the				headline writing, rewriting, and			
Fall 2007	ENG658	658	Media	ENG	English	4	general copy desk.	GR	LE	Lecture
							Intensive study of literary genres			
							(e.g. poetry, the novel, satire) or			
							of literary themes. Intended to			
			Literary				develop an understanding of			
- " 0007	EN 0 / / 0		Genres &	-NO			formal and structural aspects of	0.5		
Fall 2007	ENG660	660	Themes	ENG	English	4	literature.	GR	LE	Lecture
							Intensive study, in English, of			
							non-European literature, focused			
			Ch di a a i a				nationally, regionally, cross-			
Fall 2007	ENC/70	670	Studies in World Lit	ENG	Faaliah		culturally, thematically, or	GR	LE	Looturo
Fall 2007	ENG670	670	World Lit	ENG	English	4	generically. Identifies the diverse needs of	GR	LE	Lecture
							students learning English as a			
							foreign language and the most			
							effective curriculum			
			TEFL				development, resources, and			
			Practices/Mate				teaching techniques to address			
Fall 2007	ENG674	674	rials	ENG	English		these needs.	GR	LE	Lecture
							Builds awareness of cultural			
							similarities and differences and			
							addresses the impact of culture			
							and personal variables on			
							English language learning.			
			TEFL Theory &				Provides techniques for			
Fall 2007	ENG675	675	Culture	ENG	English	4	integrating culture into the EFL	GR	LE	Lecture
							Intensive study of selected			
							special topics or problems			
							designed to meet the needs of			
Fall 2007	ENG677	677	Workshop	ENG	English	1	participating students. Titles	GR	LE	Lecture

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phonetics, phonology,			
morphology, syntax, semantics,			
4 pragmatics, and sociolinguistics.	GR	LE	Lecture
Study of the ancestry and early			
growth of English, the history of			
English sounds and inflections,			
the development of the English			
vocabulary, and variations in			
pronunciation and usage in			
Modern British and American			
4 English.	GR	LE	Lecture
Intensive study of linguistic			
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	GR	LE	Lecture
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-	GR	I F	Lecture
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4 to nonnative speakers of English.	CD	LE	Lecture
	4 pragmatics, and sociolinguistics. Study of the ancestry and early growth of English, the history of English sounds and inflections, the development of the English vocabulary, and variations in pronunciation and usage in Modern British and American 4 English. Intensive study of linguistic and/or rhetorical approaches to language. Intended to develop an understanding of language history, structure, theory, 4 pedagogy, and context. Presents a theoretical foundation for the study of second language acquisition, including first language acquisition, including first language acquisition, interlanguage, contrastive analysis, error analysis, language universals, communicative 4 competence, and learning Develops linguistic analysis skills to help students recognize, analyze, and remediate written and spoken grammatical errors in ESL/EFL instructional contexts. Also focuses on pedagogical aspects of grammar instruction	scientific study of language and focuses on describing and explaining languages in their natural environment. Includes phonetics, phonology, morphology, syntax, semantics, pragmatics, and sociolinguistics. Study of the ancestry and early growth of English, the history of English sounds and inflections, the development of the English vocabulary, and variations in pronunciation and usage in Modern British and American English. Intensive study of linguistic and/or rhetorical approaches to language. Intended to develop an understanding of language history, structure, theory, pedagogy, and context. GR Presents a theoretical foundation for the study of second language acquisition, including first language acquisition, including first language acquisition, including first language, contrastive analysis, error analysis, language universals, communicative competence, and learning Develops linguistic analysis skills to help students recognize, analyze, and remediate written and spoken grammatical errors in ESL/EFL instructional contexts. Also focuses on pedagogical aspects of grammar instruction	scientific study of language and focuses on describing and explaining languages in their natural environment. Includes phonetics, phonology, morphology, syntax, semantics, 4 pragmatics, and sociolinguistics. Study of the ancestry and early growth of English, the history of English sounds and inflections, the development of the English vocabulary, and variations in pronunciation and usage in Modern British and American 4 English. Intensive study of linguistic and/or rhetorical approaches to language. Intended to develop an understanding of language history, structure, theory, 4 pedagogy, and context. GR LE Presents a theoretical foundation for the study of second language acquisition, including first language acquisition, including first language acquisition, interlanguage, contrastive analysis, error analysis, language universals, communicative 4 competence, and learning Develops linguistic analysis skills to help students recognize, analyze, and remediate written and spoken grammatical errors in ESL/EFL instructional contexts. Also focuses on pedagogical aspects of grammar instruction

			Sociolinguistic			Examines the sociology of language, the ethnography of speaking, the variation in language structures, the social varieties of English, with their political and educational implications, and the relationship of these to second language			
Fall 2007	ENG683	683	s	ENG	English	4 acquisition.	GR	LE	Lecture
			TESOL Practices and			Develops skills in designing curricula through creating and adapting appropriate materials and activities, as well as evaluating and effectively using existing practices and materials available to the teacher of			
Fall 2007	ENG684	684	Materials	ENG	English	4 ESL/EFL.	GR	LE	Lecture
			Studies in Eng			(Also listed as ED 620.) Focuses on theoretical issues and practical problems of teaching English at all levels, including the teaching of writing and teaching of English to speakers of other			
Fall 2007	ENG685	685	Education	ENG	English	2 languages (TESOL). Titles vary.	GR	LE	Lecture
			TESOL			Investigates key concepts and underlying theories in the field of language assessment. Looks at purposes and types of assessment with a focus on the development and use of authentic assessment for English			
Fall 2007	ENG687	687	Assessment	ENG	English	4 Language learners.	GR	LE	Lecture

Fall 2007	ENG688	688	TESOL in Pre- K-12 Class	ENG	English	U.S. and Ohio. Examines historical and legal precedents. Emphasizes components necessary for successful programs, including curricula, assessment, classroom dynamics, and parental involvement.	GR	LE	Lecture
Fall 2007	ENGOSS	088	Poetry Writing	ENG	English	Advanced students work closely with instructor on writing and revising, leading to the creation of professional and publishable poetry. Reading and discussion of contemporary poetry and	GK	LE	Lecture
Fall 2007	ENG692	692	Seminar Fiction Writing	ENG	English	4 poetics. May be repeated twice Advanced study and practice of the techniques and forms of fiction, with emphasis on producing fiction of professional and publishable quality. Includes instruction on publication strategies. May be	GR	SE	Seminar
Fall 2007	ENG693	693	Sem Studies Creative	ENG	English	4 repeated once for credit. Specialized courses in genres, modes, styles, practices, creative processes, and the craft of fiction, creative non-fiction,	GR	SE	Seminar
Fall 2007	ENG694 ENG700	700	Writing Research in Lang & Writ	ENG	English English	Introduction to research in language and writing. Emphasis on finding and using library resources, surveying research designs, and understanding and reporting research in the human sciences.	GR GR	LE LE	Lecture

						Examination of the aims and			
						approaches of scholarly study of			
						literature and the tools and			
						methods of literary research.			
						Emphasis on the problems of			
						collecting, evaluating, and			
			Research in Lit			reporting the findings of			
Fall 2007	ENG701	701	Studies	ENG	English	4 scholarly study.	GR	LE	Lecture
					3	Examines literary criticism and			
						theories of textuality that are			
						being applied to literature.			
						Emphasis is placed on			
						understanding the development			
			Lit			and application of contemporary			
			Crit:Theory/Pr			theories of literature and their			
Fall 2007	ENG702	702	actice	ENG	English	4 effect on the study of literature.	GR	LE	Lecture
						Introduction to the theory and			
						pedagogy of college-level writing			
						courses. Requires concurrent			
			Teaching			teaching or tutorial experience.			
			College Comp			Required of all first-year English			
Fall 2007	ENG703	703	1	ENG	English	4 teaching assistants.	GR	LE	Lecture
						Introduction to the theory and			
						pedagogy of college-level writing			
						courses. Requires concurrent			
			Teaching			teaching or tutorial experience.			
			College Comp			Required of all first-year English			
Fall 2007	ENG704	704	II	ENG	English	2 teaching assistants.	GR	LE	Lecture
						Consideration of the sources and			
						processes of language and its			
						relationship to thought,			
						imagination, and symbolic form.			
						Emphasis on the contributions of			
						anthropology, linguistics,			
						philosophy, psychology, and			
			The Nature of			sociology to our understanding			
Fall 2007	ENG707	707	Language	ENG	English	4 of language.	GR	LE	Lecture

						Survey of the theoretical and			
						3			
						practical aspects of literary			
						creativity including such			
						considerations as the creative			
						imagination and writers' practice			
			The Creative			of their craft. Includes practice in			
Fall 2007	ENG710	710	Process	ENG	English	4 the creation of original work.	GR	LE	Lecture
						Introduction to rhetoric as			
						related to the written word.			
						Covers the history of rhetoric,			
						current rhetorical theory, and the			
						application of rhetorical theory to			
						the study of literature and			
Fall 2007	ENG711	711	Rhetoric	ENG	English	4 composition.	GR	LE	Lecture
						Introduction to the theoretical			
						and practical study of style in			
						writing, with emphasis on the			
						development of English prose			
			Style in			style and practice in stylistic			
Fall 2007	ENG712	712	Writing	ENG	English	4 analysis.	GR	LE	Lecture
						Introduction to the study of			
						language beyond the sentence			
						level. Topics covered will include			
						pragmatics, conversational			
			Discourse			analysis, cohesion, and written			
Fall 2007	ENG714	714	Analysis	ENG	English	4 language.	GR	LE	Lecture
						Current approaches to the study			
						of literature in the classroom.			
						Topics include literary types,			
						analysis, evaluation, and the			
			The Study of			relationship of literature to other			
Fall 2007	ENG716	716	Literature	ENG	English	4 disciplines.	GR	LE	Lecture

						Current approaches to writing	
						and the study of composition in	
						the classroom. Topics include	
						whole language, invention,	
						revision, stylistics, editing, the	
			The Study of			analysis of student writing, and	
Fall 2007	ENG717	717	Writing	ENG	English		cture
			3		3	Current approaches to the study	
						of technical, business, and other	
						specialized writing. Critical and	
						historical analyses are	
			Professional			supplemented by assignments in	
Fall 2007	ENG718	718	Writing	ENG	English	4 writing the studied forms. GR LE Lec	cture
						Reading, research, reports, and	
						discussion of topics dealing with	
						gender and literature (e.g.,	
						literature by and about women,	
						feminist critical theory and	
			Sem in Lit and			practice, and gender roles in	
Fall 2007	ENG720	720	Gender	ENG	English	4 literature). Titles vary. GR SE Sen	minar
						Study of materials, topics, texts,	
						and methodology appropriate to	
						teaching gender studies in	
			Teaching Lit			literature. Includes an assigned	
Fall 2007	ENG721	721	and Gender	ENG	English		cture
						Reading, research, reports, and	
						discussion on topics dealing with	
						a single writer or two closely	
						related ones (e.g., Chaucer,	
			Seminar:			Melville, Joyce, or Wordsworth	
Fall 2007	ENG730	730	Major Writers	ENG	English	5 /	minar
						Study of materials, topics, texts,	
						and methodology appropriate to	
						teaching a single writer or two	
						closely related ones. Includes an	
			Teaching			assigned lesson and a research	
Fall 2007	ENG731	731	Major Writers	ENG	English	4 project. GR LE Lec	cture

			Seminar: Literary			Reading, research, reports, and discussion on topics dealing with a single literary genre (e.g., epic, novel, tragedy, lyric poetry, or			
Fall 2007	ENG740	740	Genres	ENG	English	4 historical drama).	GR	SE	Seminar
Fall 2007	ENG741	741	Teaching Literary Genres	ENG	English	Study of materials, topics, texts, and methodology appropriate to teaching a single literary genre. Includes an assigned lesson and a research project.	GR	LE	Lecture
			Seminar: Cultural		3	Reading, research, reports, and discussion of topics dealing with the literature and culture of particular historical periods or with literary movements (e.g., the Middle Ages, the age of			
Fall 2007	ENG750	750	Periods	ENG	English	4 Johnson, romanticism, or the	GR	SE	Seminar
			Teaching			Study of materials, topics, texts, and methodology appropriate to teaching the literature and culture of particular historical periods or teaching literary movements. Includes an			
Fall 2007	ENG751	751	Cultural Period	ENG	English	4 assigned lesson and a research	GR	LE	Lecture
			Sem: Spec		3	Reading, research, reports, and discussion on topics dealing with special problems such as literary themes, literary conventions, literature in relation to other disciplines, literary backgrounds, critical approaches, and			
Fall 2007	ENG760	760	•	ENG	English	4 interdisciplinary study.	GR	SE	Seminar

						Study of materials, topics, texts, and methodology appropriate to teaching special problems such as literary themes, literary conventions, literature in relation to other disciplines. Includes an			
Fall 2007	ENG761	761	Teaching Spec Lit Probs	ENG	English	assigned lesson and a research project.	GR	LE	Looturo
Fall 2007	ENG/01	701	Sem in English	ENG	English	Reading, research, reports, projects, and discussion on English linguistic topics, including phonetics, phonology, morphology, syntax, semantics, pragmatics, discourse analysis, text linguistics, sociolinguistics, psycholinguistics, language acquisition, and historical		LE	Lecture
Fall 2007	ENG770	770	Language	ENG	English	4 linguistics.	GR	SE	Seminar
			Seminar in			Reading, research, reports, and discussion on topics dealing with the theory and pedagogy of writing (e.g., response to writing, writing across the			
Fall 2007	ENG780	780	Writing	ENG	English	4 curriculum, computers and	GR	SE	Seminar
Fall 2007	ENG789	789	Continuing Registration	ENG	English	1	GR	IS	Independe nt Study
Fall 2007	ENG791	791	Independent Study	ENG	English	Faculty-directed independent study in literature or language usually requiring reports and conferences with the instructor. A maximum of four credits may be applied to the M.A. degree.	GR	IS	Independe nt Study

							Ctudy discussion and			
							Study, discussion, and			
							application of techniques of			
							observational research in the			
							English/language arts classroom.			
							Students will design, carry out,			
							and write a research project.			
			Classroom				May be taken for letter grade or			
Fall 2007	ENG793	793	Research Eng	ENG	English	1	pass/unsatisfactory.	GR	LE	Lecture
							Supervised college-level			
							teaching, archival work, or			
			Intern &				professional writing. Graded			
Fall 2007	ENG795	795	Apprenticeship	ENG	English	4	pass/unsatisfactory.	GR	IN	Internship
							To be arranged with the Director			
							of Graduate Studies. Students			
							will be allowed a maximum of			
							eight hours thesis credit toward			Independe
Fall 2007	ENG799	799	Thesis	ENG	English	4	the degree.	GR	IS	nt Study
							Survey of areas of engineering			
							physics. Discussion of specific			
							problems in fields such as space			
							science, fluid and plasma			
							dynamics, thermal science,			
					Engineeri		lasers, instrumentation, materials			
			Cont Areas-		ng		research, and nuclear			
Fall 2007	EP231	231	Egr Phy	EP	Physics	1	engineering.	UG	LE	Lecture
Fall 2007	EFZ31	231	Egi Fily	LF	Filysics	'	(Also listed as PHY 322.) Study	UG	LC	Lecture
							of optical instruments by means			
							of both geometrical and physical			
							optics. Theory and application of			1 t /1 -
							interferometry and light			Lecture/La
					Engineeri		detection devices. Brief			b
	ED000	000			ng		introduction to lasers and			Combinatio
Fall 2007	EP322	322	Applied Optics	ΕP	Physics	4	holography. Three hours lecture,	UG	LL	n
					Engineeri					
					ng					
Fall 2007	EP322L	322L	Lab	EP	Physics	0		UG	LB	Lab

Fall 2007	ED400	400	Semiconductor	FD.	Engineeri ng	(Also listed as PHY 400.) Crystal structure, energy bands, charge carriers, and carrier motion in semiconductors. Electrical and optical properties. P-N junction diodes. Equilibrium, dc, ac, and transient characteristics. Metal-Semiconductor junctions. Diode	IIC.		Lockura
Fall 2007	EP400	400	Materials	EP	Physics	3 design. (Also listed as PHY 401.) Covers	UG	LE	Lecture
						structure and characteristics of			
						bipolar transistors, field effect			
					Engineeri	transistors, and other selected			
			Semiconduct		ng	devices. Includes design and			
Fall 2007	EP401	401	Device Phy	EP	Physics	3 computer modeling of devices.	UG	LE	Lecture
			Semincond		Engineeri	(Also listed as PHY 402). Survey of the individual processes used in fabricating semiconductor devices. Integration of these processes to produce MOS and			
			Dev		ng	bipolar structures. Computer			
Fall 2007	EP402	402	Processing	EP	Physics	3 design aids.	UG	LB	Lab
					Engineeri	(Also listed as PHY 432). Introduction to the physics of lasers including emission and absorption processes in lasing, the factors controlling laser gain, the properties of optical resonators, and a survey of			
					ng	salient features for principal			
Fall 2007	EP432	432	Lasers	EP	Physics	3 types of lasers.	UG	LE	Lecture

Fall 2007	EP432	432	Lacore	ЕР	Engineeri ng	(Also listed as PHY 432). Introduction to the physics of lasers including emission and absorption processes in lasing, the factors controlling laser gain, the properties of optical resonators, and a survey of salient features for principal	UG	LB	Lab
			Intro Nanosci/Nanot		Physics Engineeri ng	Introduction to nanoscience and technology. Topics include introduction to quantum mechanics, fabrication, characterization, materials, electronic properties, optical properties, magnetic properties,			
Fall 2007	EP440	440	ech	EP	Physics	4 devices, MEMS and NEMS.	UG	LE	Lecture
Fall 2007	EP440L	440L	Lab	EP	Engineeri ng Physics	0	UG	LB	Lab
Fall 2007	ED470	470	Introduction	FD.	Engineeri ng	The course offers an overview of basic sensor technology to provide the engineering student with practical working knowledge of sensors. Course will include basic sensor operating principles, basic electronics and	110	15	Lacture
Fall 2007	EP470	470	to Sensors	EP	Physics	4 measurement principles.	UG	LE	Lecture
					Engineeri	The course offers an overview of basic sensor technology to provide the engineering student with practical working knowledge of sensors. Course will include basic sensor operating principles,			
			Introduction		ng	basic electronics and			
Fall 2007	EP470	470	to Sensors	EP	Physics	4 measurement principles.	UG	LB	Lab

Fall 2007	EP494	494	Engineering Phy Projects	EP	Engineeri ng Physics	Independent design/development/research projects in engineering physics. A detailed written final report and seminar presentation are required. A project proposal must be approved by the program faculty before	UG	SE	Seminar
			Writing in EP		Engineeri ng	Required writing compnent for			
Fall 2007	EP494W	494W	494	EP	Physics	0 EP 494.	UG	LB	Lab
			Honors Egr-		Engineeri ng	design/development/research projects in engineering physics for departmental honors students. A final report, seminar presentation, and a journal submission are required. A project proposal must be approved by the program faculty before registration.			Independe
Fall 2007	EP499	499	Phy Projects	EP	Physics	3	UG	IS	nt Study
Fall 2007	EP499W	499W	Writing in EP	EP	Engineeri ng	Required writing component for 0 EP 499.	UG	LB	Lab
rali 2007	EF477VV	47711			Physics Engineeri	(Also listed as PHY 600.) Study of crystal and electron band structure, selected topics in quantum theory; change carriers in semiconductors; electrical and optical properties; and the structure and characteristics of pn junctions. Also, the generation,		LD	Lab
F - II 2007	ED/00	(00	Semiconductor	ED	ng	recombination, and motion of	CD.		1 1
Fall 2007	EP600	600	Materials	EP	Physics	3 charge carriers.	GR	LE	Lecture

							(Also listed as PHY 601). Study			
							of the structure and			
							characteristics of bipolar			
					Engineeri		transistors, field effect			
			Semiconductor		ng		transistors, and other selected			
Fall 2007	EP601	601	Dev Physics	EP	Physics	3	devices. Also covers design and	GR	LE	Lecture
Tun 2007	LIOUI	001	Devinysies		11193103		(Also listed as PHY 602). Survey	OIX	LL	Locture
							of the individual processes used			
							in fabricating semiconductor			
							devices. Integration of these			
					Engineeri		processes to produce MOS and			
			Semiconductor		ng		bipolar structures. Computer			
Fall 2007	EP602	602	Dev Process	EP	Physics	3	design aids.	GR	LE	Lecture
1 411 2007	L1 002	002	DCV 1100033		11133103		of the optical instruments by	O.C	LL	Ecotaro
							means of both geometric and			
							physical optics. Theory and			
							applications of interferometry			
							and light detection devices. Brief			
							introduction to lasers and			
							holography. 4 hours lab for five			Lecture/La
					Engineeri		weeks, 2 hours lecture.			b
					ng					Combinatio
Fall 2007	EP622	622	Applied Optics	EP	Physics	4		GR	LL	n
					Engineeri					
					ng					
Fall 2007	EP622L	622L	Lab	EP	Physics	0		GR	LB	Lab
							Introduction to the physics of			
							lasers including emission and			
							absorption processes in lasing,			
							the factors controlling laser gain,			
							the properties of optical			
					Engineeri		resonators, and a survey of			
					ng		salient features for principal			
Fall 2007	EP632	632	Lasers	EP	Physics	3	types of lasers.	GR	LB	Lab

Fall 2007	EP632	632	Lasers	EP	Engineeri ng Physics	Introduction to the physics of lasers including emission and absorption processes in lasing, the factors controlling laser gain, the properties of optical resonators, and a survey of salient features for principal types of lasers.	GR	LE	Lecture
Fall 2007	ES701	701	Sel Topics in Env Sci	ES	Environm ental Sciences	1	GR	LR	Lecture/Re citation Combination
			Subsurface		Environm ental	Transport, transformation, and fate of solutes and contaminants in the vadose zone and the saturated zone. Processes include their advection, dispersion, solution, volatilization, sorption, and acidbase, precipitation, complexation, oxidation-			
Fall 2007	ES702	702	Processes Env Resource	ES	Sciences Environm ental	This course will help students construct a framework for developing sustainable solutions to environmental problems. Potential technological, economic, and policy-related approaches to sustainability will be discussed for a variety of	GR	LE	Lecture
Fall 2007	ES703	703	Sustain	ES	Sciences	3 environmental problems.	GR	LE	Lecture

Fall 2007	ES704	704	Env Stressor Ident	ES	Environm ental Sciences	This course details methods used for identifying natural and anthropogenic environmental stressors. Physical, chemical, and biological assessment methods are described showing how they are used in an integrated, interdisciplinary assessment 3 design. GR LE Lecture
Fall 2007	E3704	704	rdent	ES	Sciences	3 design. GR LE Lecture This course will provide students
			Env Policy &		Environm ental	with an extensive background in the policies underlying Lecture environmental law and regulation with special emphasis Combination
Fall 2007	ES705	705	Regulation	ES	Sciences	3 on experience in the United GR LR n
			Intro		Environm	Introduction to sampling schemes, exploratory data analysis, probability distributions, and statistical methods for environmental data, confidence, prediction and tolerance intervals. Introduction to linear
			Environmental		ental	models, simulation and risk
Fall 2007	ES706	706	Stat	ES	Sciences	4 assessment and stochiastic GR LE Lecture
					Environm ental	Independent study designed to develop proficiency in technology, instrumentation, research design, and data analysis in an area of
Fall 2007	ES707	707	Lab Rotation	ES	Sciences	4 concentration different from a GR LB Lab
					Environm	Introduces Environmental Sciences students to the ongoing research activities in the departments of biological sciences, chemistry, and
E-II 0007	F0700	700	Introduction	FC	ental	geological sciences; involves
Fall 2007	ES708	708	to Research	ES	Sciences	1 presentations by ES faculty. GR LE Lecture

E-II 2007	50700	700	Persepctives in		Environm ental	Explores current topics and contemporary research programs and ideas in Environmental	C.D.	65	Complement
Fall 2007	ES709	709	Env Sci	ES	Sciences	1 Sciences. This course, through readings	GR	SE	Seminar
						and lectures, uses the historical			
						records to identify the constants			
						in human behavior and			
			Hist of		Environm	institutions and evaluates the			
			Environmentali		ental	adaptations that have been			
Fall 2007	ES710	710	sm	ES	Sciences	3 made to address environmental	GR	LE	Lecture
						Graduate level introduction to			
						environmental biology at multiple			
						levels of biological organization			
						including molecular biology,			
					Environm	organismal physiology and evolutionary biology, and			
			Env Blo Genes		ental	community and ecosystem			
Fall 2007	ES712	712	Org & Eco	ES	Sciences	3 ecology.	GR	LE	Lecture
1 411 2007	20712	7.2	0.9 & 200		001011000	Statistical techniques for the	O.C		Lootaro
						modeling and analysis of spatial			
						and time-series environmental			
						data, including spatio-temporal			
					Environm	analysis, using appropriate			
			Environmental		ental	software. Applications and case			
Fall 2007	ES714	714	Statistics	ES	Sciences	4 studies.	GR	LE	Lecture
						The risk assessment paradigm is			
						described while focusing on			
						understanding and integrating			
						complex effects and exposure			
						issues in the risk characterization			
			Dial.		Facilities and	component of the process. The			
			Risk		Environm	strengths and limitations of			
Fall 2007	ES715	715	Assessment &	ES	ental Sciences	currently used methods will be 4 examined.	GR	LE	Locturo
raii 2007	E3/15	715	Commun	EO	Sciences	4 examined.	GK	LE	Lecture

E II 0007	5074		Complexity in	50	Environm ental	Explores quantitative analysis, modeling and forecasting the behavior of nonlinear complex environmental systems. Introduces the concepts and tools for analyzing and modeling: scaling in space and time,
Fall 2007	ES716	716	Env System Chem Processes in	ES	Environm ental	4 feedback, and self-organization. GR LE Lecture Skills are developed to predict behavior and movement of chemical contaminants in atmospheric, aquatic and soil systems. Physical and chemical properties of contaminants and environmental interactions are evaluated to determine their
Fall 2007	ES718	718	Envir Biology of	ES	Sciences Environm ental	3 ultimate fate. GR LE Lecture This course will study the development of the ecosystem concepts and the traditional ways in which organisms can alter ecosystem dynamics through physical or chemical
Fall 2007	ES756	756	Ecosystems Geol & Env	ES	Sciences Environm ental	3 interaction with their GR LE Lecture Study the principles of GIS and its applications to environmental problems. Lectures and project are designed to explore GIS data source, format, acquisition, integration, and analysis, and the processes of decision-making
Fall 2007	ES761 ES763	761 763	Applica GIS Remote Sensing Applica	ES	Environm ental Sciences	4 using GIS. Students study how computer enhancement and calibration of satellite and aerial digital imagery can help in analyzing and solving geological and 4 environmental problems. GR LE Lecture

							This is a survey course of			
							modern computational tools and			
							strategies used in sequence, 3-D			
							structure and functional analysis			
							of biomolecules. Students will			
							gain hands on "laboratory"			
			Comp		Environm		experience with key software			
			Tools/Strategi		ental		and strategies.		1	
Fall 2007	ES765	765	eses	ES	Sciences	4		GR	LE	Lecture
					Environm		Research and problems designed			
			Indep Topics		ental		for specific needs and talents of			Independe
Fall 2007	ES799	799	& Research	ES	Sciences	1	the students.	GR	IS	nt Study
							The internship option is available			
							to second year PhD students			
							wishing to gain experience with			
							an environmental professional in			
							an approved interdisciplinary job			
					Environm		setting and providing opportunity			
			Internship		ental		to formulate a dissertation			
Fall 2007	ES808	808	Option	ES	Sciences	5	research topic.	GR	IN	Internship
			·				Ethics underpin the way we act.			
							This course will provide students			
							with an understanding of ethics			Lecture/Re
			Env and		Environm		generally, and as they apply in			citation
			Research		ental		environmental and research			Combinatio
Fall 2007	ES809	809	Ethics	ES	Sciences	1	settings.	GR	LR	n
							This course provides students			
							with an overview of the key			Lecture/Re
					Environm		issues faced by environment			citation
			Env Mgt &		ental		managers, particularly economic			Combinatio
Fall 2007	ES810	810	Economics	ES	Sciences	2	considerations.	GR	LR	n
1 411 2007	L3010	010	LCOHOTHICS	LJ	Sciences		Capstone course bringing	GIX	LIX	
							together all the interdisciplinary			
							aspects of the Environmental			Lecture/Re
					Environm		Sciences Ph.D. Program; involves			citation
			Env Problem		ental		small group problem solving			Combinatio
Fall 2007	ES811	811	Solving	ES	Sciences	ว	exercises.	GR	LR	
Fall 2007	ESOLI	011	Sulving	ES	Sciences		EXELCIPES.	UK	LK	n

Fall 2007	ES813	813	Dissertation Research	ES	Environm ental Sciences	1	Planning and execution of scholarly original research of a quality that is publishable in a refereed scientific journal. Research must be communicated to the Supervisory Committee in written form and defended by public oral examination.	GR	IS	Independe nt Study
Fall 2007	EXB194	194	Careers in EH, EXB, CL, BIO	EXB	Exercise Biology	1	Provide students with an overview of the programs and career options in Biology, Clinical Laboratory Science, Exercise Biology and Environmental Science.	UG	LE	Lecture
			EKG		Exercise		A course to foster the development of basic knowledge and essential sills needed to identify and interpret EKG strips. In addition, basic cardiovascular medications and their probable influence on exercise			
Fall 2007	EXB260 EXB352	352	Interpretation Human Biomechanics	EXB	Biology Exercise Biology		performance will be described. Analysis of muscular interrelationships in basic body movements; analysis of principles of mechanics as they relate to fundamental & complext motor skills.	UG	LE LE	Lecture
1 all 2007	LADJJZ	332	Diomechanics	LAD	Exercise		complext motor skins.	00	LL	Lecture
Fall 2007	EXB352L	352L	Lab	EXB	Biology	0		UG	LB	Lab
Fall 2007	EXB352W	352W	Writing in EXB	EXB	Exercise Biology	0	Physiological adjustments and	UG	LB	Lab
Fall 2007	EXB353	353	Exercise Physiology I	EXB	Exercise Biology	4	changes occurring in the human organishm as a result of homeostatic challenges.	UG	LE	Lecture

F-II 2007	EVD2E2I	2521	Exercise Physiology I	EVD	Exercise	0	Demoired laboratory for EVD 252	ше	l D	Lab
Fall 2007	EXB353L	353L	Lab	EXB	Biology		Required laboratory for EXB 353. Exercise physiology as it is	UG	LB	Lab
							applied to fitness and			
İ							performance. Programs that			
							distinguish between health-			
							related fitness and physiology of			
			Exercise		Exercise		maximal performance will be			
Fall 2007	EXB354	354	Physiology II	EXB	Biology	4	discussed.	UG	LE	Lecture
1					Exercise					
Fall 2007	EXB354L	354L	Lab in EXB	EXB	Biology	0		UG	LB	Lab
							This course is a study of clinical			
1							exercise physiology with an			
							emphasis on the cardio vascular			
							system. Standards of practice			
I							for both physiological			
			3 =				assessment and exercise			
	=\(\mathbb{P}\) 150		Clin Exercise	=>45	Exercise		prescription are based on		. –	
Fall 2007	EXB450	450	,	EXB	Biology	4	guidelines established by the	UG	LE	Lecture
- II 0007	EVD 4501	4501	Clin Exercise	EVD	Exercise	0	D		LD	1 -1-
Fall 2007	EXB450L	450L	Phys I Lab	EXB	Biology	U	Required laboratory for EXB 450.	UG	LB	Lab
							This course is a study of clinical			
							exercise physiology with an			
							emphasis on pulmonary,			
							metabolic, orthopedic and neuromuscular disorders.			
							Standards of practice are based			
			Clin Exercise		Exercise		on the guidelines established by			
Fall 2007	EXB451	451	Phys II	EXB	Biology		the A.C.S.M.	UG	LE	Lecture
1 dii 2007	LADTOI	451	I IIy3 II	LND	Exercise	7	the A.C.S.IW.	00	LL	Locidio
Fall 2007	EXB451L	451L	Lab in EXB	EXB	Biology	0		UG	LB	Lab
1 dii 2007	LABIOTE	7012	Writing in EXB	LAD	Exercise	•		00		Lub
Fall 2007	EXB451W	451W	451	EXB	Biology	0		UG	LB	Lab

						Exercise pharmacology concerns			
						the effect of exercise on the			
						therapeutic actions of commonly			
						used prescription and over-the-			
						counter drugs. The effect of			
			Exercise		Exercise	drugs on athletic performance is			
Fall 2007	EXB452	452	Pharmacology	EXB	Biology	3 also emphasized.	UG	LE	Lecture
			33		33	An in-depth study of the primary			
						responsibilities regarding the			
						development and directing of			
						safe and effective clinical			
						exercise programs and			
			Cardiac		Exercise	secondary preventive services for			
Fall 2007	EXB455	455	Rehabilitation	EXB	Biology	4 the cardiac and pulmonary	UG	LE	Lecture
			Lab in Cardiac		Exercise				
Fall 2007	EXB455L	455L	Rehabilitation	EXB	Biology	0	UG	LB	Lab
						Designed to involve exercise			
						science students in a culminating			
						practicum experience in their			
						field of study during their senior			
			Internship		Exercise	year. The experience involved			
Fall 2007	EXB466	466	Exercise Bio	EXB	Biology	4 work site training or a research	UG	IN	Internship
						A culmination, in-depth,			
			Exercise			synthesis of the research			
			Biology		Exercise	literature pertaining to the field			
Fall 2007	EXB482	482	Seminar	EXB	Biology	1 of exercise science.	UG	SE	Seminar
						Study of clinical exercise			
						physiology with an emphasis on			
						the cardiopulmonary system			
						which includes how to contruct,			Lecture/La
			Clinical			administer, and interpret various			b
			Exercise Phys		Exercise	types of cardiopulmonary			Combinatio
Fall 2007	EXB650	650	I	EXB	Biology	4 assessment instruments.	GR	LL	n

						Study of Clinical Exercise			
						3			
						Physiology with emphasis on			
						pulmonary, metabolic,			
						orthopedic, and neuromuscular			
						disorders. Physiological			Lecture/La
			Clinical			assessment and exercise			b
			Exercise Phys		Exercise	prescription standards are based			Combinatio
Fall 2007	EXB651	651	H	EXB	Biology	4 on the guidelines established by	GR	LL	n
						Theroretical and practical study			
						of the effects of exercise on the			
						human organism with specific			
						consideration given to			
						bioenergetics, neuromuscular			Lecture/La
						concepts, respiration, acid base			b
			Exercise		Exercise	balances, cardiorespiratory			Combinatio
Fall 2007	EXB653	653	Physiology I	EXB	Biology	4 responses, and endocrinology.	GR	LL	n
			<i>y</i>		- 33	Theoretical and practical study of			
						the effects of exercise on the			
						human organism with specific			
			Exercise		Exercise	consideration given to aspects in			
Fall 2007	EXB654	654	Physiology II	EXB	Biology	4 applied exercise physiology.	GR	LE	Lecture
1 411 2007	E/(BOOT	001	i nysiology n	LAD	Diology	An in-depth study of the primary	OIX	LL	Loctoro
						responsibilities regarding the			
						development and directing of			
						safe and effective clinical			
						exercise programs and			
			Cardiac		Exercise				
Fall 2007	EVD/EE	/ F F		EVD		secondary preventive services for			Lastura
Fall 2007	EXB655	655	Rehabilitation	EXB	Biology	4 the cardiac and pulmonary	GR	LE	Lecture
			Cardiac		E				
F-11 0007	EVD (EE:	/ F F I	Rehabilitation	EVD	Exercise		CD.	l D	1 -1-
Fall 2007	EXB655L	655L	Lab	EXB	Biology	0	GR	LB	Lab

Fall 2007	FIN205	205	Personal Fin Decision	FIN	Finance	Provides knowledge that helps students effectively manage their personal financial affairs. Topics include personal financial statements, budgeting, tax planning, investing and savings, consumer borrowing, insurance, real estate, and retirement 4 planning.	UG	LE	Lecture
			Writing in FIN			Required writing component for			
Fall 2007	FIN205W	205W	205	FIN	Finance	0 FIN 205.	UG	LB	Lab
Fall 2007	FIN310	310	Financial	EIN	Cinono	Introduction to the basic concepts, principles, and analytical techniques of financial management. Topics include financial planning and analysis, risk and return, time value of money, cost of capital, capital	II.C	LE	Locture
Fall 2007	FINSTO	310	Management I Financial Management	FIIN	Finance	4 budgeting, and capital structure. Continuation of Finance 310. Emphasis is on financial decisions. Topics include dividend policy, current asset management and financing, derivatives and risk management, international	UG	LE	Lecture
Fall 2007	FIN311	311	П	FIN	Finance	4 finance, hybrid forms of	UG	LE	Lecture
Fall 2007	FIN315	315	Foundations of Fin Plan	FIN	Finance	This course introduces basic concepts and techniques of financial planning from the perspective of a professional financial planner.	UG	LE	Lecture
			Writing in FIN						
Fall 2007	FIN315W	315W	315	FIN	Finance	0	UG	LB	Lab

						Introduction to the principles and practices of real estate. Topics include the real estate profession and industry, real estate contracts, market analysis, valuation approaches, financing techniques, investment analysis, and home ownership. Successful completion of this course meets part of the licensing
Fall 2007	FIN331	331	Real Estate Prin&Pract	FIN	Finance	requirements for real estate 4 salespeople in Ohio. UG LE Lecture
			Real Estate			Includes all areas of law commonly concerned with the typical real estate practitioner and investor-consumer. Topics include the law of agency as applied to real estate brokers and salespeople, law of fixtures, estates (including leases), conveyancing of real estate, real estate managers, zoning, cooperatives, condominiums, and license laws of Ohio. Successful completion of this course meets part of the licensing requirements for real
Fall 2007	FIN332	332	Law	FIN	Finance	4 estate salespeople in Ohio. UG LE Lecture
			Risk and			Introduction to principles and practices of personal risk management and insurance. Topics include property and liability insurance, life insurance, disability insurance, health
Fall 2007	FIN351	351	Insurance	FIN	Finance	4 insurance, and social security. UG LE Lecture

						_	ctive of this course is to orporate financial			
			Analysis of			,	on from an investment			
Fall 2007	FIN400	400	Corp Fin Inf	FIN	Finance	4 analyst p		UG	LE	Lecture
1 411 2007	1111100	100	Writing in FIN		Tinano		writing component for			Lootaro
Fall 2007	FIN400W	400W	400	FIN	Finance	0 FIN 400.	mining component to	UG	LB	Lab
							ion to the theory and			
			Investing in				of investing in stocks,			
Fall 2007	FIN401	401	Securities	FIN	Finance	•	nd other securities.	UG	LE	Lecture
						Advanced	I treatment of the			
						theory an	d practice of investing.			
			Seminar in				opportunities for			
Fall 2007	FIN402	402	Investments	FIN	Finance	4 individual	investigation of	UG	SE	Seminar
						This two-	quarter course provides			
						hands-on	experience in			
						managing	real money. The			
						students	manage an investment			
						portfolio	using money from the			
						University	Foundation. The			
						course he	elps students learn			
			Real Money			about ass	set valuation and			
Fall 2007	FIN403	403	Investing	FIN	Finance	4 allocation	, and portfolio	UG	LE	Lecture
						The object	ctive of this course is to			
						provide s	tudents with an			
						introducti	on to the valuation of			
						fixed inco	me securities and the			
			Fixed Income			managem	nent of fixed income			
Fall 2007	FIN404	404	Securities	FIN	Finance	4 investme	nt portfolios.	UG	LE	Lecture
·						The object	ctive of this course is to			
						provide s	tudents with an			
			Financial			understar	nding of futures,			
Fall 2007	FIN405	405	Derivatives	FIN	Finance	4 options, a	and swaps.	UG	LE	Lecture
						In this co	urse students will be			
						exposed t	to the tools, strategies,			
			Security			statistics	and history of portfolio			
			Analysis			analysis i	n competitive securities			
Fall 2007	FIN406	406	Portfolio	FIN	Finance	4 markets.		UG	LE	Lecture

			Mark of Fire				Analysis of issues relating to the			
E 11 0007	FINIAGA	444	Mgt of Fin	E151	F.		financial management of			
Fall 2007	FIN411	411	Institutions	FIN	Finance	4	financial institutions.	UG	LE	Lecture
			E				Application of financial concepts			
			Financial				and analytical techniques to			
			Management				financial decision making.	_		
Fall 2007	FIN418	418	Ш	FIN	Finance	4	Extensive use of cases.	UG	LE	Lecture
			Writing in FIN				Required writing component for	_		
Fall 2007	FIN418W	418W	418	FIN	Finance	0	FIN 418.	UG	LB	Lab
							In-depth treatment of advanced			
							problems in financial			
			Seminar in				management. Writing Intensive.			
Fall 2007	FIN419	419	Corporate Fin	FIN	Finance	4		UG	SE	Seminar
1							In-depth treatment of advanced			
							problems in managerial finance.			
							Topics include capital budgeting,			
							capital structure theory, cost of			
			Seminar in				capital, dividend policy, and long-			
Fall 2007	FIN420	420	Financial Mgt	FIN	Finance	4	term financial management.	UG	SE	Seminar
							In depth study of real estate			
							finance and the theory and			
							practice of appraising real			
							estate. Successful completion of			
							this course meets part of the			
			Real Estate Fin				licensing requirements for real			
Fall 2007	FIN430	430	& App	FIN	Finance	4	estate sales people in Ohio.	UG	LE	Lecture
							Explores the theory and practice			
							of real estate investment			
			Investing in				analysis as it relates to personal			
Fall 2007	FIN435	435	Real Estate	FIN	Finance	4	financial planning objectives.	UG	LE	Lecture
							Advanced treatment of theory			
							and practice of insurance as it			
							relates to personal and business			
							planning objectives. Examination			
							of selected topics and issues.			
			Adv Topics in				Prerequisite FIN 351 or			
Fall 2007	FIN455	455	Insurance	FIN	Finance	4	permission of instructor.	UG	LE	Lecture

							Familiarizes students with the			
							concepts of retirement planning			
							and employee benefits and the			
							application of these concepts to			
			Retirement				overall financial planning for			
Fall 2007	FIN461	461	Planning	FIN	Finance	4	individuals and small businesses.	UG	LE	Lecture
			Writing in FIN				Required writing component for			
Fall 2007	FIN461W	461W	461	FIN	Finance	0	FIN 461.	UG	LB	Lab
							Provides a theoretical and			
							practical approach to estate			
							planning. Includes estate and			
			Estate				gift taxes, wills, trusts, and			
Fall 2007	FIN462	462	Planning	FIN	Finance	4	estate planning techniques.	UG	LE	Lecture
							Students participate in financial			
							planning laboratories and attend			
							workshops on interviewing			
							techniques, data gathering, plan			
							preparation, and computerized			
			Practicum in				planning models. For financial			
Fall 2007	FIN470	470	Fin Plan	FIN	Finance	4	services majors only.	UG	LE	Lecture
							Independent study in selected			
			Finance				areas of finance or financial			
Fall 2007	FIN477	477	Studies	FIN	Finance	1	services.	UG	LE	Lecture
			Hon: Ind				Research in finance for			
			Study in				fulfillment of the Honors			Independe
Fall 2007	FIN478	478	Finance	FIN	Finance	1	program project requirement.	UG	IS	nt Study
							Seminar in a finance topic of			
			Special Topics				current and timely interest.			
Fall 2007	FIN480	480	in Fin	FIN	Finance	4	Topics and prerequisites vary.	UG	SE	Seminar
							One-quarter faculty-supervised			
							internship in finance. Students			
							work in a firm or public agency,			
			Internship in				participate in seminars, and			
Fall 2007	FIN481	481	Finance	FIN	Finance	1	submit reports. Topics vary.	UG	IN	Internship

							Study of the international			
							aspects of financial			
							management. Topics include			
							foreign exchange management,			
							international capital budgeting,			
			International				international financing, tax			
all 2007	FIN490	490	Fin Mgt	FIN	Finance	4	planning, and working capital	UG	LE	Lecture
							Analysis of issues relating to the			
			Mgt of Fin				financial management of			
all 2007	FIN702	702	Institutions	FIN	Finance	4	financial institutions.	GR	LE	Lecture
							Concepts, theories, and			
							techniques underlying the			
			Investment				development of investment			
Fall 2007	FIN710	710	Management	FIN	Finance	4	policies and strategies.	GR	LE	Lecture
							Advanced treatment of selected			
							topics in investments including			
			Seminar in				options, futures, and portfolio			
all 2007	FIN711	711	Investments	FIN	Finance	4	theory.	GR	SE	Seminar
							Advanced treatment of the			
							theory and practice of long-term			
							financial management. Topics			
							include dividends, leasing, hybrid			
			Sem in				financing, derivatives and risk			
			Financial				management, mergers and			
all 2007	FIN742	742	Managemt	FIN	Finance	4	acquisitions, and divestitures.	GR	SE	Seminar
							Advanced treatment of the			
							theory and practice of working			
							capital management, including			
							cash management, credit policy,			
							inventory policy, and short-term			
			Sem in Wkg				financing strategies. Extensive			
Fall 2007	FIN743	743	Capital Mgt	FIN	Finance	4	use of outside readings.	GR	SE	Seminar
							Overview of the financial			
							management function in health			
							care organizations. Topics			
							include budgeting, control,			
			Fin Mgt Health				capital expenditure analysis, and			
Fall 2007	FIN750	750	Care Organ	FIN	Finance	4	rate settings.	GR	LE	Lecture

			Special Topics				In-depth analysis of a current			
Fall 2007	FIN760	760	in Fin	FIN	Finance	4	trend in finance. Titles vary.	GR	LE	Lecture
							One-quarter internship in a			
							selected private or governmental			
							organization under the direction			
			Finance				of a faculty advisor and			
Fall 2007	FIN780	780	Internship	FIN	Finance	4	employment supervisor.	GR	IN	Internship
							Intensive reading or research in			
			Special				a selected field of advanced			Independe
Fall 2007	FIN781	781	Studies Fin	FIN	Finance	1	finance.	GR	IS	nt Study
			Continuing							Independe
Fall 2007	FIN789	789	Registration	FIN	Finance	1		GR	IS	nt Study
							Advanced treatment of the			
							concepts and techniques of			
			Sem Interntl				international financial			
Fall 2007	FIN790	790	Fin Manag	FIN	Finance	4	management.	GR	SE	Seminar
- u 0007	E111700	700				_		0.0		Independe
Fall 2007	FIN799	799	Thesis	FIN	Finance	1		GR	IS	nt Study
			Student		F "					
F-II 2007	EMD/00	(00	Initiated	EMD	Family	2		MD		Lastina
Fall 2007	FMD600	600	Elective	FMD	Medicine	2		MD	LE	Lecture
			Family Medicine		Family					
Fall 2007	FMD601	601	Preceptorship	FMD	Family Medicine	2		MD	CL	Clinical
raii 2007	FINIDOOL	001	Family Med	LIVID	Medicine			טועו	CL	Cililical
			Preceptorship		Family					
Fall 2007	FMD602	602	AHEC	FMD	Medicine	2		MD	LE	Lecture
1 411 2007	TIVIDOUZ	002	AITEO	TIVID	Wedienie			IVID	LL	Eccture
			Intro to Sports		Family					
Fall 2007	FMD604	604	Medicine	FMD	Medicine	2		MD	LE	Lecture
			Family Med							
			Preceptorship-		Family					
Fall 2007	FMD610	610	MVH	FMD	Medicine	2		MD	LE	Lecture
			Family Prac in							
			Community		Family					
Fall 2007	FMD611	611	Hosp	FMD	Medicine	2		MD	LE	Lecture

			Behavioral							
			Health in Fam		Family					
Fall 2007	FMD612	612	Med	FMD	Medicine	2		MD	CL	Clinical
			FM Precept							
			Dayton		Family					
Fall 2007	FMD613	613	Community	FMD	Medicine	2		MD	CL	Clinical
			Family							
			Medicine		Family					
Fall 2007	FMD700	700	Clerkship	FMD	Medicine	11		MD	CL	Clinical
			Student-							
			Initiated		Family					
Fall 2007	FMD800	800	Elective	FMD	Medicine	4		MD	CL	Clinical
			Fam Doc,							
			Community		Family					
Fall 2007	FMD801	801	Setting	FMD	Medicine	8		MD	CL	Clinical
			Primary Care							
			Clin		Family					
Fall 2007	FMD802	802	Experience	FMD	Medicine	8		MD	CL	Clinical
			JI Family		Family					
Fall 2007	FMD803	803	Medicine	FMD	Medicine	8		MD	CL	Clinical
			Dental Consid		Family					
Fall 2007	FMD805	805	in Med	FMD	Medicine	4		MD	CL	Clinical
			JI Family		Family					
Fall 2007	FMD806	806	Medicine	FMD	Medicine	8		MD	CL	Clinical
			Computers:		Family					
Fall 2007	FMD809	809	Clin Medicine	FMD	Medicine	4		MD	CL	Clinical
			Advanced							
			Family		Family					
Fall 2007	FMD820	820	Medicine	FMD	Medicine	8		MD	CL	Clinical
			Extramural		Family					
Fall 2007	FMD900	900	Elective	FMD	Medicine	4		MD	Н	Hospital
							Communicative introduction to			
							French structures and vocabulary	,		
							and to French and Francophone			
							cultures. Practice in speaking,			
Fall 2007	FR101	101	First Yr French	FR	French	4	listening, reading and writing.	UG	LE	Lecture

							Communicative introduction to			
							French structures and vocabulary			
							and to French and Francophone			
							cultures. Practice in speaking,			
Fall 2007	FR102	102	First Yr French	FR	French	4	listening, reading and writing.	UG	LE	Lecture
							Communicative introduction to			
							French structures and vocabulary			
							and to French and Francophone			
							cultures. Practice in speaking,			
Fall 2007	FR103	103	First Yr French	FR	French	4	listening, reading and writing.	UG	LE	Lecture
							Introduction to French with			
			Essentials of				emphasis on speaking the			
Fall 2007	FR111	111	French	FR	French	4	language.	UG	LE	Lecture
			French				A thorough review of French			
			Grammar				grammar with an emphasis on			
Fall 2007	FR150	150	Review	FR	French	4	oral practice.	UG	LE	Lecture
							Grammar review, reading, and			
							discussion of selected texts, with			
			Second Yr				practice in speaking and writing			
Fall 2007	FR201	201	French	FR	French	4	the language.	UG	LE	Lecture
							Grammar review, reading, and			
							discussion of selected texts, with			
			Second Yr				practice in speaking and writing			
Fall 2007	FR202	202	French	FR	French	4	the language.	UG	LE	Lecture
							Grammar review, reading, and			
							discussion of selected texts, with			
			Second Yr				practice in speaking and writing			
Fall 2007	FR203	203	French	FR	French	4	the language.	UG	LE	Lecture
							Practice in oral use of French			
			French				emphasizing the culture of the			
Fall 2007	FR311	311	Conversation	FR	French	4	French-speaking world.	UG	LE	Lecture
							Practice in oral use of French			
			French				emphasizing the culture of the			
Fall 2007	FR312	312	Conversation	FR	French	4	French-speaking world.	UG	LE	Lecture
							Practice in oral use of French			
			French				emphasizing the culture of the			
Fall 2007	FR313	313	Conversation	FR	French	4	French-speaking world.	UG	LE	Lecture

						321 and 322: Writing techniques			
			French			and grammar review; written			
Fall 2007	FR321	321	Composition	FR	French	4 stylistic analyses.	UG	LE	Lecture
			Writing in FR			Required writing component for			
Fall 2007	FR321W	321W	321	FR	French	0 FR 321.	UG	LB	Lab
						321 and 322: Writing techniques			
			French			and grammar review; written			
Fall 2007	FR322	322	Composition	FR	French	4 stylistic analyses.	UG	LE	Lecture
			Writing in FR						
Fall 2007	FR322W	322W	322	FR	French	0	UG	LB	Lab
						Advanced grammar review;			
						Study of linguistic			
						functions/genres of writing			
			French			through structural and stylistic			
Fall 2007	FR323	323	Composition	FR	French	4 analyses and pastiches of model	UG	LE	Lecture
			Writing in						
Fall 2007	FR323W	323W	French	FR	French	0	UG	LB	Lab
						An introduction to the language			
						of business French with insight			
			Business			into France's place in the global			
Fall 2007	FR325	325	French	FR	French	4 economy.	UG	LE	Lecture
			Writing in FR						
Fall 2007	FR325W	325W	325	FR	French	0	UG	LB	Lab
			Survey of						
			French			Middle Ages to the present.			
Fall 2007	FR331	331	Literature	FR	French	4 Topics vary.	UG	LE	Lecture
			Survey of			Survey of literature from one or			
			Francophone			more regions of the french-			
Fall 2007	FR332	332	Lit	FR	French	4 speaking world. Topics vary.	UG	LE	Lecture
			Writing in FR						
Fall 2007	FR332W	332W	332	FR	French	0	UG	LB	Lab
						Study of the main currents of			
						French civilization with emphasis			
			French			on historical aspects. Conducted			
Fall 2007	FR351	351	Civilization	FR	French	4 in French.	UG	LE	Lecture
						Pronunciation, diction, and			
			French			intonation. Corrective exercises			
Fall 2007	FR361	361	Phonetics	FR	French	2 and laboratory work.	UG	LE	Lecture

						French majors assist elementary			
									Independe
FR381	381	Fr Instruct	FR	French	1	, , ,	UG	IS	nt Study
						1			
									Independe
FR382	382	Fr Instruct	FR	French	1	, , ,	UG	IS	nt Study
						French majors assist elementary			
		Applied Elem				course instructors in conducting			Independe
FR383	383	Fr Instruct	FR	French	1	classes. For French majors only.	UG	IS	nt Study
		Studies							
		Selected							Independe
FR399	399	Subjects	FR	French	1		UG	IS	nt Study
		Adv							
		Studies:Lang				Conducted in French. Topics			
FR403	403	Civiliza	FR	French	4	vary.	UG	LE	Lecture
		Writing in FR				Required writing component for			
FR403W	403W	403	FR	French	0	FR 403.	UG	LB	Lab
		Literature of				Selected medieval texts: epic			
FR421	421	Middle Ages	FR	French	4	poems, romances, and plays.	UG	LE	Lecture
		<u> </u>				Three centuries of French			
						poetry: Villon, Marot, Du Bellay,			
		Villon to							
FR422	422	Chenier	FR	French	4		UG	LE	Lecture
-									
						S S			
		17th&18th				1			
FR423	423	Century Novel	FR	French	4		UG	LE	Lecture
		Libs&Moralsts							
FR441	441			French	4	3	UG	l F	Lecture
						3	- 0		23300.3
		17th & 18th							
FR442	442		FR	French	4		UG	l F	Lecture
	FR383 FR399 FR403 FR403W FR421	FR382 382 FR383 383 FR399 399 FR403 403 FR403W 403W FR421 421 FR422 422 FR423 423	FR382 382 Fr Instruct Applied Elem Fr Instruct Applied Elem Fr Instruct Studies Selected Subjects Adv Studies:Lang Civiliza Writing in FR 403 403 Literature of Middle Ages FR421 421 Villon to Chenier FR423 423 Century Novel FR441 441 Libs&Moralsts: Rabel-Volt 17th & 18th	FR381 381 Fr Instruct FR Applied Elem FR FR382 382 Fr Instruct FR Applied Elem FR FR383 383 Fr Instruct FR Studies Selected FR Adv Studies:Lang FR FR403 403 Civiliza FR FR403W 403W 403 FR FR421 421 Middle Ages FR FR421 421 Villon to FR FR422 422 Chenier FR FR423 423 Century Novel FR FR441 441 Rabel-Volt FR 17th & 18th FR 17th & 18th	FR381 381 Fr Instruct FR French Applied Elem FR382 Fr Instruct FR French Applied Elem Fr Instruct FR French FR383 383 Fr Instruct FR French Studies Selected Selected FR French French FR399 399 Subjects FR French FR403 403 Civiliza FR French FR403W 403W FR French FR421 421 Middle Ages FR French FR421 421 Villon to Chenier FR French FR422 422 Chenier FR French FR423 423 Century Novel FR French FR441 441 Rabel-Volt FR French	FR381 381 Fr Instruct FR French 1 Applied Elem FR Instruct FR French 1 Applied Elem FR383 383 Fr Instruct FR French 1 FR393 383 Fr Instruct FR French 1 Studies Selected Subjects FR French 1 FR399 399 Subjects FR French 1 Adv Studies:Lang Civiliza FR French 4 FR403 403 Civiliza FR French 4 FR403W 403W 403 FR French 0 FR421 421 Middle Ages FR French 4 Villon to Chenier FR French 4 FR422 422 Chenier FR French 4 FR423 423 Century Novel FR French 4 FR441	FR381 381 Fr Instruct FR French 1 classes. For French majors only. Applied Elem FR382 382 Fr Instruct FR French 1 classes. For French majors assist elementary course instructors in conducting Instructors in conducting FR383 383 Fr Instruct FR French 1 classes. For French majors assist elementary course instructors in conducting Instructors inconduction Instructors inconduction Instructors inconduction Instructors inconduction Instructors instructors instructors inconduction Instructors instructors instructors instructors instructor	FR381 381 Fr Instruct FR French 1 classes. For French majors only. Applied Elem FR382 382 Fr Instruct FR French 1 classes. For French majors assist elementary course instructors in conducting FR383 383 Fr Instruct FR French 1 classes. For French majors only. UG French majors assist elementary course instructors in conducting FR383 383 Fr Instruct FR French 1 classes. For French majors only. UG French majors assist elementary course instructors in conducting FR383 383 Fr Instruct FR French 1 classes. For French majors only. UG FR383 Selected FR399 399 Subjects FR French 1 Conducted in French. Topics Studies: Lang FR403 403 Civiliza FR French 4 vary. UG FR403 403 Civiliza FR French 4 vary. UG FR403W 403W 403W 403 FR French 4 poems, romances, and plays. UG FR421 421 Middle Ages FR French 4 poems, romances, and plays. UG Three centuries of French poetry: Villon, Marot, Du Bellay, Ronsard, d'Aubigne, Malherbe, Villon to FR422 422 Chenier FR French 4 La Fontaine, Bolleau, Voltaire, UG Selected novelists including Mme. de La Fayette, Scarron, Fenelon, Montesquieu, Lesage, FR423 423 Century Novel FR French 4 Prevost, Diderot, and Laclos. UG Currents of skepticism and humanism in French intellectual history. Major authors: Rabelais, Montaigne, Saint-Evremond, La Bruyere, La Rochefoucauld, Bruyere, La Rochefoucauld, Bruyere, La Rochefoucauld, Bruyere, La Rochefoucauld, Bruyere, La Rochefoucauld, Works of Corneille, Moliere, Racine, Marivaux, Diderot, and UG Works of Corneille, Moliere, Racine, Marivaux, Diderot, and Laclos.	FR381 381 Fr Instruct FR French 1 classes. For French majors only. UG IS French majors assist elementarry course instructors in conducting IS Fr Instruct FR French 1 classes. For French majors only. UG IS French majors assist elementarry course instructors in conducting IS French majors assist elementarry course instructors in conducting IS French majors assist elementarry course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS French majors assist elementary course instructors in conducting IS Fr

						History of political and social			
						ideas in 18th-century France.			
						Based principally on works of			
			The			Montesquieu, Diderot, Voltaire,			
Fall 2007	FR443	443	Enlightenment	FR	French	4 and Rousseau.	UG	LE	Lecture
			Independent						Independe
Fall 2007	FR450	450	Research	FR	French	1 Topics vary.	UG	IS	nt Study
						Includes Bernardin de Saint-			
						Pierre, Chateaubriand, Mme. de			
						Stael, Nodier, Lamartine, Vigny,			
Fall 2007	FR451	451	Romanticism	FR	French	4 Musset, and Nerval.	UG	LE	Lecture
						Chateaubriand, Constant,			
			Nineteenth			Stendhal, Balzac, Flaubert, Zola,			
Fall 2007	FR452	452	J	FR	French	4 and France.	UG	LE	Lecture
			Poetry:Baudel			Symbolists, decadents, and			
Fall 2007	FR453	453	aire to Bret	FR	French	4 surrealists.	UG	LE	Lecture
						Intensive study of such authors			
						as Merimee, Gautier, Balzac,			
			19th Century			Flaubert, Maupassant, and			
Fall 2007	FR454	454	Short Story	FR	French	4 Villiers de l'Isle Adam.	UG	LE	Lecture
			Writing in FR						
Fall 2007	FR454W	454W	454	FR	French	0	UG	LB	Lab
			20th Cent Fr						
Fall 2007	FR462	462	Lit	FR	French	4 The novel.	UG	LE	Lecture
			Writing in FR						
Fall 2007	FR462W	462W	462	FR	French	0	UG	LB	Lab
			20th Cent Lit:						
Fall 2007	FR463	463	Drama	FR	French	4 Drama.	UG	LE	Lecture
			20th Cent Fr						
Fall 2007	FR464	464	Lit	FR	French	4 Poetry.	UG	LE	Lecture
						Selected topics in French and			
						Francophone literature and film			
						that investigate various themes,			
						myths, genres, literary			
			French/Franco			movements, or characters. Titles			
Fall 2007	FR465	465	phone Lit	FR	French	4 vary.	UG	LE	Lecture
			Writing in FR			Required writing component for			
Fall 2007	FR465W	465W	465	FR	French	0 FR 465.	UG	LB	Lab

			Independent							Independe
Fall 2007	FR481	481	Reading	FR	French	4	Topics vary.	UG	IS	nt Study
			Independent							Independe
Fall 2007	FR482	482	Reading	FR	French	4	Topics vary.	UG	IS	nt Study
							Practice in oral use of French			
			French				emphasizing the culture of the			
Fall 2007	FR511	511	Conversation	FR	French	4	French-speaking world.	GR	LE	Lecture
							Practice in oral use of French			
			French				emphasizing the culture of the			
Fall 2007	FR512	512	Conversation	FR	French	4	French-speaking world.	GR	LE	Lecture
			French				Writing techniques and grammar			
Fall 2007	FR521	521	Composition	FR	French	4	review; written stylistic analyses.	GR	LE	Lecture
			French				Writing techniques and grammar			
Fall 2007	FR522	522	Composition	FR	French	4	review; written stylistic analyses.	GR	LE	Lecture
							Introduction to written literary			
			French				analysis of poetry, prose, and			
Fall 2007	FR523	523	Composition	FR	French	4	drama.	GR	LE	Lecture
							An introduction to the language			
							of business French with insight			
			Business				into France's place in the global			
Fall 2007	FR525	525	French	FR	French	4	economy.	GR	LE	Lecture
			Business				Web enhanced exploration of			
			French:				business language, culture and			
Fall 2007	FR526	526	Quebec	FR	French	4	practices in Quebec.	GR	LE	Lecture
			Survey of				Middle Ages to the present.			
Fall 2007	FR531	531	French Lit	FR	French	4	Topics vary.	GR	LE	Lecture
			Survey of				Survey of literature from one or			
			Francophone				more regions of the Francophone			
Fall 2007	FR532	532	Lit	FR	French	4	world. Topics vary.	GR	LE	Lecture
							Study of the main currents of			
			French				French civilization with emphasis			
Fall 2007	FR551	551	Civilization	FR	French	4	on historical aspects.	GR	LE	Lecture
							Assistance for elementary course			
			Applied Elem				instructors in conducting French			
Fall 2007	FR581	581	Fr Instr	FR	French	1	classes.	GR	IN	Internship

						For teachers of French.	
						Intensive experience designed,	
						through total immersion, to	
						improve language skills	
						(conversation and composition)	
			Foreign Lang			and increase awareness of	Independe
Fall 2007	FR590	590	Institute	FR	French	8 French civilization and GR IS	nt Study
	111010					Course content will vary. Topic	
			Adv Studies:			chosen by instructor. Conducted	
Fall 2007	FR603	603	Lang Civiliza	FR	French	4 in French. GR LE	Lecture
			3			Three centuries of French	
						poetry: Villon, Sceve, Marot, Du	
						Bellay, Ronsard, d'Aubigne,	
			Villon to			Malherbe, La Fontaine, Bioleau,	
Fall 2007	FR622	622	Chenier	FR	French	4 Voltaire, Chenier. GR LE	Lecture
						Mme de La Fayette, Scarron,	
						Finelon, Montesquieu, Lesage,	
						Privost, Diderot, and Ladlos.	
			17th&18th			Graduate standing and instructor	
Fall 2007	FR623	623	Cent Novel	FR	French	4 permission required. GR LE	Lecture
						Libertines and Moralista: From	
						Rabelais to Voltaire: Currents of	
						skepticism and humanism in the	
						intellectual history of France.	
						Major authors: Rabelais,	
						Montaigne, Cyrano de Bergerac,	
						Saint-Evremond, La Bruyere, La	
			Libertines and			Rochefoucauld, Bayle,	
Fall 2007	FR641	641	Moralists	FR	French	4 Fontenelle, Diderot, Voltaire. GR LE	Lecture
						Works of Corneille, Moliere,	
			17th & 18th			Racine, Marivaux, Diderot,	
Fall 2007	FR642	642	Cent Theatre	FR	French	4 Voltaire, Beaumarchais. GR LE	Lecture
						History of political and social	
						ideas in eighteenth-century	
						France. Based principally on	
			The			works of Montesquieu, Diderot,	
Fall 2007	FR643	643	Enlightenment	FR	French	4 Voltaire, and Rousseau. GR LE	Lecture

			Independent						Independe
Fall 2007	FR650	650	Grad Research	FR	French	1 Independent graduate research.	GR	IS	nt Study
						From Rousseau to Hugo.			
						Includes Bernardin de St. Pierre,			
						Chateaubriand, Mme de Stael,			
			French			Nodier, Lamartine, Vigny,			
Fall 2007	FR651	651	Romanticism	FR	French	4 Musset, Nerval.	GR	LE	Lecture
						Chateaubriand, Constant,			
			Nineteenth			Stendhal, Balzac, Flaubert, Zola,			
Fall 2007	FR652	652	Century Novel	FR	French	4 and France.	GR	LE	Lecture
			Poetry:						
			Baudel. to			Symbolists, Decadents, and			
Fall 2007	FR653	653	Breton	FR	French	4 Surrealists.	GR	LE	Lecture
						Intensive study of such authors			
						as Balzac, Stendhal, Nodier,			
			19th Century			Mirimie, Flaubert, Maupassant,			
Fall 2007	FR654	654	Short Story	FR	French	4 and Huysmans.	GR	LE	Lecture
			Twentieth						
Fall 2007	FR662	662	Century Lit	FR	French	4 The novel.	GR	LE	Lecture
						Study of modern French theatre			
			20th Cent Lit:			including: Cocteau, Giraudoux,			
Fall 2007	FR663	663	Drama	FR	French	4 Anouilh, Beckett, Ionesco.	GR	LE	Lecture
						Examination of selected topics in			
						French literature to investigate			
						various themes, myths, genres,			
			Problems in			literary movements, or			
Fall 2007	FR665	665	French Lit	FR	French	4 characters. Titles vary.	GR	LE	Lecture
			Ind Read for			Independent reading for			Independe
Fall 2007	FR681	681	Grad Student	FR	French	4 graduate students.	GR	IS	nt Study
			Ind Read for			Independent reading for			Independe
Fall 2007	FR682	682	Grad Student	FR	French	4 graduate students.	GR	IS	nt Study

						Ctudy of the claments of the			
						Study of the elements of the			
						human natural environment at			
						regional and global scales			
						including examination of the			
						interactions among climate, soils,			
			Prin Physical		Geograph	vegetation, landscapes, and			
Fall 2007	GEO201	201	Geography	GEO	у	4 people.	UG	LE	Lecture
						Study of major cultural elements			
						of the human environment			
						including examination of their			
						spatial interactions and factors			
			Prin Cultural		Geograph	influencing their location and			
Fall 2007	GEO202	202	Geography	GEO	у	4 distribution.	UG	LE	Lecture
			3 1 3			Examination of the principal			
						geographic factors influencing			
						human activities related to			
						production, exchange, and			
			Prin Economic		Geograph	consumption of goods and			
Fall 2007	GEO203	203	Geography	GEO	у	4 services.	UG	LE	Lecture
1 4.1. 2007	020200			-	3	Introduction to maps and their			20000.0
			Global		Geograph	uses as a means to gain global			
Fall 2007	GEO249	249	Awareness	GEO	у	4 awareness.	UG	LE	Lecture
1 411 2007	020217	217	7111011011000	020	3	Geographic appraisal of factors			Lootaro
						influencing evolution, structure,			
			Political		Geograph	resource base, function, and			
Fall 2007	GEO302	302	Geography	GEO		4 associations of political units.	UG	LE	Lecture
1 all 2007	GLUJUZ	302	Geography	GLO	У	Examination of the development	UG	LL	Lecture
						·			
						of city planning as a professional			
						discipline. Consideration of the			
						contributions to planning by the			
						arts and sciences. Selected			
						activities and functions of			
						contemporary urban planning			
			Urban			agencies are viewed from the			
			Planning I:		Geograph	perspective of current urban			
Fall 2007	GEO317	317	Intro	GEO	У	4 problems.	UG	LE	Lecture

			Urban Planning II:		Geograph	Includes the role of planning in urban structures, and duties and responsibilities of planning commissions; process of preparing comprehensive plans; population change, the economic base, and employment change; and determinants of future urban
Fall 2007	GEO318	318	Princ	GEO	У	4 structure. UG LE Lecture Distribution of world's landforms
						with emphasis on processes and
						systems functioning to shape the
						natural landscape. Attention to
			Princ of			three-way interaction among
			Geomorpholog		Geograph	landforms, other physical factors,
Fall 2007	GEO322	322	у	GEO	у	4 and people. UG LE Lecture
			World Regional		Geograph	Discussion of the nature of selected world regions and their spatial relationships. Emphasizes the unique characteristics of the cultures and landscapes of these regions applying basic
Fall 2007	GEO325	325	Geography	GEO	y	4 geographic concepts. UG LE Lecture
			Climatol Earth		Geograph	Interaction of weather and climate with various earth systems. Includes observation, measurement, and analysis of meteorological elements and
Fall 2007	GEO334	334	Sci Teachs	GEO	у	4 controls. For nonmajors only. UG LE Lecture
F-11 0007	050040	240	Urban	050	Geograph	General nontechnical introduction to urban geography focusing on major geographic concepts and principles relating to location, function, and
Fall 2007	GEO340	340	Geography	GEO	У	4 structure of urban areas. UG LE Lecture

						Examination of selected			
						concepts, generalizations, and			
						research methods of urban			
						geography with emphasis on the			
						spatial structure of residential			
			Geo-Spatial		Geograph	populations, distribution of social			
Fall 2007	GEO343	343	Applications	GEO	у	pathologies, and segregation of UC	G	LE	Lecture
					J	Study of theoretical aspects of	_		
						the location of human activities.			
						Introduction to theories and			
						concepts regarding location and			
			Location		Geograph	spatial arrangement of economic			
Fall 2007	GEO353	353	Theory	GEO	y	activities.	G	LE	Lecture
			,			Factors of industrial location			
						using empirical examples.			
						Includes introduction to basic			
						theories and techniques			
			Geo of		Geograph	underlying the decision process			
Fall 2007	GEO354	354	Manufacturing	GEO	у .	in manufacturing locations.	G	LE	Lecture
			Systematic		Geograph	Analysis of various geographic			
Fall 2007	GEO360	360	Geography	GEO	у	factors. Topics vary.	G	LE	Lecture
						Basic survey of imaging remote			
						sensor types and their			
						operational characteristics			
						including sensors for the			
			Remote		Geograph	ultraviolet, visual, infrared, and			
Fall 2007	GEO361	361	Sensing	GEO	у	microwave portions of the UC	G	LE	Lecture
					Geograph				
Fall 2007	GEO361L	361L	GEO Lab	GEO	у	UC	G	LB	Lab
			Writing in GEO		Geograph	Required writing component for			
Fall 2007	GEO361W	361W	361	GEO	У	GEO 361.	G	LB	Lab
						Application of remote sensing			
						techniques to environmental and			
						resource problems. Emphasis on			
			Remote			optimizing sensor selection to			
			Sensing of		Geograph	enhance image information			
Fall 2007	GEO362	362	Environ	GEO	у	content. UC	G	LE	Lecture

					Principles of map projections,			
					their construction, and their use			
					in illustrating geographic			
					relationships. Includes methods			
				Geograph	of design compilation and			
Fall 2007	GEO365 365	Cartagraphy	GEO	Geograph	5 graphic representation of data.	UG	LE	Lecture
raii 200 <i>1</i>	GEU303 303	5 Cartography	GEU	Geograph	5 grapriic representation of data.	UG	LE	Lecture
Fall 2007	GEO365L 365	5L GEO Lab	GEO	v	0	UG	LB	Lab
	020002 000	020 200	020	9	Physical and cultural analysis of			
				Geograph	major and minor world regions.			
Fall 2007	GEO370 370	0 Regional Geo	GEO	v	4 Topics vary.	UG	LE	Lecture
		Writing in GEO		Geograph	, spiss isn'y			
Fall 2007	GEO370W 370	•	GEO	У	0	UG	LB	Lab
					Economic and geographic			
					appraisal of resource			
					conservation in the world,			
					emphasizing an analytical			
					approach to solving such			
					contemporary problems as			
					human population growth,			
		Environmental		Geograph	environmental quality, recreation			
Fall 2007	GEO375 375	5 Conservtn	GEO	у	4 and open space, and resource	UG	LE	Lecture
					Examination of the nature, tools,			
					methods, and techniques of			
					geographic analysis. Emphasis			
					on design, compilation,			
		Geographic		Geograph	interpretation, and presentation			
Fall 2007	GEO385 385	5 Methodology	GEO	у	5 of research materials.	UG	LE	Lecture
		Writing in GEO		Geograph				
Fall 2007	GEO385W 385	5W 385	GEO	у	0	UG	LB	Lab
					Problems, approaches, and			
		Studies in		Geograph	topics in the field of geography.			Independe
Fall 2007	GEO399 399	9 Selected Subj	GEO	у	1 Topics vary.	UG	IS	nt Study

							Examination of urban plans and			
							planning proposals. Includes			
							future land use plans,			
							•			
							community facilities and public			
			I I also a se				utility plans, and traffic and			
			Urban				circulation plans. Considers			
F 11 0007	050444	44.4	Planning	050	Geograph		modern theories of planning and		0.5	
Fall 2007	GEO414	414	Seminar	GEO	У		the planning and design of new	UG	SE	Seminar
							Process of preparing			
							comprehensive urban plans.			
							Methods for assessing land use			
							conditions, housing patterns, and			
							urban deterioration. Students			
			Urban Plan		Geograph		participate in the development of			
Fall 2007	GEO419	419	III: Land Use	GEO	У		a land use plan for selected area.	UG	LE	Lecture
							Observation, measurement, and			
						á	analysis of climatic elements and			
							controls, climatic classification,			
					Geograph	á	and relation of climate to human			
Fall 2007	GEO430	430	Climatology I	GEO	У	4 6	economic and social activities.	UG	LE	Lecture
							Development and application of			
						f	first principles governing the			
						á	atmosphere at rest and in			
					Geograph	r	motion. Examination of the			
Fall 2007	GEO431	431	Meteorology	GEO	у	4 9	general circulation. Applied	UG	LE	Lecture
						F	Principles of physical and			
						(dynamical climatology.			
						E	Evaluation of local and regional			
					Geograph	t	ransports and conversions of			
Fall 2007	GEO432	432	Climatology II	GEO	у	4 6	energy in the earth-atmosphere	UG	LE	Lecture
						(Geographic perspective in the			
						S	study of cities. Recent			
							developments in theory, method,			
							and techniques in urban			
							geographic research with			
			Sem in Urban		Geograph	١,	emphasis on the behavioral			
Fall 2007	GEO441	441	Geography	GEO	у	4 8	approach.	UG	SE	Seminar

						Study and practice of compilation			
			Intermed			processes for the development			
			Cartog⤅		Geograph	of maps and models using			
Fall 2007	GEO445	445	Inter	GEO	у	5 primary data sources.	UG	LE	Lecture
						Uses of map and photographic			
						data in close and long range			
						photogrammetry. Emphasis on			
						the full spectrum of photo			
						interpretation as applied to the			
			Map & Photo		Geograph	controlled mapping of terrestrial			
Fall 2007	GEO446	446	Interpre Lab	GEO	у	4 and marine surfaces.	UG	LB	Lab
						Principles, structures, and			
						applications of geographic			
						information systems and			
						utilization of data from			
			Geographic		Geograph	topographic, remotely sensed,			
all 2007	GEO447	447	Info Sci Prin	GEO	у	5 and photogrammetric sources.	UG	LE	Lecture
						Students apply GIS techniques to			
						solve public/private sector			
						information and development			
						problems. Solutions entail data			
			ADV			analysis and forecasting, using			
			Geographic		Geograph	ARC/INFO geographic			
all 2007	GEO448	448	Info Sci	GEO	у	5 information system methods.	UG	LE	Lecture
						An analysis of spatial aspects			
						and structural characteristics of			
						transport networks, the			
						movement of goods, and their			
			Geo of		Geograph	relationship to regional economic			
all 2007	GEO455	455	Transportation		У	4 structures.	UG	LE	Lecture
			Writing in GEO		Geograph				
all 2007	GEO455V	V 455W	455	GEO	у	0	UG	LB	Lab

UG	LE	Lecture
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							A study of the evolution of the			
							discipline through analyses of			
							the approaches, emphases,			
			Foundations of		Geograph		methodologies, paradigms, and			
Fall 2007	GEO486	486	Geography	GEO	у	4	traditions in geography.	UG	LE	Lecture
			Writing in GEO		Geograph		3 3 1 3			
Fall 2007	GEO486W	486W	486	GEO	у	0		UG	LB	Lab
							Provides geography majors 15			
							clock hours of practical			
							experience under academic			
							supervision each week during			
							the quarter with a cooperating			
			Geography		Geograph		public agency or private firm.			
Fall 2007	GEO492	492	Internship	GEO	у	1	Topics vary. For geography	UG	IN	Internship
							Provides geography majors of			
							superior academic ability the			
							opportunity to use, broaden, and			
			Honors Project		Geograph		demonstrate the knowledge and			Independe
Fall 2007	GEO493	493	in Geo	GEO	у	4	skills acquired.	UG	IS	nt Study
							Provides geography majors of			
							superior academic ability the			
							opportunity to use, broaden, and			
			Honors Project		Geograph		demonstrate the knowledge and	_		Independe
Fall 2007	GEO494	494	in Geo	GEO	У	4	skills acquired.	UG	IS	nt Study
							Interaction of weather and			
							climate with the various earth			
							systems. Includes observation,			
			011				measurement, and analysis of			
F 11 0007	050504	F0.4	Climatol Earth	050	Geograph		meteorological elements and	0.0		
Fall 2007	GEO534	534	Sci Teachs	GEO	У	4	controls.	GR	LE	Lecture
							Geographic factors of various			
							topics will be analyzed. Specific			
							topic of field of concentration			
			C t t.' .		0		announced each time course is			
F - II 0007	050570	F (0	Systematic	050	Geograph		offered. A maximum of 15	CD.		1 1
Fall 2007	GEO560	560	Geography	GEO	У	4	credits is permitted.	GR	LE	Lecture

			Studies in		Geograph	Examination of the influence of selected physical characteristics of the atmosphere in determining the range of vision of remote sensors and the effect of these atmospheric factors on			
Fall 2007	GEO599	599	Selected Subj	GEO	у	1 remotely sensed imagery.	GR	LE	Lecture
						The role of planning in urban and regional structures and duties and responsibilities of planning commissions are discussed. The process of preparing comprehensive plans is pursued. Study items include population change, the economic base, and employment change.			
			Urban Plan II:		Geograph	The determinants of future			
Fall 2007	GEO612	612	Princ	GEO	у	4 urban structure are evaluated.	GR	LE	Lecture
			Urban Plan		Geograph	Process of preparing comprehensive urban plans. Methods for assessing land-use conditions, housing patterns, and urban deterioration. Students participate in the development of a land-use plan for a selected			
Fall 2007	GEO613	613	III: Land Use	GEO	у	4 area.	GR	LE	Lecture
			Urban Planning		Geograph	Examination of urban plans and planning proposals. Includes future land use plans, community facilities and public utility plans, and traffic and circulation plans. Considers modern theories of planning and			
Fall 2007	GEO614	614	Seminar	GEO	v	4 the planning and design of new	GR	SE	Seminar

							Covers observation,			
							measurement, and analysis of			
							climatic elements/controls,			
							classifications, and relationship			
					Geograph		to human economic and social			
Fall 2007	GEO630	630	Climatology I	GEO	у	1	activities.	GR	LE	Lecture
1 all 2007	GE0030	030	Cilitiatology I	GLO	У		Development and application of	OK .	LL	Lecture
							first principles governing the			
							atmosphere at rest and in			
					Coograph		motion. Examination of the			
Fall 2007	GEO631	631	Motoorology	CEO	Geograph	4		GR	LE	Looturo
Fall 2007	GEU031	031	Meteorology	GEO	У	4	general circulation. Applied	GR	LE	Lecture
							Principles of physical and			
							dynamical climatology.			
							Evaluation of local and regional			
					0		transports and conversions of			
	050/00			050	Geograph		energy in the earth-atmosphere	0.5		
Fall 2007	GEO632	632	Climatology II	GEO	У		system.	GR	LE	Lecture
							Study and practice of compilation			
							processes for the development			Lecture/La
			Intermed				of maps and models using			b
			Cartog⤅		Geograph	_	remotely sensed data sources. 4			Combinatio
Fall 2007	GEO645	645	Inter	GEO	У	5	hours lecture, 1 hour lab.	GR	LL	n
							Uses of map and photographic			
							data in close and long range			
							photogrammetry. Emphasis on			
							the full spectrum of photo			
							interpretation as applied to the			
			Map & Photo		Geograph		controlled mapping of terrestrial			
Fall 2007	GEO646	646	Interpretation	GEO	у	4	and marine surfaces.	GR	LE	Lecture
							Principles, structures, and			
							applications of geographic			
							information systems and use of			
							data from topographic, remotely			
			Geographic		Geograph		sensed, and photogrammetric			
Fall 2007	GEO647	647	Info Sci Prin	GEO	у	5	sources.	GR	LE	Lecture

Fall 2007	GEO648	648	Adv Geographic Info Sci	GEO	Geograph y	Students apply GIS techniques to solve public/private sector information and development problems. Solutions entail data analysis and forecasting, using ARC/INFO geographic information system methods.	GR	LE	Lecture
Fall 2007	GEO653	653	Location Theory	GEO	Geograph V	Study of theoretical aspects of the location of human activities. Introduction to theories and concepts regarding location and spatial arrangement of economic 4 activities.	GR	LE	Lecture
			Geo of		Geograph	Analysis of spatial aspects and structural characteristics of transport networks, the movement of goods, and their relationship to regional			
Fall 2007	GEO655	655	Transportation Human Percept in Res	GEO	y Geograph	A study of the spatial factors influencing human response and decision making in resource use schema. Attention is given to the manner in which man perceives environmental elements and apprehends resources and natural hazards	GR	LE	Lecture
Fall 2007	GEO658	658	Mgt Remote	GEO	у	4 such as floods and droughts. Application of remote sensing techniques to environmental and resource problems. Emphasis on optimizing sensor selection to	GR	LE	Lecture
Fall 2007	GEO662	662	Sensing of Envir	GEO	Geograph y	enhance image information 4 content.	GR	LE	Lecture

							Application of geographic			
							methodology to problems			
							employing photographic and			
							machine-processed multispectral			
							scanner data that are used in			
			Geo Appl Rem-		Geograph		academic research,			
Fall 2007	GEO663	663	Sensed Data	GEO	у	4	environmental analysis, and	GR	LE	Lecture
							Principles of map projections and			
							their construction and use in			
							illustrating geographic			
							relationships. Includes methods			Lecture/La
							of design, compilation, and			b
					Geograph		graphic representation of data. 4			Combinatio
Fall 2007	GEO665	665	Cartography	GEO	у	5	hours lecture, 1 hour lab.	GR	LL	n
							A consideration of the			
							geographic perspective in the			
							study of cities. Through review			
							of the literature, recent			
							developments in theory, method,			
							and techniques in urban			
							geographic research are			
- II 0007	050///		Sem in Urban	050	Geograph		examined, with particular	0.5		
Fall 2007	GEO666	666	Geography	GEO	У	4	emphasis on the behavioral	GR	LE	Lecture
			5				Physical and cultural analysis of			
F-II 2007	050/70	(70	Regional	CEO.	Geograph	4	major and minor world regions.	CD		Lastina
Fall 2007	GEO670	670	Geography	GEO	У	4	Topics vary.	GR	LE	Lecture
			Special		Caaaaaah		Research and problems designed			
Fall 2007	CEO/ 01	/ 01	Problems in	CEO	Geograph	1	for specific needs and talents of	CD	LE	Looturo
Fall 2007	GEO681	681	Geo	GEO	У	ļ	the students. Titles vary. Supervised individual study of	GR	LE	Lecture
			Special Problems in		Coograph					
Eall 2007	CEO402	402		CEO	Geograph	1	special problems or specific	CD	l E	Loctura
Fall 2007	GEO682	682	Geo	GEO	У	I	regions.	GR	LE	Lecture

							Introduction to factors affecting			
							the geographical distribution of			
							plants and animals. Offered			
							jointly with the Department of			
							Biological Sciences. Students			
							registering for GEO 684 for three			
							credits attend lectures only;			
					C		registration for GEO 684 for four			
F - II 0007	050/04	(04	D' le	050	Geograph	_	credits requires an additional	CD.		
Fall 2007	GEO684	684	Biogeography	GEO	У	3	laboratory section.	GR	LE	Lecture
							Examination of the nature, tools,			
							methods and techniques of			
							geographic analysis. Emphasis			
							on design, compilation,			
			Geographic		Geograph		interpretation, and presentation			
Fall 2007	GEO685	685	Methodology	GEO	У	5	of research materials.	GR	LE	Lecture
			Continuing		Geograph					Independe
Fall 2007	GEO789	789	Registration	GEO	у	1		GR	IS	nt Study
							Study of the vocabulary and			
							structure of the German			
							language; practice in			
			First Yr				conversation, reading, and			
Fall 2007	GER101	101	German	GER	German	4	writing.	UG	LE	Lecture
							Study of the vocabulary and			
							structure of the German			
							language; practice in			
			First Yr				conversation, reading, and			
Fall 2007	GER102	102	German	GER	German	4	writing.	UG	LE	Lecture
							Study of the vocabulary and			
							structure of the German			
							language; practice in			
			First Yr				conversation, reading, and			
Fall 2007	GER103	103	German	GER	German	4	writing.	UG	LE	Lecture
							Introduction to German with an			
			Essentials of				emphasis on speaking the			
Fall 2007	GER111	111	German	GER	German	4	language.	UG	LE	Lecture

						Introduction to all main points of			
						grammar; practice in recognizing			
						grammatical constructions and			
						using a dictionary; and selected			
						readings of adult-level texts from			
			Cormon for			9			
			German for			various fields. May be taken for			
F 11 0007	050445	445	Read	OED		letter grade or		. –	
Fall 2007	GER115	115	Knowledge	GER	German	4 pass/unsatisfactory.	UG	LE	Lecture
			German			A thorough review of German			
			Grammar			grammar with an emphasis on			
Fall 2007	GER150	150	Review	GER	German	4 oral practice.	UG	LE	Lecture
						Grammar review, reading, and			
						discussion of selected texts with			
			Second Yr			practice speaking and writing the			
Fall 2007	GER201	201	German	GER	German	4 language.	UG	LE	Lecture
						Grammar review, reading, and			
						discussion of selected texts with			
			Second Yr			practice speaking and writing the			
Fall 2007	GER202	202	German	GER	German	4 language.	UG	LE	Lecture
						Grammar review, reading, and			
						discussion of selected texts with			
			Second Yr			practice speaking and writing the			
Fall 2007	GER203	203	German	GER	German	4 language.	UG	LE	Lecture
1 411 2007	GERZOO	200	Scientific	OLIK	Comman	Intensive reading in all areas of	00	LL	Locture
Fall 2007	GER215	215	German	GER	German	4 expository and technical	UG	LE	Lecture
1 411 2007	OLIV213	213	German	OLK	German	Emphasis on the culture of the	00	LL	Lecture
Fall 2007	GER311	311	Conversation	GER	German	4 German-speaking world.	UG	LE	Lecture
Fall 2007	GERSTI	311	Writing in GER		German	4 German-speaking world.	UG	LE	Lecture
Fall 2007	CED211W	211\\\		GER	Cormon		UG	LB	Lob
Fall 2007	GER311W	31100	311	GER	German	0	UG	LB	Lab
F - II 0007	050010	242	German	OED	0	4			
Fall 2007	GER312	312	Conversation	GER	German	4	UG	LE	Lecture
- u 000-	055004	004	German	055					
Fall 2007	GER321	321	Composition	GER	German	4	UG	LE	Lecture
			Writing in						
			German						
Fall 2007	GER321W	321W	Composition	GER	German	0	UG	LB	Lab
			German						
Fall 2007	GER322	322	Composition	GER	German	4	UG	LE	Lecture

							An introduction to the language			
							of business german with insight			
			Business				into Germany's place in the			
Fall 2007	GER325	325	German	GER	German		global economy.	UG	LE	Lecture
							Study of business and culture			
							behind German. Development of			
							communication skills and			
							intercultural understanding. Use			
			Business				of German in international			
Fall 2007	GER326	326	German	GER	German	4	business.	UG	LE	Lecture
							Historical survey of German			
							literature from its beginning to			
							the present. 331: Literature of			
							the Middle Ages, Renaissance,			
							Reformation, Enlightenment, and			
							Storm and Stress. 332:			
			Survey of				Classicism, Romanticism, Poetic			
Fall 2007	GER331	331	German Lit	GER	German	4	Realism, and Modern Period.	UG	LE	Lecture
			Writing in GER							
Fall 2007	GER331W	331W	331	GER	German	0		UG	LB	Lab
							Historical survey of German			
							literature from its beginning to			
							the present. 331: Literature of			
							the Middle Ages, Renaissance,			
							Reformation, Enlightenment, and			
							Storm and Stress. 332:			
			Survey of				Classicism, Romanticism, Poetic			
Fall 2007	GER332	332	German Lit	GER	German	4	Realism, and Modern Period.	UG	LE	Lecture
			Writing in GER							
Fall 2007	GER332W	332W	332	GER	German	0		UG	LB	Lab
							Survey of cultural influences and			
							of political, social, economic,			
			German				religious, educational, and			
Fall 2007	GER351	351	Culture & Civ I	GER	German	4	cultural institutions.	UG	LE	Lecture
			Intr Germanic				Survey of Germanic folklore as it			
Fall 2007	GER361	361	Folklore	GER	German	4	relates to literature.	UG	LE	Lecture

							Problems, approaches, and			
			Studies in				topics in the field of German.			Independe
Fall 2007	GER399	399	Selected Subj	GER	German	1	Topics vary.	UG	IS	nt Study
			Adv Studies:				Topics vary. Conducted in			
Fall 2007	GER403	403	Lang Civiliz	GER	German	4	German.	UG	LE	Lecture
			Writing in GER							
Fall 2007	GER403W	403W	403	GER	German	0		UG	LB	Lab
			Early German				German literature from the			
Fall 2007	GER405	405	Lit	GER	German	4	earliest times to the	UG	LE	Lecture
			Renaissance &				Representative German authors			
Fall 2007	GER406	406	Reformation	GER	German	4	of the period.	UG	LE	Lecture
							Representative German authors			
Fall 2007	GER410	410	Baroque	GER	German	4	of the period.	UG	LE	Lecture
			'				Representative authors in			
			German Lit				Rococo, Enlightenment, and			
Fall 2007	GER415	415	18th Cent	GER	German	4	Storm and Stress.	UG	LE	Lecture
			German Lit				Representative works of Goethe			
Fall 2007	GER416	416	18th Cent	GER	German	4	and Schiller.	UG	LE	Lecture
							Study of the romantic movement			
							with representative works of			
							Schlegel, Novalis, Wackenroder,			
			German				Tieck, Eichendorff, Hoffmann,			
Fall 2007	GER417	417	Romanticism	GER	German	4	and others.	UG	LE	Lecture
							Intensive study of Faust I and			
Fall 2007	GER418	418	Goethe's Faust	GER	German	4	Faust II.	UG	LE	Lecture
							Readings and reports in 19th-			
							century literature.			
							Representative works of			
			German Lit				Eichendorff, Hoffmann, Keller,			
Fall 2007	GER425	425	19th Cent	GER	German	4	Meyer, Storm, Fontane, and	UG	LE	Lecture
							Readings and reports in 19th-			
							century drama. Representative			
			German Lit				works of Tieck, Kleist, Grillparzer,			
Fall 2007	GER426	426	19th Cent	GER	German	4	Hebbel, Buchner, and others.	UG	LE	Lecture

							Readings and reports in 19th- century poetry. Representative			
							works of Heine, Droste-Hulshoff,			
			German Lit				Morike, Dehmel, Liliencron, and			
Fall 2007	GER427	427	19th Cent	GER	German	4	others.	UG	LE	Lecture
							Readings and reports in 20th-			
							century prose. Representative			
			German Lit				works of Hesse, Mann, Kafka,			
Fall 2007	GER431	431	20th Cent	GER	German	4	and others.	UG	LE	Lecture
							Readings and reports in 20th-			
							century drama. Representative			
							works of Schnitzler,			
			German Lit				Hofmannsthal, Kaiser, Toller,			
Fall 2007	GER432	432	20th Cent	GER	German	4	Brecht, and others.	UG	LE	Lecture
							Readings and reports in 20th-			
							century poetry. Representative			
			German Lit				works of Rilke, George, Trakl,			
Fall 2007	GER433	433	20th Cent	GER	German	4	Benn, and others.	UG	LE	Lecture
							Studies of the writings of			
Fall 2007	GER434	434	Thomas Mann	GER	German	4	Thomas Mann.	UG	LE	Lecture
			Hst German							
Fall 2007	GER442	442	Lang	GER	German	4		UG	LE	Lecture
										Independe
Fall 2007	GER450	450	Research	GER	German	1	Topics vary.	UG	IS	nt Study
F-II 0007	OED 404	404	Independent	OED	0		Topics vary. Repeatable for up to		10	Independe
Fall 2007	GER481	481	Rdg Adv Stu	GER	German	4	12 hours.	UG	IS	nt Study
F-II 2007	OFDF11	F11	German	CED	C	4	Emphasis on the culture of the	CD		Lastura
Fall 2007	GER511	511	Conversation	GER	German	4	German-speaking world.	GR	LE	Lecture
Fall 2007	CEDE12	512	German	CED	Cormon	4	Emphasis on the culture of the	CD	l E	Lootumo
Fall 2007	GER512	512	Conversation	GER	German	4	German-speaking world.	GR	LE	Lecture
							Oral and written composition in			
			Cormon				German; translations from			
Fall 2007	GER521	521	German	GER	Cormon	1	English into German. Further	GR	LE	Lecture
raii 2007	GEK521	32 I	Composition	GEK	German	4	grammar study. Oral and written composition in	GK	LC	Lecture
			German				German; translations from			
Fall 2007	GER522	522	Composition	GER	German	1	English into German.	GR	LE	Lecture
ı alı 2007	GLKUZZ	JZZ	COMPOSITION	GLK	Jennan	4	Linguisti into German.	GIV	LL	LECTUIE

			Cormon				Oral and written composition in			
Fall 2007	GER523	523	German	GER	Cormon	4	German; translation from English into German.	GR	LE	Laatura
Fall 2007	GER523	523	Composition	GER	German	4		GK	LE	Lecture
							An introduction to the language			
			Ducinoss				of business with insight into			
F-II 2007	CEDEAL	F0F	Business	CED	C		Germany's place in the global	CD		
Fall 2007	GER525	525	German	GER	German	4	economy. Historical survey of German	GR	LE	Lecture
							3			
			Cumuou of				literature. Classicism,			
F-II 2007	CEDEAA	F22	Survey of	CED	C	4	Romanticism, Poetic Realism and	CD		
Fall 2007	GER532	532	German Lit	GER	German	4	Modern Period.	GR	LE	Lecture
			0				Survey of cultural influences and			
			German				of political, social, economic,			
F 11 0007	050554		Culture &	050			religious, educational and	0.0		
Fall 2007	GER551	551	Civiliz	GER	German	4	cultural institutions.	GR	LE	Lecture
							For teachers of German.			
							Intensive experience designed,			
							through total immersion, to			
							improve language skills			
							(conversation and composition)			
			Foreign Lang				and awareness of German			
Fall 2007	GER590	590	Institute	GER	German	8	civilization and contemporary	GR	LE	Lecture
							Graduate level treatment of			
							problems, approaches and topics			
			Intro to				in the field of German. Topics			
Fall 2007	GER599	599	German Lit	GER	German		vary.	GR	LE	Lecture
							Course content varies. Topic			
			Language				chosen by instructor. Conducted			
Fall 2007	GER603	603	Civilization	GER	German	4	in German.	GR	LE	Lecture
			Writing in GER							
Fall 2007	GER603W	603W	603	GER	German	0		UG	LB	Lab
			German Lit				Representative works of Goethe			
Fall 2007	GER616	616	18th Cent	GER	German	4	and Schiller.	GR	LE	Lecture
							Study of the romantic movement			
							with representative works of			
							Schlegal, Novalis, Wackenroder,			
			German				Tieck, Eichendorff, Hoffman, and			
Fall 2007	GER617	617	Romanticism	GER	German	4	others.	GR	LE	Lecture

							Representative works of Eichendorff, Hoffmann, Keller,			
F-II 0007	050/05	.	Ger Lit 19th	OED	0		Meyer, Storm, Fontane, and	CD.		Lastona
Fall 2007	GER625	625	Cent:Prose	GER	German	4	others.	GR	LE	Lecture
							Readings and reports in			
			Cor Lit 20th				twentieth-century literature.			
Fall 2007	GER631	631	Ger Lit 20th Cent: Prose	GER	Cormon	1	Representative works of Hesse,	GR	LE	Looturo
Fall 2007	GEK031	031	Cent: Prose	GER	German	4	Mann, Kafka, and others.	GK	LC	Lecture
							Readings and reports in			
							twentieth-century literature.			
			Ger Lit 20th				Representative works of Schnitzler, Hofmannsthal, Kaiser,			
Fall 2007	GER632	632	Cent: Drama	GER	Cormon	1		GR	LE	Lecture
Fall 2007	GER032	032	Ind Grad	GEK	German	4	Toller, Brecht, and others.	GK	LC	
Fall 2007	GER650	650	Research	GER	German	1	Titles vary.	GR	IS	Independe nt Study
raii 2007	GEROSO	000	Research	GER	German	<u> </u>	Independent reading for	GK	13	Tit Study
			Ind Read for				graduate students. Repeatable			Independe
Fall 2007	GER681	681	Grad Student	GER	German	1	for up to 12 hours.	GR	IS	nt Study
raii 2007	GEROOI	001	Grad Student	GER	German	4	Introduction to earth materials,	GK	13	Tit Study
							their arrangement (structure),			
							and the changes they undergo			
							(geologic processes). Study of			
							the common minerals and rocks			
							and interpretation of topographic			
			The Planet				maps. 3 hours lecture, 2 hours			
Fall 2007	GL105	105	Earth	GL	Geology	4	lab.	UG	LE	Lecture
1 411 2007	GETOO	100	The Planet	OL	Coology	•	lub.			Lociaro
Fall 2007	GL105L	105L	Earth Lab	GL	Geology	0	Required laboratory for GL 105.	UG	LB	Lab
		1000	Writing in GL		99		Required writing component for			
Fall 2007	GL105W	105W	105	GL	Geology	0	GL 105.	UG	LB	Lab
					3,		Exploration of geological past			
							with some emphasis on North			
							America through interpretation			
							of fossil record. 3 hours lecture,			
			The Evolving				2 hours lab. Recommended			
Fall 2007	GL106	106	Earth	GL	Geology	4	preparation: GL 105.	UG	LE	Lecture
			The Evolving							
Fall 2007	GL106L	106L	Earth Lab	GL	Geology	0	Required laboratory for GL 106.	UG	LB	Lab

			Writing in GL							
Fall 2007	GL106W	106W	106	GL	Geology	0		UG	LB	Lab
							Introduction to geologic hazards,			
							resources and environmental			
							science, demonstrating the			
							interaction of human society with			
							the geologic environment. 3			
							hours lecture and 2 hours lab.			
			The Earth and				Recommended preparation: GL			
Fall 2007	GL107	107	Human Affair	GL	Geology	4	105.	UG	LE	Lecture
			The Earth and							
			Human Affair							
Fall 2007	GL107L	107L	Lab	GL	Geology	0	Required laboratory for GL 107.	UG	LB	Lab
			Writing in GL				Required writing component for			
Fall 2007	GL107W	107W	107	GL	Geology	0	GL 107.	UG	LB	Lab
							Comprehensive treatment of the			
							dynamic systems and materials			
							of the earth. External processes			Lecture/La
			Physical				and resulting land forces are also			b
			Geology				studied. Three hours lecture,			Combinatio
Fall 2007	GL111	111	Honors I	GL	Geology	4.5	three hours lab.	UG	LL	n
							Comprehensive treatment of			
							external and internal processes			
							of the earth and the resulting			
							landforms. Introduction to earth			Lecture/La
			Physical				resources and other earth-like			b
			Geology Hon				planets. Three hours lecture,			Combinatio
Fall 2007	GL112	112	П	GL	Geology	4.5	three hours lab.	UG	LL	n
							Summary of current thought			
							about the earth'sistory from its			
							origin to the present. Topics			
							include movement and evolution			
							of the earth'srust, world climatic			Lecture/La
			Historical				changes, and evolution of plants			b
			Geology -				and animals. Three hours			Combinatio
Fall 2007	GL113	113	Hono	GL	Geology	4.5	lecture, three hours lab.	UG	LL	n

							Research and problems related			
			Directed				to specific needs and talents of			Independe
Fall 2007	GL199	199	Studies	GL	Geology	1	students.	UG	IS	nt Study
			Writing in GL				Required writing component for			
Fall 2007	GL199W	199W	199	GL	Geology	0	GL 199.	UG	LB	Lab
							Hydrology and the distribution			
							and availability of water			
							resources; natural and			
							anthropogenic processes that			
							influence flood and water quality.			
			Hydrology&Wa				3 hours lecture and 2 hours lab.			
Fall 2007	GL201	201	ter Resources	GL	Geology	4	Some lectures are web-based.	UG	LE	Lecture
			Water							
Fall 2007	GL201L	201L	Resources Lab	GL	Geology	0	Required laboratory for GL 201.	UG	LB	Lab
							Comprehensive treatment of the			
							dynamic systems and materials			
							of the earth. External processes			
			Physical GI &				and resulting land forces are also			
Fall 2007	GL251	251	Geomorph I	GL	Geology	3	studied.	UG	LE	Lecture
			Phy GI &							
			Geomorph Lab				Laboratory for mineral and rock			
Fall 2007	GL252	252	1	GL	Geology	1.5	identification in hand specimens.	UG	LB	Lab
							Comprehensive treatment of			
							external and internal processes			
							of the earth and the resulting			
							landforms. Introduction to earth			
			Physical GI &				resources and other earth-like			
Fall 2007	GL253	253	Geomorph II	GL	Geology	3	planets.	UG	LE	Lecture
			Writing in GL							
Fall 2007	GL253W	253W	253	GL	Geology	0		UG	LB	Lab
							Laboratory for topographic and			
							geologic map and geologic cross			
							sections interpretation to			
			Phy Gl &				recognize geological structures			
			Geomorph Lab				and their relation to			
Fall 2007	GL254	254	П	GL	Geology	1.5	geomorphology and landforms.	UG	LB	Lab

GL255	255	Historical Geology	GL	Geology	History of the earth, including geologic history of all of earth s continents. Review of origin of earth, development of the rock record, evolution of diverse life forms to produce a biological and physical history of the earth. Introduction to the fossil record, stratigraphic correlation, and the	UG	LE	Lecture
		Historical			interpretation of simple geologic			
GL256	256	Geology Lab	GL	Geology	1.5 maps.	UG	LB	Lab
GL304	304	Earth Res & Env Quality	GL	Geology	study of earth resources as the economic base of civilization. Natural geologic processes and geochemical cycles of global change are compared with human-induced impact on environment. Emerging trends in technology and policy matters and their influence on 3 environmental quality are	UG	LE	Lecture
01.00.41	0041	Earth						
		Paleo and		- Cy	The geology of Ohio is explored. Field trips provide an understanding of the various rock formations, the history of life preserved in their fossils, and their importance to the economy			Lab
	GL256	GL256 256 GL304 304 GL304L 304L	GL255 255 Geology Historical Geology Lab GL304 304 Earth Res & Env Quality GL304L 304L Resources Lab Paleo and	GL255 255 Geology GL Historical Geology Lab GL GL304 304 Earth Res & Env Quality GL Earth Resources Lab GL Paleo and	GL255 255 Geology GL Geology GL256 256 Historical Geology Lab GL Geology GL304 304 Earth Res & Env Quality GL Geology GL304L 304L Resources Lab GL Geology Paleo and	GL255 255 Geology GL Geology 3 and physical history of the earth. Historical GL256 256 Geology GL Geology 3 and physical history of the earth. Historical GL256 256 Geology Lab GL Geology 1.5 GEOLOGY STATE PROPERTY OF TH	GL255 255 Geology GL Geology 3 and physical history of the earth. Geology and policy meters and their influence on environment. Bearth Res & GL304L 304L Resources Lab GL Geology GL Geology GL Geology GL Geology GL Geology GL Geology GL Geology GL Geology GL Geology GL Geology GL Geology GL Geology GL Geology GL Geology GL Geology GL256 Geology Gl256	GL255 255 Geology GL Geology 3 and physical history of the earth. UG LE Historical Geology GL Geology 3 and physical history of the earth. UG LE Introduction to the fossil record, stratigraphic correlation, and the interpretation of simple geologic Historical Geology 1.5 maps. GL256 256 Geology Lab GL Geology 1.5 maps. UG LB Study of earth resources as the economic base of civilization. Natural geologic processes and geochemical cycles of global change are compared with human-induced impact on environment. Emerging trends in technology and policy matters and their influence on GL304 304 Env Quality GL Geology 3 environmental quality are UG LE GL304L 304L Resources Lab GL Geology 0 Required laboratory for GL 304. Field trips provide an understanding of the various rock formations, the history of life preserved in their fossils, and their importance to the economy

						Hammela from moderic moderials			
						Hazards from geologic materials:			
						reactive minerals, the asbestos			
						controversy, radioactive and			
						toxic gases. Hazards from			
						geologic processes: earthquakes,			
						volcanic eruptions, slope			
						processes, subsidence, floods,			
						and coastal hazards. Geologic			
						hazards monitoring, mitigation,			
						and avoidance. Risk evaluation.			
			GI Hazrd &			Three hours lecture, two hours			
Fall 2007	GL309	309	Envirn Qual	GL	Geology	4 lab or field trip.	UG	LE	Lecture
			Gl Haz &		33	, , , , , , , , , , , , , , , , , , ,			
			Envirn Qual						
Fall 2007	GL309L	309L	Lab	GL	Geology	0 Required laboratory for GL 309.	UG	LB	Lab
					03	(Also listed as BIO 310, CHM			
						310, PHY 310, and MTH 310.) A			
			Issues in			writing-intensive course dealing			
Fall 2007	GL310	310	Science	GL	Geology	3 with issues in science.	UG	LE	Lecture
						Morphology, geologic record,			
						and geographic distribution of			
						major vertebrate and plant			
						groups characterized by			
			Fossil Vertebrt			significant fossil respresentation.			
Fall 2007	GL342	342	& Plants	GL	Geology	4.5 Three hours lecture, three hours	UG	LE	Lecture
						Accelerated treatment of			
						principles of physical and			
						historical geology pertinent to			
						teaching students in grade			
						school (K-8). Includes laboratory			
						exercises that will be effective			
						for teaching K-8 students and			Lecture/La
						can be used in a self-contained			b
			Concepts in			classroom. Elementary education			Combinatio
Fall 2007	GL345	345	Geology	GL	Geology	4.5 majors only.	UG	LL	n

						Investigation of the processes			
						that affect volcanic eruptions,			
						global warming, ice ages, and			
						how they affect the rest of the			
						world. Study of the relationships			
						between the atmosphere,			
						biosphere, geosphere, and			
Fall 2007	GL346	346	Earth Systems	GI	Geology	4.5 hydrosphere.	UG	LE	Lecture
1 411 2007	GLOTO	0.10	Lui tii Oystoilis	OL.	Geology	Introduction to symmetry of			Locialo
			Earth Matl I:			crystals, crystal structure and			
Fall 2007	GL380	380	Crystallog	GL	Geology	1 crystal morphology.	UG	LB	Lab
1 411 2007	02000	000	orystanog	02	Goology	Study of the structure,			Lub
						symmetry, and composition of			
						minerals and the composition,			
						classification, and origin of rocks.			
			Earth Matl I:			Lab emphasizes mineral and rock			
Fall 2007	GL381	381	Mins & Rocks	GL	Geology	4.5 identification.	UG	LE	Lecture
						Introduction to the optical			
						properties of common minerals.			
						Survey of sedimentary rocks in			Lecture/La
						hand specimen, thin section, and			b
			Earth Matl II:			field occurrence. Three hours			Combinatio
Fall 2007	GL383	383	Sed Petro	GL	Geology	4.5 lecture, three hours lab.	UG	LL	n
						Clastic and carbonate			
						sedimentary rocks, their			
						mineralogy, texture, provenance,			
						and classification. Fluid flow			
						sediment transport and			
						deposition, sedimentary			Lecture/La
						structures, and depositional			b
			Earth Matl III:			environments. Three hours			Combinatio
Fall 2007	GL384	384	Sedtolgy	GL	Geology	4.5 lecture, three hours lab.	UG	LL	n

Fall 2007	GL385	385	Igneous & Metamor Petrol	GL	Geology	4.5	Origin of igneous and metamorphic rocks. Lab: use of thin sections and hand specimens for mineral identification, rock structures, and classifications. Three hours lecture, three hours lab. Research problems for specific	UG	LL	Lecture/La b Combinatio n
Fall 2007	CL 200	200	Special Problems	CI	Coology	1	needs and talents of students.	UG	IS	Independe
Fall 2007	GL399	399	GL Lit & Reserach	GL	Geology		Topics vary.	UG	15	nt Study
Fall 2007	GL403	403	Methods	GL	Geology	2		UG	LE	Lecture
			Grnd-Water Monitor &				Principles of groundwater monitoring and cleanup system design. Theory and field practices for monitoring well drilling/installation, lysimeter installation for natural and contaminated groundwater, etc. Field visits to sites with contaminated aquifers			
Fall 2007	GL405	405	Rem	GL	Geology	4	undergoing remediation.	UG	LE	Lecture
							Fundamentals of oceanography for students with an understanding of scientific principles. The course includes content that is needed by earth science teachers. Students will use the Internet and some basic			
Fall 2007	GL410	410	Oceanograph	y GL	Geology	4	computer applications.	UG	LE	Lecture

							Study of the structure of the			
							earth as revealed by solid earth			
							geophysics and dynamics of			
							internal geologic processes, and			
							of the large scale tectonic			
							structure of the North American			
							continent obtained through the			
			Regional				Decade of North American			
Fall 2007	GL420	420	Tectonics	GL	Geology		Geology Project.	UG	LE	Lecture
1 411 2007	GL420	720	rectornes	OL.	Geology	•	(Also listed as see PHY 422.)	00		Lecture
i							Introduction to gravity,			
							magnetic, seismic, and electrical			
			Intr Applied				methods of subsurface			
Fall 2007	GL422	422	Geophysics	GL	Geology	,	investigation. Three hours	UG	LE	Lecture
1 411 2007	OL 122	122	Intr	OL.	Geology	`	investigation. These nodes			Loctaro
			Geophysics							
Fall 2007	GL422L	422L	Prospect Lab	GL	Geology	(Required laboratory for GL 422.	UG	LB	Lab
			·				Study of the theory, observation,			
							and analysis of seismic			
							phenomena as applied to			
			Seismic				geologic exploration. Three			
Fall 2007	GL423	423	Methods	GL	Geology	4	hours lecture, two hours lab.	UG	LE	Lecture
			Seismic							
Fall 2007	GL423L	423L	Methods Lab	GL	Geology	(Required laboratory for GL 423.	UG	LB	Lab
							(Listed jointly with PHY 425)			
			Concepts in				Special topics in geophysics. 3			
Fall 2007	GL425	425	Geophysics	GL	Geology	4	hours lecture, 2 hours lab.	UG	LE	Lecture
							Literature survey and			
			Geophysics				presentations by students on			
Fall 2007	GL426	426	Seminar	GL	Geology		selected topics in geophysics.	UG	SE	Seminar
							Selected geological topics			
							discussed by students, guest			
							speakers, and faculty. May be			
			Geology				taken for letter grade or			
Fall 2007	GL428	428	Colloquium	GL	Geology	0.!	pass/unsatisfactory.	UG	LE	Lecture

							The principles and practices of acquisition and interpretation of			
							data from electrical and			
			Elec Methods				electromagnetic geophysical			
Fall 2007	GL431	431	in Env Geop	GL	Geology	4	techniques.	UG	LE	Lecture
							Interpretation of ancient and			
							modern carbonate systems using			
							sequence stratigraphic principles.			
							Carbonate facies models as			
							predictive tools for hydrocarbon			
			Sed Syst &				exploration and aquifer			
i			Seq:Carbonate				modeling. Composition, origin,			
Fall 2007	GL432	432	S	GL	Geology	4.5	and diagenesis of carbonate	UG	LE	Lecture
			Carb Sedim &							
Fall 2007	GL432L	432L	Petrol Lab	GL	Geology	0	Required laboratory for GL 432.	UG	LB	Lab
							Geophysical research			
							participation in a project of the			
							department. The content and			
							techniques will depend on the			
							particular project, but will			
							normally have an extensive			
							component of field data			
			Geophys Field				acquisition. May be repeated for			
Fall 2007	GL433	433	Research	GL	Geology	1	credit. May be taken for a letter	UG	LE	Lecture
							Geologic phenomena illustrated			
							in the field. Introduction of			
							mapping techniques and			
							application of many geological			
Fall 2007	GL434	434	Field Geology	GL	Geology	9	disciplines to geologic analysis.	UG	LE	Lecture
			Field Geology							
Fall 2007	GL434L	434L	Lab	GL	Geology	0	Required laboratory for GL 434.	UG	LB	Lab
							Theory and application of			
							petrographic techniques to			
							studies of carbonate and clastic			
							rocks, with emphasis on			
			Diagenesis of				diagenesis and porosity			
Fall 2007	GL436	436	Sed Rocks	GL	Geology	3	development.	UG	LE	Lecture

			Subsurface			and ground penetrating radar b data. Two hours lecture, four Com	ture/La
Fall 2007	GL437	437	Imaging	GL	Geology	4 hours lab. UG LL n	
Fall 2007	GL438	438	Seismic Interpretation	GL	Geology	Interpretation methods for seismic reflection data are studied with emphasis on structural and stratigraphic 3 interpretation for petroleum UG LE Lect	ture
	02.00		Seismic	-	Coolegy	and the production of post-orders	
Fall 2007	GL438L	438L	Interpret Lab	GL	Geology	0 Required laboratory for GL 438. UG LB Lab	
			Formation			Theory, application, and interpretation of geophysical logs with emphasis on their use in correlation and determination of porosity, permeability, and fluid content of subsurface formations. Three hours lecture,	
Fall 2007	GL444	444	Analysis	GL	Geology	4 two hours lab. UG LE Lect	ture
			Petroleum			Hydrocarbon source rocks, maturation, and migration. Reservoir rocks and traps. Fluids in the reservoir: gas, oil, water, and relationships. Exploration for and production of hydrocarbons. Review of major petroleum	
Fall 2007	GL445	445	Geology	GL	Geology	4 basins and deposits. UG LE Lect	ture
Fall 2007	GL446	446	Sequence Stratigraphy	GL	Geology	Provides a firm grounding in the mechanisms that produce sealevel change, how sediments respond to these changes, and how the architecture of basins 3 develop over time. UG LE Lect	tura

							Provides a fundamental			
							understanding of basic			
							hydrological principles including			
							ground water flow and			
							9			
							chemistry, surface water			
							hydrology, unsaturated flow, and			
							meteorology. Students are			
							expected to understand basic			
Fall 2007	GL450	450	Hydrogeology	GL	Geology	4	physics and calculus.	UG	LE	Lecture
							Covers the occurrence and			
							movement of ground water, and			
							the advection and dispersion of			
							contaminants in groundwater			
							flow regimes. Lab introduces			
							interpreting the hydraulic			Lecture/La
							properties of groundwater flow			b
			Grnd Water				regimes from field data. Three			Combinatio
Fall 2007	GL454	454	Flw and Trans	GL	Geology	4	hours lecture, two hours lab.	UG	LL	n
							Focuses on the chemical			
							interactions between natural			
							waters and their geologic			
							environments. Included are			
							chemical principles, carbonate			
							system, silicate equilibria and			
							weathering, redox reactions,			
			Hydrogeoche				isotope hydrology, and			
Fall 2007	GL455	455	mistry	GL	Geology	4	hydrogeochemical modeling.	UG	LE	Lecture
							Study of the concepts,			
							terminology, data models, and			
							basic analytical functions of			
							Geographic Information System			
							and its applications to solving			
							environmental and geologic			
							problems. ArcGIS is used for			
			Geol/Environ				hands-on exercises and a class			
Fall 2007	GL461	461	App of GIS	GL	Geology	4	project.	UG	LE	Lecture
Fall 2007	GL461L	461L	GL Lab	GL	Geology	0		UG	LB	Lab

			Process Geomorpholog			Study of the processes that create and modify landforms. Classifications of landforms and what they reveal of past geologic
Fall 2007	GL462	462	у	GL	Geology	4 processes and climates. UG LE Lecture
			Geol/Env Remote			The use of aerial photographs, satellite and radar images for geological mapping, exploration of mineral resources, hydrogeology, hazard monitoring, environmental
Fall 2007	GL463	463	Sensing	GL	Geology	4 problems, and land use UG LE Lectu
- 11 0007		14.01	Gl Applic Remote			
Fall 2007	GL463L	463L	Sensing	GL	Geology	0 Required laboratory for GL 463. UG LB Lab
Fall 2007	GL468	468	Groundwater Contamination		Carlany	Behavior of organic and inorganic pollutant in the vadose zone and saturated subsurface including vapor migration, dissolution, and sorption of LNAPLs and DNAPLs; chemical and microbiological degradation; and fate of chlorinated and other 4 hydrocarbons. Behavior of organic and subsurface including vapor migration, dissolution, and sorption of LNAPLs and DNAPLs; chemical and microbiological degradation; and fate of chlorinated and other
FAII 2007	GL408	400	Site	GL	Geology	4 hydrocarbons. Chemical and microbiological degradation of pollutants in subsurface. Diagnosis and assessment of contaminated sites. Concepts and techniques for LNAPL and DNAPL remediation: pump and-treat, soil vapor extraction, bioventing/airsparging, chemical treatment, solvent extraction,
Fall 2007	GL469	469		GL	Geology	3 and bioremediation. UG LE Lectu

							Introduction to environmental organic pollutants. Concepts in behavior of pollutants: vapor pressure, solubility, air-water and solvent-water partitioning, dissociation in water, and			
			Em dinamental				sorption to solids. Chemical and			
F-II 2007	CL 470	470	Environmental		Caalaan	4	microbial degradation of organic	110		1 4
Fall 2007	GL470	470	Geochemist	GL	Geology	4	pollutants. Modeling concepts.	UG	LE	Lecture
							Principles, rules, and techniques			
							of correlation. Relationships			
							between surface and subsurface			
							correlation. Geologic and			
							geophysical correlation			
F-II 2007	CL 40F	405	Churchiana a la .	CI	Caalaan	4 5	techniques. Three hours lecture,	110		l t
Fall 2007	GL485	485	Stratigraphy	GL	Geology	4.5	three hours lab.	UG	LE	Lecture
F 11 0007	01.4051	4051	Stratigraphy			•	D : 111 1 1 6 01 405		. 5	
Fall 2007	GL485L	485L	Lab	GL	Geology	0	Required laboratory for GL 485.	UG	LB	Lab
F 11 0007	01.40514/	405147	Writing in GL			•				
Fall 2007	GL485W	485W	485	GL	Geology	0		UG	LB	Lab
							Morphology, geologic record,			
							and geographic distribution of			
							major invertebrate groups			
							characterized by significant fossil			
F - II 0007	CL 407	407	Invertebrate	CI.	0 1	4 5	representation. Three hours			
Fall 2007	GL486	486	Paleontology	GL	Geology	4.5	lecture, three hours lab.	UG	LE	Lecture
F 11 0007	01.4071	4071	Invertebrate			•	D : 111 1 5 01 404		. 5	
Fall 2007	GL486L	486L	Paleo Lab	GL	Geology	0	Required laboratory for GL 486.	UG	LB	Lab
			Later				Concepts of stress, strain, and			Lecture/La
			Intro				material behavior used to			b
F 11 000=	01.400	400	Structural				describe and explain how rocks			Combinatio
Fall 2007	GL488	488	Geology	GL	Geology	4.5	deform, depositional structures.	UG	LL	n
							Course is designed to give			
							undergraduate majors			<u> </u>
			Teaching				experience in teaching laboratory			Independe
Fall 2007	GL491	491	Experience	GL	Geology	2	sections of geology courses.	UG	IS	nt Study

						Students participate in research data collection and data analysis.			
			Senior Thesis			Students write a senior thesis in			Independe
Fall 2007	GL496	496	Research	GL	Geology	1 the style of a professional	UG	IS	nt Study
						Research problems for specific			
						needs and talents of students.			
						May be taken for letter grade or			
			Special			pass/unsatisfactory at the			Independe
Fall 2007	GL499	499	Problems	GL	Geology	0.5 department's option.	UG	IS	nt Study
						Research and problems designed			
			Special			for specific needs and talents of			Independe
Fall 2007	GL599	599	Problems	GL	Geology	1 the students.	GR	IS	nt Study
						Study of Earth Resources as the			
						economic base of civilization.			
						Natural geologic processes and			
						geochemical cycles of global			
						change are compared with			
						human-induced impact on the			
						environment. Emerging trends in			
			B			technology and policy matters			
F-II 0007	01.404		Earth Res &		0 1	and their influence on	CD.		1 1
Fall 2007	GL604	604	Env Quality	GL	Geology	3 environmental quality are	GR	LE	Lecture
						Study of the principles of ground			
						water monitoring and cleanup			
						system design. Theory and field			
						practices for monitoring well			
						drilling/installation, lysimeter installation for natural and			
						contaminated groundwater, etc.			
						Field visits of sites with			
			Grns-Water			contaminated aquifers			
			Monitor &			undergoing remediation. Graded			
Fall 2007	GL605	605	Rem	GL	Geology	4 pass/unsatisfactory.	GR	LE	Lecture

			Earth Science				Sources and forms of energy operating on the earth and the effects of these operations on the origin, history, and evolution of the earth. 3 hours lecture, 3			
Fall 2007	GL606	606	for Tchrs	GL	Geology	4.5	hours lab.	GR	LE	Lecture
			Earth Sci for							
Fall 2007	GL606L	606L	Teachr Lab	GL	Geology	0	Required laboratory for GL 606.	GR	LB	Lab
Fall 2007	GL607	607	Earth Science by Inquiry	GL	Geology	4.5	The sources and forms of energy operating on the earth and the effects of these operations on the origin, history, and evolution of the earth. 3 hours lecture, 3 hours lab. This course cannot be applied toward the M.S. degree in Geology.		LL	Lecture/La b Combinatio n
Fall 2007	GL609	609	Gl Hazrd & Envirn Qual	GL	Geology		Hazards from geologic materials: reactive minerals, the asbestos controversy, radioactive and toxic gasses. Hazards from geologic processes: earthquakes, volcanic eruptions, slope processes, subsidence, floods, coastal hazards. Geologic hazards monitoring, mitigation, and avoidance. Risk evaluation. 3 hours lecture, 3 hours lab.		LE	Lecture
			Environmental							
Fall 2007	GL609L	609L	GlLab	GL	Geology	0	Required laboratory for GL 609.	GR	LB	Lab
Fall 2007	GL610	610	Oceanography		Geology		Fundamentals of oceanography for students with an understanding of scientific principles. The course includes content that is needed by earth science teachers. Students will use the Internet and some basic computer applications.	GR	LE	Lecture

							Geometry of the structural			
			Structural				features of rocks, their geographic distribution, and			
Fall 2007	GL611	611	Geology	GL	Geology	15	S S .	GR	LE	Lecture
Fall 2007	GLOTT	011	Structural	GL	Geology	4.5	possible causes. 3 Hours lecture,	GK	LE	Lecture
Fall 2007	GL611L	611L	Geology Lab	GL	Geology	0	Required laboratory for GL 611.	GR	LB	Lab
1 411 2007	OLOTTE	OTTE	Geology Lab	OL.	Geology		Analysis of the impact of	OI C	LD	Lub
							geologic phenomena			
							(earthquakes, volcanoes, sea-			
							level changes etc.) on the earth's			
							atmosphere, lithosphere,			
							biosphere, and hydrosphere;			
			Global Change				development of classroom			
Fall 2007	GL615	615	for Tchrs	GL	Geology	4.5	applications in earth system	GR	LE	Lecture
	020.0	0.0			Jees.egj		Study the distribution and	0.1		200100
							quantity of fresh water on Earth,			
							the chemical and physical			
							processes that affect the			
							movement and quality of natural			
			Water and the				water, and the impact of human			
Fall 2007	GL618	618	Environment	GL	Geology	3	activities on water resources.	GR	LE	Lecture
							Study of the structure of the			
							Earth as revealed by solid earth			
							geophysics and dynamics of			
							internal geologic processes, and			
							of the large-scale tectonic			
							structure of the North American			
							continent obtained through the			
			Regional				Decade of North American			
Fall 2007	GL620	620	Tectonics	GL	Geology	3	Geology Project.	GR	LE	Lecture
							Introduction to gravity,			
			Intr Applied				magnetic, seismic, and electrical			
Fall 2007	GL622	622	Geophysics	GL	Geology	5	methods of subsurface	GR	LE	Lecture
			Intr Appl							
			Geophysics							
Fall 2007	GL622L	622L	Lab	GL	Geology	0	Required laboratory for GL 622.	GR	LB	Lab

						Theory, observation, and			
			Seismic			analysis of seismic phenomena as applied to geologic			
Fall 2007	GL623	623	Methods	GL	Geology	4 exploration. 2 hours lecture, 4	GR	LE	Lecture
1 all 2007	GLUZS	023	Seismic	GL	Geology	4 exploration. 2 flours lecture, 4	GK	LL	Lecture
Fall 2007	GL623L	623L	Methods Lab	GL	Geology	0 Required laboratory for GL 623.	GR	LB	Lab
			Topical Conc		33	Special topics in geophysics. 3			
Fall 2007	GL625	625	Geophysics	GL	Geology	4 hours lecture, 2 hours lab.	GR	LE	Lecture
			Top Conc Geophysics						
Fall 2007	GL625L	625L	Lab	GL	Geology	0 Required laboratory for GL 625.	GR	LB	Lab
						Literature survey and student			
İ						presentations on selected topics			
			Geophysics			in geophysics. Graded			
Fall 2007	GL626	626	Seminar	GL	Geology	1 pass/unsatisfactory.	GR	LE	Lecture
						Selected geological topics			
						discussed by students, guest			
			Coology			speakers, and faculty. May be			
Fall 2007	CL / 20	628	Geology	CI	Coology	taken for letter grade or	GR	LE	Looturo
Fall 2007	GL628	028	Colloquium	GL	Geology	0.5 pass/unsatisfactory. The principles and practices of	GK	LE	Lecture
						acquisition and interpretation of			
						data from electrical and			
			Elec Methods			electromagnetic geophysical			
Fall 2007	GL631	631	in Env Geop	GL	Geology	4 techniques.	GR	LE	Lecture
					3,3	Interpretation of ancient and			
						modern carbonate systems using			
						sequence stratigraphic principles.			
						Carbonate facies models as			
						predictive tools for hydrocarbon			
			Sed Syst &			exploration and aquifer			
			Seq:Carbonate			modeling. Composition, origin,			
Fall 2007	GL632	632	S	GL	Geology	4.5 and diagenesis of carbonate	GR	LE	Lecture
			Carb Sedim &						
Fall 2007	GL632L	632L	Petrol Lab	GL	Geology	0 Required laboratory for GL 632.	GR	LB	Lab

							Geophysical research			
							participation in a project of the			
							department. Content and			
							techniques will depend on the			
							particular project, but will			
							normally have an extensive			
							component of field data			
			Geophys Field				acquisition. May be taken for			
Fall 2007	GL633	633	Research	GL	Geology	1	letter grade or	GR	LE	Lecture
					3,		Geologic phenomena illustrated			
							in the field. Introduction of			
							mapping techniques and the			
							application of many geologic			
Fall 2007	GL634	634	Field Geology	GL	Geology	9	disciplines to geologic analysis.	GR	LE	Lecture
			Field Geology							
Fall 2007	GL634L	634L	Lab	GL	Geology	0	Required laboratory for GL 634.	GR	LB	Lab
							Theory and application of			
							petrographic techniques to			
							studies of carbonate and clastic			
							rocks, with emphasis on			
							diagenesis and porosity			
			Diagenesis of				development. 2 hours lecture, 2			
Fall 2007	GL636	636	Sed Rocks	GL	Geology	3	hours lab.	GR	LE	Lecture
			Diagen Sed							
Fall 2007	GL636L	636L	Rocks Lab	GL	Geology	0	Required laboratory for GL 636.	GR	LB	Lab
							Digital processing and			Lecture/La
							visualization of seismic reflection			b
			Subsurf Dig				and ground penetrating radar			Combinatio
Fall 2007	GL637	637	Imag & Proces	GL	Geology	4	data. 2 hours lecture, 4 hours	GR	LL	n
							Interpretation methods for			
							seismic reflection data are			
			Calanala				studied with emphasis on			
F-II 0007	01.400	400	Seismic	CI.	0 1	2	structural and stratigraphic	CD.	. –	1 1
Fall 2007	GL638	638	Interpretation	GL	Geology	3	interpretation for petroleum	GR	LE	Lecture
Fall 2007	CL (201	(20)	Seismic	CI	Caalagu	^	Degratined laboratory for CL (20	CD	LD	Lob
Fall 2007	GL638L	638L	Interpret Lab	GL	Geology	U	Required laboratory for GL 638.	GR	LB	Lab

						Theory, application, and interpretation of geophysical logs with emphasis on their use in correlation and determining			Lecture/La
						porosity, permeability, and fluid			b
			Formation			content of subsurface			Combinatio
Fall 2007	GL644	644	Analysis	GL	Geology	4 formations. 3 hours lecture, 2	GR	LL	n
						Provides a firm grounding in: the			
						mechanisms that produce sea-			
						level change, how sediments			
						respond to these changes, and			
			Sequence			how the architecture of basins			
Fall 2007	GL646	646	Stratigraphy	GL	Geology	3 develop over time.	GR	LE	Lecture
						Provides a fundamental			
						understanding of basic			
						hydrological principles including			
						ground water flow and			
						chemistry, surface water			
E !! 0007	01.450					hydrology, unsaturated flow, and	0.5	. –	
Fall 2007	GL650	650	Hydrogeology	GL	Geology	4 meteorology.	GR	LE	Lecture
						Covers the occurrence and			
						movement of ground water, and			
						the advection and dispersion of			
						contaminants in ground water			
						flow regimes. Lab introduces			
						interpreting the hydraulic			Lecture/La
			Correct Market			properties of ground water flow			D
E 11 0007	01.454		Grnd Water			regimes from field data. 3 hours	0.0		Combinatio
Fall 2007	GL654	654	Flw and Trans	GL	Geology	4 lecture, 2 hours lab.	GR	LL	n

						Lectures focus on the chemical interactions between natural waters and their geologic environments. Included are chemical principles, carbonate system, silicate equilibria and			
						weathering, and redox reactions. Isotope hydrology and			Lecture/La
						hydrochemical modeling are also			b
			Hydrogeoche			introduced. 3 hours lecture, 2			Combinatio
Fall 2007	GL655	655	mistry	GL	Geology	4 hours lab.	GR	LL	n
						Study the concepts, terminology,			
						data models, and basic analytical			
						functions of geographic			
						information system and its			
						applications to solving			
						environmental and geologic problems. ArcGIS is used for			
			Geol/Environ			hands-on exercises and a class			
Fall 2007	GL661	661	App of GIS	GL	Geology	4 project.	GR	LE	Lecture
			, , , , , , , , , , , , , , , , , , ,			Study of the processes that			
						create and modify landforms;			
			Process			classification of landforms and			
			Geomorpholog			what they reveal of past geologic			
Fall 2007	GL662	662	у	GL	Geology	4 processes and climates.	GR	LE	Lecture
						The use of aerial photographs,			
						satellite and radar images for			
						geological mapping, exploration			
						of mineral resources,			
			Ol Assalla a S			hydrogeology, hazard			
F-II 2007	01//0	(()	Gl Applic of	CI	Caalaan	monitoring, environmental	CD		Lastina
Fall 2007	GL663	663	Remote Sens	GL	Geology	4 problems, and land use	GR	LE	Lecture

			Ground Water			Study of organic and inorganic pollutants in the groundwater. Behavior of organic pollutants in vadoze zone and saturated subsurface: vapor migration, dissolution, and sorption of LNAPL and DNAPL constituents. Chemical microbiological degradation, and fate of chlorinated and other			
Fall 2007	GL668	668	Contamination	GI	Geology	4 hydrocarbons.	GR	LE	Lecture
			Site			Study of chemical and microbiological degradation of pollutants in the subsurface. Diagnosis and assessment of contaminated sites. Concepts and techniques for LNAPL and DNAPL remediation: pump-and-treat, soil vapor extraction, bioventing/airsparging, chemical treatment, solvent extraction,			
Fall 2007	GL669	669	Remediation	GL	Geology	3 and bioremediation.	GR	LE	Lecture
			Environment			Introduction to environmental organic pollutants. Concepts in behavior of pollutants: vapor pressure, solubility, air-water and solvent-water, partitioning, and sorption to solids. Chemical and microbial degradation of			
Fall 2007	GL670	670	Geochemistry	GL	Geology	4 organic pollutants. Modeling	GR	LE	Lecture

							Study of crystal properties and			
							crystal classes including			
							approximately 100 important			
							minerals. Laboratory includes			
							stereoscopic and gnomic			
							projections to identify crystal			Lecture/La
			Mineral &				forms; physical properties to			b
			Crystallograph				identify minerals in hand sample.			Combinatio
Fall 2007	GL681	681	V	GL	Geology		3 hours lecture, 6 hours lab.	GR	LL	n
			,		3,7,7,9		Introduction to the optical			
							properties of common minerals.			
							Survey of sedimentary rocks in			Lecture/La
							hand specimen, thin section, and			b
			Sedimetnary				field occurrence. 3 hours lecture,			Combinatio
Fall 2007	GL683	683	Petrology	GL	Geology	4.5	3 hours lab.	GR	LL	n
			- 33		33		Study the origin of igneous and			
							metamorphic rocks. Thin			
							sections and hand specimens are			
							used in the laboratory for			Lecture/La
			Igneous &				mineral identification, rock			b
			Metamor				structures, and classification. 3			Combinatio
Fall 2007	GL684	684	Petrol	GL	Geology	4.5	hours lecture, 3 hours lab.	GR	LL	n
							Principles, rules, and techniques			
							of correlation. Relationships			
							between surface and subsurface			
							correlation. Geologic and			
							geophysical correlation			Lecture/La
							techniques are emphasized in			b
							the laboratory. 3 hours lecture, 3			Combinatio
Fall 2007	GL685	685	Stratigraphy	GL	Geology	4.5	hours lab.	GR	LL	n
							Morphology, geologic record,			
							and geographic distribution of			
							major invertebrate groups			Lecture/La
							characterized by significant fossil			b
			Invertebrate				representation. 3 hours lecture,			Combinatio
Fall 2007	GL686	686	Paleontology	GL	Geology	4.5	3 hours lab.	GR	LL	n

						Objection and a the improved and	$\overline{}$
						Clastic rocks, their mineralogy,	
						texture, provenance, and	
						classification; nonclastic	
						carbonates and other nonclastic	
						rocks; and depositional	
						environments and sedimentary	
						structures. 3 hours lecture, 2	cture/La
						hours lab. Completion of an b	
						·	mbinatio
Fall 2007	GL687	687	Sedimentology	GL	Geology	4 stratigraphy is required. GR LL n	
			39		33	Research and problems designed	
						for specific needs and talents of	
						the students. May be taken for a	
			Special				depende
Fall 2007	GL699	699	Problems	GL	Geology		Study
1 411 2307	02077	0,,	1100101113	OL.	Coology	Research and problems designed	oracy
						for specific needs and talents of	
						the students. May be taken for a	
			Special			letter grade or	
Fall 2007	GL699	699	Problems	GL	Geology		cture
1 411 2007	GLU77	077	TTODICTIS	GL	deology	A survey of available	sture
						instructional materials and	
						discussion of educational theory	
			Prin			and techniques leading to more	
			Instruction			effective instruction. For	
Fall 2007	GL700	700		GL	Coology		atura
Fall 2007	GL/00	700	Geology	GL	Geology	1 graduate teaching assistants GR LE Le Case studies of	cture
						hydrogeochemistry in regional	
						aquifer systems and current	
						topics of interest, such as	
						organic geochemistry of natural	
						and contaminated waters, acidic	
			Advanced			mine water, wetland	
			Hydrogeoche			geochemistry, and	
Fall 2007	GL712	712	mistry	GL	Geology	4 hydrogeochemistry of non-point GR LE Le	cture

Fall 2007	GL720	720	Isotope Hydrology	GL	Geology	Theories and applications of environmental isotopes to hydrologic studies. Both stable isotopes (oxygen, hydrogen, carbon, strontium, nitrogen, sulfur) and radioactive nuclides 3.5 (H-3, C-14, Cl-36) will be GR LE Lecture
Fall 2007	GL748	748	Aquifer Test Analysis Lab	GL	Geology	This laboratory provides hands- on experience in analyzing and interpreting data from aquifer tests. Case-study data sets are used that come from confined, unconfined, fractured, bounded, leaking, and partially penetrated formations. Constant rate, variable rate, and slug tests are covered. May be taken for letter 2 grade or pass/unsatisfactory. GR LB Lab
Fall 2007	GL749	749	Adv Grnd Water Flow Trans	GL	Geology	Second-level course in subsurface fluid flow, providing the theoretical background necessary to solve problems involving ground water flow, well hydraulics, aquifer characterization, and 3 contaminant transport. GR LE Lecture

							Use of numerical modeling			
							methods, including finite			
							differences and finite elements in			
							solving problems related to			
							ground water flow and mass			
							transport. Emphasis is on the			
							theory including development of			
							well-posed boundary-value			
							problems, development of the			
							numerical scheme, and choice of			
							solution algorithms. Students			
							write explicit and implicit finite			
							difference codes, as well as a			
			Numerical				finite element code to solve two-			
Fall 2007	GL750	750	Analy Geology	GL	Geology	4.5	dimensional flow problems.	GR	LE	Lecture
							The first half of the course			
							introduces the techniques used			
							in constructing and applying			
							mathematical models of ground			
							water flow. The second half			Lecture/La
							features the use of the USGS 3-D			b
			Grondwater				flow model. 3 hours lecture, 2			Combinatio
Fall 2007	GL751	751	Flow Modeling	GL	Geology	3	hours lab.	GR	LL	n
							Introduces students to several			
							computer programs that have			
							been developed to aid in the			
							understanding of ground water			
							geochemistry. Includes programs			Lecture/La
							for mass balancing, speciation,			b
			Hydrogeoche				and ground water simulation. 3			Combinatio
Fall 2007	GL754	754	mical Modeling	GL	Geology	4	hours lecture, 2 hours lab.	GR	LL	n
							This seminar-style course			
							introduces students to different			
							project options, discussion of			
			MST Project				project formats, and			
Fall 2007	GL780	780	Development	GL	Geology	2	development of individual	GR	LE	Lecture

							Students will develop a project combining elements of both education and science. Projects			
							are expected to have a			
							significant impact on some			
Fall 2007	GL781	781	MST Project	GL	Geology	1	aspect of teaching and learning.	GR	LE	Lecture
			Continuing							
Fall 2007	GL789	789	Registration	GL	Geology	1		GR	LE	Lecture
							Titles vary. May be taken for			
			Special				letter grade or			
Fall 2007	GL799	799	Problems	GL	Geology	1	pass/unsatisfactory.	GR	LE	Lecture
							Specific areas in a region are			
							studied using a specific area of			
							specialization in the geologic			
							sciences. Data are collected			
							under close supervision and			
							analyzed independently. Formal			
			Geologic Field				report of results to be prepared.			Independe
Fall 2007	GL898	898	Research	GL	Geology	3	Field experience included.	GR	IS	nt Study
										Independe
Fall 2007	GL899	899	Thesis	GL	Geology	1		GR	IS	nt Study
			Beginning							
Fall 2007	GR101	101	Greek	GR	Greek	4	Essentials of the Greek language.	UG	LE	Lecture
			Beginning							
Fall 2007	GR102	102	Greek	GR	Greek	4	Essentials of the Greek language.	UG	LE	Lecture
			Beginning							
Fall 2007	GR103	103	Greek	GR	Greek	4	Essentials of Greek language.	UG	LE	Lecture
							Review of essentials and reading			
			Intermediate			_	for comprehension in selected			
Fall 2007	GR201	201	Greek	GR	Greek	4	authors.	UG	LE	Lecture
							Review of essentials and reading			
			Intermediate			_	for comprehension in selected			
Fall 2007	GR202	202	Greek	GR	Greek	4	authors.	UG	LE	Lecture

			Readings in			Aeschylus, Sophocles, Euripides, Aristophanes, and Menander. Study of at least one play in Greek. Topics include origin and development of tragedy, drama as a reflection of contemporary events, and development of new			
Fall 2007	GR351	351	Greek Drama	GR	Greek	4 comedy.	UG	LE	Lecture
Fall 2007	GR353	353	Readings in Greek Poetry	GR	Greek	Greek epic and lyric poetry: epics of Homer and Hesiod, the Homeric Hymns, the early lyric poets such as Archilochus and Sappho, and the Hellenistic poets. Topics for investigation include structure and technique of oral epic, the didactic tradition, lyric meters and 4 diction, and the development of	UG	LE	Lecture
			Studies Selected			Problems, approaches, and topics in the field of Greek.			
Fall 2007	GR399	399	Subjects	GR	Greek	1 Topics vary.	UG	LE	Lecture
			Readings Greek			Plato, Aristotle, Epicurus, Epictetus, and Marcus Aurelius. Topics include pre-Socratics and the development of philosophical vocabulary, the sophistic movement, the Cynic tradition, and the development of popular			
Fall 2007	GR451	451	Philosophy	GR	Greek	4 philosophy. Titles vary.	UG	LE	Lecture

							1		
						Herodotus, Thucydides,			
						Xenophon, Polybius, and			
						Plutarch. Topics for investigation			
						include methods of composition,			
						influences on historiography			
						from the sophists and			
						philosophers, the development			
						of Greek historical writing, and			
			Read in Gr Hst			supplemental evidence from			
Fall 2007	GR453	453	& Biography	GR	Greek	4 inscriptions and nonliterary	UG	LE	Lecture
						Lysias, Demosthenes, Isocrates,			
						Old Oligarch, Plato, Xenophon,			
						and Aristotle. Topics for			
						investigation include			
						development of political ideas			
						and vocabulary, nonliterary			
						sources for our knowledge of			
			Read Gr			Greek civil life, and influences on			
Fall 2007	GR455	455	Politics Theory	GR	Greek	4 Roman theories and practices.	UG	LE	Lecture
						Readings of Greek prose authors			
						on topics such as the scientific or			
						pseudoscientific writings of			
						Hippocrates, Euclid, Archimedes,			
						and Ptolemy; travel commentary			
						of Strabo and Pausanias; essays			
			Read Gr Prose			of Athenaeus; and fiction of			
Fall 2007	GR457	457	Narrative	GR	Greek	4 Lucian.	UG	LE	Lecture
			Independent						Independe
Fall 2007	GR481	481	Reading	GR	Greek	1 Topics vary.	UG	IS	nt Study
			3			An introduction to the essential			J
						elements of the Hebrew			
						Language, emphasizing skills			
						needed to read and understand			
						Biblical Hebrew. The relationship			
			Essentials of			between Biblical and Modern			
Fall 2007	HEB100	100	Hebrew	HEB	Hebrew	3 Hebrew will also be explored.	UG	LE	Lecture

Fall 2007	HED230	230	Personal Health	HED	Health Education	Discussions of personal health problems in adolescents through the lifespan including the six CDC risk areas of injuries, tobacco, alcohol, drug use, sexual behavior that leads to 4 pregnancy, STDs, diet, and UG LE Lecture This course addresses the population-based aspects of health. Topics include
Fall 2007	HED231	231	Community Health	HED	Health Education	epidemiology, assessing need, environmental and consumer health, at-risk populations and 4 community-based agencies. UG LE Lecture
			Health:		Health	Covers students pre-K through ninth grade. Promoting positive lifestyles; the comprehensive school health program; planning, organizing, and evaluation of curriculum; goals and objectives for health teaching; teaching and learning plans; and controversial
Fall 2007	HED331	331	Ece/Midch Diverse Needs	HED	Education	4 issues. This course addresses the diverse needs of students related to health status and health education. Topics include diabetes, asthma, grief, sexuality in individuals with disabilities, ESL, reading, and individualized
Fall 2007	HED332	332	in Health	HED	Education	4 education plans. UG LE Lecture

							This source develops a depth of			
							This course develops a depth of			
							sexuality knowledge and related			
							teaching competenices of K-12			
							teachers. Emphasis is placed on			
							adolescent and young adult			
			Human				sexuality and application of the			
			Sexuality for		Health		National Health Education			
Fall 2007	HED333	333	Educators	HED	Education		Standards.	UG	LE	Lecture
							This course addresses the			
							theories of health behavior and			
							health behavior change.			
			Health		Health		Students develop a theory-based			
Fall 2007	HED334	334	Behaviors	HED	Education	4	logic map for one risk behavior.	UG	LE	Lecture
							This course addresses step-by-			
							step design, implementation,			
							evaluation, and critique of			
							communication programs			
							designed to change health			
							behavior. Students develop a			
			Health				theory-based health			
			Communicatio		Health		communications plan with			
Fall 2007	HED335	335	ns	HED	Education		communications products.	UG	LE	Lecture
							This course introduces students			
							to health education pedagogy,			
							with an emphasis on the Centers			
							for Disease Control and			
							Prevention priority content areas,			
							the National Health Education			
			Foundation		Health		Standards, and the Coordinated			
Fall 2007	HED385	385	Teach Health I	HED	Education		School Health Program Model.	UG	LE	Lecture
							Students develop a depth of			
							health education knowledge and			
							skills for planning, implementing			
			Hlth				and evaluating school and			
			Promotion		Health		community health education			
Fall 2007	HED430	430	Planning	HED	Education		programs.	UG	LE	Lecture
1 all 2007	TILD430	1 30	i iai ii iii ig	IILD	Luucation	4	programs.	UU	LL	Lecture

			Writing in HED		Health	Required writing component for			
Fall 2007	HED430W	430W	430	HED	Education	0 HED 430.	UG	LB	Lab
						(Also listed as RHB 432.) Course			
						in death, dying, and grieving for			
						health educators who deal with			
						grief and loss in situations such			
						as death, dying, survivorship,			
						children and loss, second			
						marriages, suicide, and other			
			Death, Loss		Health	events of trauma. (Previously			
Fall 2007	HED432	432	and Grief	HED	Education	3 listed as HPR 432.)	UG	LE	Lecture
						This culminating experience has			
						students apply health education			
						pedagogical skills through the			
						development of a comprehensive			
			Foundation		Health	health education unit and			
Fall 2007	HED485	485	Teach Hith II	HED	Education	4 resource plan.	UG	LE	Lecture
						This course addresses the social-			
						ecological and behavioral			
						determinants of health status			
			Social			and the role of theory-based			
			Behavior		Health	interventions in alerting health			
Fall 2007	HED770	770	Health	HED	Education	4 behavior and status.	GR	LE	Lecture
						his seminar course addresses the			
						public health priorities for the			
						nation and current health			
						promotion initiatives to alter			
			Application		Health	health behaviors, health status			
Fall 2007	HED775	775	Research HPR	HED	Education	4 and health disparaties.	GR	LE	Lecture

						Presentation of statistical			
						techniques as applied to			
						engineering testing,			
						development, and			
						manufacturing. Introduces and			
						applies probability distributions,			
					Human	measures of association,			
					Factors	inferences on responses, and			
			Stats for Dev		Engineeri	basic experimental design.			
Fall 2007	HFE501	501	& Manuf I	HFE	ng	4 Emphasis is on application of	GR	LE	Lecture
						A continuation of HFE 501.			
						Focuses on analysis techniques			
						for multiple variables, including			
						ANOVA and multiple regression,			
						as applied to engineering testing,			
						development, and			
					Human	manufacturing. Process analysis			
					Factors	and improvement techniques			
			Stats for Dev		Engineeri	presented, along with tools for			
Fall 2007	HFE502	502	& Manuf II	HFE	ng	4 reliability analysis.	GR	LE	Lecture
					Human	(Also listed as PSY 502.)			
					Factors	Introduction to the study of			
			Hum Factrs in		Engineeri	human factors in the design and			
Fall 2007	HFE506	506	Egr & Des	HFE	ng	4 operation of machine systems.	GR	LE	Lecture
						Introduce new engineering			
						graduate students to ethics of			
						engineering, scientific research,			
						and technical writing. Additional			
						topics include active reading,			
					Human	active listening, effective			
					Factors	presentation, faculty-advisor			
			Egr Academic		Engineeri	relationships and the			
Fall 2007	HFE601	601	Integrity	HFE	ng	1 thesis/dissertation process.	GR	LE	Lecture

Fall 2007	HFE602	602	Prob for Engineers	HFE	Human Factors Engineeri ng	Presentation of probability concepts and techniques as applied to engineering applications. Introduces and applies probability distributions, measures of association, inferences on responses, and basic experiemental design. Emphasis is on application of 4 statistical tools.	GR	LE	Lecture
Fall 2007	HFE603	603	Statistics for Engineers	HFE	Human Factors Engineeri ng	Focus on analysis techniques for multiple variables, including ANOVA and multiple regression, as applied to engineering testing, development, and manufacturing. Process analysis and improvement techniques presented, long with tools for 4 reliability analysis.	GR	LE	Lecture
Fall 2007	HFE605	605	I&E Seminar Series	HFE	Human Factors Engineeri ng	Seminars meet once a week. Guest lecturers from high-tech companies provide insight on entrepreneurship and innovation. Students gain an understanding of the associated challenges, as well as the resources available within the community.	GR	SE	Seminar
Fall 2007	HFE606	606	Human Factors Engineering	HFE	Human Factors Engineeri ng	Fundamentals of human factors engineering tools and processes as applied to systems development. Emphasis is placed on user-centered design principles. Material is presented through lectures and application-4 oriented projects.	GR	LE	Lecture

						Introduces students to the	
						application of ergonomic	
						principles to the industrial	
						environment. Includes subject	
					11	matter on ergonomic planning	
					Human	and implementation, the work	
					Factors	environment, NIOSHA work	
			Industrials		Engineeri	factors, and workstation and	
Fall 2007	HFE607	607	Ergonomics	HFE	ng	4 equipment design. GR LE Lectu	re
						Introduction to the design of	
						visual display systems. Topics	
						include radiometry and	
					Human	phometry, visual perception,	
					Factors	linear systems analysis, color	
			HFE of Visual		Engineeri	displays, colorimetry 3D displays,	
Fall 2007	HFE631	631	Displays	HFE	ng	4 standards guidelines. GR LE Lectu	re
					Human	Covers a variety of engineering	
			Human		Factors	and behavioral analytic	
			Factors		Engineeri	techniques critical to the study of	
Fall 2007	HFE650	650	Analysis	HFE	ng	3 work performance. GR LE Lectu	re
			, and the second		Human	·	
					Factors		
			Human Fact		Engineeri		
Fall 2007	HFE650L	650L	Analysis Lab	HFE	ng	0 Required laboratory for HFE 650. GR LB Lab	
			,		3	Theoretical paradigms in human-	
						computer interaction and their	
						application to interface design	
						are examined. Emphasis is	
					Human	placed on advanced interface	
			HFE in		Factors	technologies such as multimodel	
			Computer		Engineeri	input/output, hypertext, and	
Fall 2007	HFE651	651	Dsgn	HFE	ng	4 knowledge-based systems. GR LE Lectu	rΔ
1 all 2007	111 [031	001	Dagii	CHI L	Human	Timowieuge-basea systems.	1 6
			HFE in		Factors		
Fall 2007	11554541	4E1I	Comput Dsgn	шее	Engineeri	O Dequired laboratory for LIFE 451 CD	
Fall 2007	HFE651L	651L	Lab	HFE	ng	0 Required laboratory for HFE 651. GR LB Lab	

	1		1			/AL !! L OFO //F`			
						(Also listed as CEG 665.)			
						Provides students with			
						experience in interactive real-			
						time simulation and design,			
						implementation, and evaluation			
					Human	of interfaces to simulations. The			
					Factors	relevant topics are explored			
			Interactive Sys		Engineeri	through application in			
Fall 2007	HFE665	665	Modeling	HFE	ng	4 supervisory control of complex,	GR	LE	Lecture
						Introductory course of			
						Deterministic Models in			
						Operations Research and their			
						Applications in Industrial and			
						Systems Engineering. Students			
					Human	will formulate appropriate			
			Det Oper		Factors	models, and obtain and interpret			
			Research		Engineeri	analytical results in the context			
Fall 2007	HFE670	670	Models	HFE	ng	4 of ISE problems.	GR	LE	Lecture
1 411 2007	2070	0.0			9	Studies quantitative techniques	0.1		20010.10
						to analyze and predict systems			
						performance. Topics include			
						queuing models, system			
					Human	simulation, model validation,			
			Sys		Factors	data collection, quantitative			
			Performance		Engineeri	analysis of system performance,			
Fall 2007	HFE671	671	Modeling	HFE	ng	4 and system design evaluation.	GR	LE	Lecture
1 411 2007	111 2071	071	Modelling	111 L	i ig	Application of human factors	OIX	LL	Lociuic
						engineering concepts to			
						aerospace systems design.			
						Develops human factors			
						•			
					Llumor	engineering influence on			
			Aorean		Human	aerospace system dynamics,			
			Aerospace		Factors	structure, and control as well as			
			Human		Engineeri	impact on reliability and		l	
Fall 2007	HFE676	676	Factors	HFE	ng	4 maintainability.	GR	LE	Lecture

					Human	Explores engineering management practices including basic problem formulation, process analysis, and system improvement using modern software application programs for flow charting, process			
			Systems Process		Factors	mapping, activity modeling,			
Fall 2007	HFE677	677		HFE	Engineeri	critical path analysis, and	GR	LE	Locturo
Fall 2007	HFE6//	677	Analysis Comp Models	HFE	Human Factors Engineeri	Design and implement data structures and algorithms to create ISE-focused applications using object oriented methods. Applications of linear programming, discrete event simulation and operations research methods in decision	GK	LE	Lecture
Fall 2007	HFE678	678	for ISE	HFE	ng	4 support roles.	GR	LE	Lecture
			Egr in Occup		Human Factors Engineeri	Discusses and demonstrates the role and responsibility of engineers in occupational safety and health related issues. Focuses on the application of human factors engineering design principles as a proactive approach for controlling			
Fall 2007	HFE680	680	Sfty & Hlth	HFE	ng	4 occupational injuries.	GR	LE	Lecture
			Engineering		Human Factors Engineeri	Introduction to analytical methods and techniques for optimizing the economic outcome of technical and managerial decisions. Topics include economic decision criteria, discounted cash flow,			
Fall 2007	HFE681	681	Economy	HFE	ng	4 risk, depreciation, break-even	GR	LE	Lecture

						Provides a fundamental			
					Human	understanding of techniques for			
			Oper &		Factors	the layout and organization of			
			Facilities		Engineeri	operations in modern production			
Fall 2007	HFE682	682	Design	HFE	ng	4 and service facilities.	GR	LE	Lecture
						Explores industrial engineering			
						concepts and quantitative			
						techniques as it applies to			
					Human	manufacturing planning and			
					Factors	control systems. Discusses			
			Integ Sys for		Engineeri	production and service industries			
Fall 2007	HFE683	683	Manufact	HFE	ng	4 as well as supply chain systems.	GR	LE	Lecture
						Provide an in-depth coverage of			
						theory and methods to the			
					Human	analysis and design of probalistic			
					Factors	systems. Topics include			
			Prob Methods		Engineeri	conditional probability, markov			
Fall 2007	HFE684	684	in OR	HFE	ng	4 chains, and queuing theory.	GR	LE	Lecture
						The course introduces students			
						to the practical application of Six			
						Sigma tools in the manufacturing			
					Human	and service projects. The course			
					Factors	also includes video tapes and			
			Six Sigma for		Engineeri	case studies or real world			
Fall 2007	HFE685	685	Engineers	HFE	ng	4 industrial operations.	GR	LE	Lecture
						Train students on methods to			
						develop breakthrough products			
						with an entrepreneurial			
						perspective and managerial			
						outlook. Topics include advanced			
						product development, protecting			
					Human	intellectual property, fostering			
					Factors	strategic and creative thinking,			
1			Tech Based		Engineeri	effectively leading technology-			
Fall 2007	HFE690	690	Ventures	HFE	ng	4 driven teams.	GR	LE	Lecture

			Special		Human Factors				
			Problems in		Engineeri				
Fall 2007	HFE699	699	HFE	HFE	ng	1 Topics vary.	GR	LE	Lecture
						This course exposes students to various applications of industrial engineering techniques such as forecasting, optimization, simulation, inventory control,			
Fall 2007	HFE707	707	Applications of OR/IE	HFE	Human Factors Engineeri	etc. It helps students to identify practical problems and a deeper understanding of these solution 4 techniques.	GR	LE	Lecture
1 411 2007	HFE/U/	707	OR/TE	IIFC	ng	This course is to present theory and algorithm to solve integer programs and their applications	GK	LĽ	Lecture
F-II 2007	UEE700	700	Integer	LIEE	Human Factors Engineeri	in industry. Applications will be drawn from diverse areas and state of the art optimization	C.D.	l E	Lastona
Fall 2007	HFE709	709	Programming Ergonomic Engineering	HFE HFE	ng Human Factors Engineeri ng	4 software will be used. Advanced applications from a variety of bioengineering subfields are identified and defined with respect to their importance in he practice of 4 human factors engineering.	GR	LE LE	Lecture Lecture
Fall 2007	LIFE711	711	Ergonomic	UEE	Human Factors Engineeri	Advanced applications from a variety of bioengineering subfields are identified and defined with respect to their importance in the practice of	CD		Lactura
Fall 2007	HFE711	711	Engineering Manual	HFE	ng Human Factors Engineeri	4 human factors engineering. Description of human control processes and their models. Analysis of human skills and skill	GR	LE	Lecture
Fall 2007	HFE712	712	Control	HFE	ng	4 typology.	GR	LE	Lecture

						Focuses on recent developments			
						·			
						in human factors engineering.			
						Design principles, crew			
					Human	compartment technology and			
			Aero Med		Factors	resource management, crew			
			Human		Engineeri	member performance, and			
Fall 2007	HFE723	723	Factors	HFE	ng	3 reliability are discussed.	GR	SE	Seminar
						(Also listed as BMS 953.)			
						Qualifies students to make			
						significant human factors			
						contributions to the design of			
						state-of-the-art aerodynamic and			
					Human	space systems. Emphasizes the			
					Factors	design of control-display			
			Adv Aerospace		Engineeri	integration, cockpit			
Fall 2007	HFE724	724	Sys Design	HFE	ng	3 configuration, maintainability,	GR	LE	Lecture
			, ,		3	Physiological and mathematical			
					Human	methods needed to accomplish a			
			Quant		Factors	workload analysis as a requisite			
			Wrkload		Engineeri	to a system design or a redesign			
Fall 2007	HFE725	725	Analysis	HFE	ng	4 of an ergonomic system.	GR	LE	Lecture
1 411 2007	111 2720	720	raidiyələ		i i g	(Also listed as BMS 955.) In-	OI C		Ecotoro
						depth treatment of human			
					Human	factors engineering principles			
					Factors	applicable to design of crew			
			HFE Crew		Engineeri	command centers for			
Fall 2007	HFE726	726		LIEE	_	3 aerodynamic, space, and	GR	LE	Lecture
Fall 2007	ПГЕ/20	720	Station Design	ПГС	ng	A course in advanced (non-	GR	LC	Lecture
						•			
						traditional) optimization			
						modeling techniques. Topics			
						include biologically-inspired			
					Human	approaches, agent-based			
					Factors	approaches, simulation and			
			Heuristic		Engineeri	optimization and classical			
Fall 2007	HFE730	730	Optimization	HFE	ng	4 heurisitic optimization methods.	GR	LE	Lecture

							Application of human factors			
							engineering principles to the			
							design of visual display systems.			
					Human		Discusses current display			
					Factors		technologies, human vision,			
			Visual Display		Engineeri		design of display parameters,			
Fall 2007	HFE731	731	Design	HFE	ng	4	and image quality metrics.	GR	LE	Lecture
							Seminar exposing students to			
							theoretical and research issues			
							associated with human-computer			
							interaction (HCI) and cognitive-			
					Human		oriented work from a human			
					Factors		factors engineering standpoint.			
			Advanced		Engineeri		May be taken for letter grade or			
Fall 2007	HFE733	733	Topics in HCI	HFE	ng	3	pass/unsatisfactory.	GR	LE	Lecture
							Reviews issues related to			
							designing, conducting, and			
							analyzing experiments. Topics			
							include experimental design,			
							experimental ethics, evaluating			
					Human		statistical results, and writing			
					Factors		research papers. Students are			
			Exp Resrch &		Engineeri		required to conduct and analyze			
Fall 2007	HFE734	734	Eval in HFE	HFE	ng	4	an experiment.	GR	LE	Lecture
							Studies quantitative means of			
							modeling, analyzing, and			
							predicting the performance of			
							human-machine systems. Topics			
					Human		include control theory,			
					Factors		estimation theory, fuzzy set			
			Adv Systems		Engineeri		theory, information theory, and			
Fall 2007	HFE735	735	Models	HFE	ng	4	knowledge-based systems.	GR	LE	Lecture

						Introduction to the methods,			
						concepts, models and results of			
						the science of decision-making			
						S .			
						and human-centered design.			
						Prescriptive and descriptive			
						theories of human decision			
						making are discussed and			
						contrasted. Approaches to			
						aiding human decision making			
					Human	are considered in the context of			
			Human		Factors	these theoretical frameworks.			
			Decision		Engineeri	Applications-oriented issues are			
Fall 2007	HFE742	742	Making	HFE	ng	4 emphasized.	GR	LE	Lecture
						(Also listed as BMS 963.)			
						Teaches the application of			
						human factors design concepts			
					Human	for designing aids for the			
			Human		Factors	physically handicapped. In			
			Factors Rehab		Engineeri	addition to manipulation and			
Fall 2007	HFE743	743	Egr	HFE	ng	3 locomotion aids, barrier-free	GR	LE	Lecture
						The course introduces students			
						to the practical application of			
						Lean manufacturing and Kaizen			
						techniques in the manufacturing			
					Human	environment. It also includes			
					Factors	case studies and team projects			
			Kaizen/Lean		Engineeri	of real world problems and			
Fall 2007	HFE744	744	Manufact Egr	HFE	ng	4 solutions.	GR	LE	Lecture
						Design of workstations and hand-			
						tools using Physiology and			
						Biomechanics approach.			
						Ergonomic analysis of assembly,			
						machining and manual material			
						handeling operations. Practical			
					Human	solutions and real world case			
					Factors	studies to improve productivity			
			Adv Ind		Engineeri	and reduce Workers			
Fall 2007	HFE745	745	Ergonomics	HFE	ng	4 Compensation costs.	GR	LE	Lecture

Fall 2007	HFE749	749	Ergonomic Biodynamics	HFE	Human Factors Engineeri ng	Covers quantitative assessment of human motions. Mathematica descriptions include anthropometry, kinematics, kinetics, and dynamics. The methods of kinesiology, biomechanical modeling, and electromyography are emphasized. Explores the global revolution in	GR	LE	Lecture
Fall 2007	HFE751	751	Human & Tech Aspects Coll	HFE	Human Factors Engineeri ng	human interconnectedness. Exposes students to the theoretical and research issues i collaboration including how people collaborate in environments with a high degree of decentralized computation, communication and decisionaking.		LE	Lecture
Fall 2007	HFE753	753	Quant Meth	HFE	Human Factors Engineeri ng	Explores the global revolution in human interconnectedness. Exposes students to the theoretical and research issues i collaboration including how people collaborate in environments with a high degree of decentralized computation, communication and decision-4 making.	า	LE	Lecture
Fall 2007	HFE760	760	HFE in Virtual Reality	HFE	Human Factors Engineeri	Introduction to engineered systems associated with virtual reality. Human factors engineering introduction to engineering details underlying the development of virtual 4 environmental displays.	GR	LE	Lecture

							This course is a seminar course			
							that introduces issues in the			
							design of health systems.			
					Human		Example topics include human			
					Factors		error, team issues, medical			
			Egr Health		Engineeri		device design, human factors			
Fall 2007	HFE765	765		HFE	ng	4	techniques for analyzing health	GR	SE	Seminar
							Provides and discusses			
							background knowledge and			
							current issues on cumulative			
							trauma disorders, including			
							epidemiological statistics,			
							pathology, risk factors, analysis			
					Human		methods, control measures, and			
					Factors		surveillance tools. Students			
			Occup Cum		Engineeri		welcomed to bring real worksite			
Fall 2007	HFE780	780	Trauma Disord	HFE	ng	3	cases for discussion.	GR	LE	Lecture
					Human					
					Factors					
			Continuing		Engineeri		May be taken for letter grade or			Independe
Fall 2007	HFE789	789	Registration	HFE	ng	1	pass/unsatisfactory.	GR	IS	nt Study
					Human		Selected topics in current			
					Factors		research and recent			
			Selected		Engineeri		developments in Human Factors			
Fall 2007	HFE880	880	Topics in HFE	HFE	ng	1	Engineering.	GR	LE	Lecture
					Human					
					Factors					
			Spec Prob in		Engineeri					
Fall 2007	HFE890	890	HFE	HFE	ng	1	Topics vary.	GR	LE	Lecture
					Human					
			PhD		Factors		Research on Ph.D. dissertation			
			Dissertation		Engineeri		topic. Graded			Independe
Fall 2007	HFE898	898	Research	HFE	ng	1	pass/unsatisfactory.	GR	IS	nt Study
					Human		_			
					Factors					
					Engineeri					Independe
Fall 2007	HFE899	899	HFE Thesis	HFE	ng	1	Graded pass/unsatisfactory.	GR	IS	nt Study

			Human			An introduction to the aesthetic			
			Expressions of			expressions of health reflecting			
Fall 2007	HLT201	201	Health	HLT	Health	4 cultural and spiritual concerns.	UG	LE	Lecture
						An exploration of the cultures of			
			Eastern			the Eastern world and their			
			Influences-			influence on health care			
Fall 2007	HLT202	202	West Health	HLT	Health	4 practices in the west.	UG	LE	Lecture
						An introduction to the			
						mathematical, social, political,			
			The			financial, and cultural influences			
			Languages of			on communication regarding			
Fall 2007	HLT203	203	Health Data	HLT	Health	4 health.	UG	LE	Lecture
						Topics vary. Specific titles			
						announced in quarterly class			
						schedule. May be taken for a			
			Special Topics			letter grade or			
Fall 2007	HLT416	416	in Health	HLT	Health	1 pass/unsatisfactory.	UG	LE	Lecture
						Topics vary. Specific titles			
			Special Topics			announced in quarterly class			
Fall 2007	HLT616	616	in Health	HLT	Health	1 schedule.	GR	LE	Lecture
						This course will offer school			
						nurses and other health			
						professionals the opportunity to			
			Special Topics-			update their knowledge and skills			
Fall 2007	HLT617	617	School Nursing	HLT	Health	0.5 related to school health.	GR	LE	Lecture
						Fundamental skills and			
						knowledge of one particular			
						activity. Competency-based			
					Health	approach. Includes courses for			
					Phy Educ	disabled students. Students			
					&	should check competency levels			
			P E: Beginning		Recreatio	posted in physical education			
Fall 2007	HPR100	100	(Sport)	HPR	n	1 building before enrolling.	UG	LB	Lab

						Intermediate level of skills and
						knowledge in one particular
					Health	activity. Competency-based
					Phy Educ	approach. Students should check
					&	competency levels posted in
			Physical Ed:		Recreatio	physical education building
Fall 2007	HPR101	101	Intermediate	HPR	n	2 before enrolling. UG LB Lab
						Advanced level of skills and
						knowledge in one particular
						activity. Competency-based
					Health	approach. Includes courses in
					Phy Educ	life saving and water safety
			Physical		&	instruction. Students should
			Education:		Recreatio	check competency levels in
Fall 2007	HPR102	102	Advanced	HPR	n	3 Physical Education office. UG LB Lab
						Develop methods of teaching
					Health	fundamental skills and
					Phy Educ	knowledge of a particular sports Lecture
					&	activity. Emphasizes a variety of b
			Teaching		Recreatio	teaching skills and classroom Combination
Fall 2007	HPR200	200	(Sport)	HPR	n	1 management techniques. UG LL n
						This activity class is for HPR
						majors and models best teaching
					Health	practices in team sports such as
					Phy Educ	basketball, soccer, softball, and Lecture
					&	volleyball. Students are required b
			Team Sports		Recreatio	to demonstrate proficiency in Combination
Fall 2007	HPR201	201	for Majors	HPR	n	4 sports skills. UG LL n
						This activity class is for HPR
						majors and models best teaching
					Health	practices in activities such as
					Phy Educ	dance, fitness, and tumbling.
					&	Students are required to b
			Fundamental		Recreatio	demonstrate proficiency in Combination
Fall 2007	HPR202	202	Activities	HPR	n	4 fundamental activity skills. UG LL n

T					-	This activity class is for HPR			
						3			
				Health		,			
									Lecture/La
						· ·			b
		Leisure Act for			-	, •			Combinatio
HPR203	203		HPR			,	UG	11	n
11111200	200	Majors	11111			<u> </u>	00		
				Health					
						5			Lecture/La
		Adapted Phys							b
						•			Combinatio
HPR212	212		HPR				LIG	11	n
11111212	212	Recreation	11111				00		11
				Health		• •			
									Lecture/La
		Teaching				•			b
									Combinatio
HPR213	213	•	HDD				LIG	11	n
11111213	213	riquatics	11111			· · · · · · · · · · · · · · · · · · ·	00		11
				Health		•			
						• •			Lecture/La
		Adanted							b
		•				·			Combinatio
HPR214	214	•	HPR			•	LIG	11	n
11111211	211	riotivity	11111				00	LL	
						3			
				Health		3			
									Lecture/La
									b
		Fundamental		-		•			Combinatio
HPR220	220		HPR				UG	11	n
_	HPR212 HPR213 HPR214	HPR212 212 HPR213 213 HPR214 214	Adapted Phys Ed & Recreation Teaching Adapted Aquatics HPR213 213 Adapted Physical Activity Fundamental	HPR203 203 Majors HPR Adapted Phys Ed & Recreation HPR Teaching Adapted Aquatics HPR HPR213 213 Adapted Physical Activity HPR Fundamental	HPR203 203 Majors HPR n Health Phy Educ & Recreation HPR n Health Phy Educ & Recreation n Health Phy Educ & Recreation n Health Phy Educ & Recreation n Health Phy Educ & Recreation n Health Phy Educ & Recreation n HPR213 213 Aquatics HPR n Health Phy Educ & Recreation n Health Phy Educ & Recreation n Health Phy Educ & Recreation n Health Phy Educ & Recreation n HPR214 214 Activity HPR n Health Phy Educ & Recreation n Health Phy Educ & Recreation n Health Phy Educ & Recreation n	HPR203 203 Majors HPR n 4 Health Phy Educ & Recreatio n	Phy Educ & sa badminton, golf, tennis and yoga. Students are required to demonstrate proficiency in n 4 leisure activity skills. Provides an overview of the etiological, physical, and psychological considerations of disabilities. Methods of adapting activities and supervised field experiences in physical education for given regarding teaching. Teaching Adapted Phys Educ Teaching Adapted Phys Educ Teaching Adapted Phys Educ Teaching Adapted Phys Educ Teaching Adapted Phys Educ Teaching Adapted Phys Educ Teaching Adapted Phys Educ Teaching Adapted Phys Educ Teaching Adapted Physical Education requirements of the various athletic opportunities for exceptional populations. Includes discussions of adaptive devices and special facilities used for grades K 6. Includes motor activities that aid the elementaryage child in developing fundamental movements and sports skills. Students must demonstrate cognitive and	Health Phy Educ & yoga. Students are required to demonstrate proficiency in leisure activities such as badminton, golf, tennis and yoga. Students are required to demonstrate proficiency in leisure activities such as badminton, golf, tennis and yoga. Students are required to demonstrate proficiency in leisure activity skills. UG Provides an overview of the etiological, physical, and psychological considerations of disabilities. Methods of adapting activities and supervised field experiences in physical education for individuals with disabilities. UG Recreatio HPR212 212 Recreation HPR n 4 for individuals with disabilities. UG Red Cross certification course in adapted aquatics. Concepts are given regarding teaching techniques, disabilities, and basic rescues specific to the population involved. Includes in class of the various athletic opportunities and special facilities used for health physical Health Physical Adapted & discussions of adaptive devices and special facilities used for grades K 6. Includes motor activities that aid the elementary-age child in developing fundamental movements and sports skills. Students must demonstrate cognitive and	Health Phy Educ & Recreatio HPR203 203 Majors HPR n Health Phy Educ Adapted Phys Ed & Recreatio HPR212 212 Recreation HPR n Health Phy Educ & Recreatio HPR213 213 Aquatics HPR n Health Phy Educ & Recreatio HPR214 214 Activity HPR n Health Phy Educ Adapted Physical HPR n Health Phy Educ Adapted Adapted Phy Educ Adapted Recreatio HPR n Health Phy Educ Adapted Recreatio HPR n Health Phy Educ Adapted Recreatio HPR n Health Phy Educ Adapted Recreatio HPR n Health Phy Educ Adapted Adapted Health Phy Educ Adapted Health Phy Educ Adapted Adapted Health Phy Educ Adapted Adapted Health Phy Educ Adapted Adapte

						Introduces the developing	
						professional to the nature and	
						scope of health, physical	
						education, and recreation.	
						Includes degree and licensure	
					Health	requirements, professional	
					Phy Educ		Lecture/La
					&		b
			Intro Health		Recreatio		Combinatio
Fall 2007	HPR241	241	Ed & Phys Ed	HPR	n		n
2007						Examination of motor skills used	
					Health	by young children to develop a	
					Phy Educ	foundation of fundamental	
					&	movement patterns and skills.	
			Motor		Recreatio	Several basic skills are defined	
Fall 2007	HPR243	243	Development	HPR	n		Lecture
					Health	Studies of the theories of	
					Phy Educ	learning in relation to the	
					&	acquisition of motor skills and	
			Motor		Recreatio	the relationship of psychology to	
Fall 2007	HPR244	244	Learning	HPR	n	4 motor skills learning. UG LE	Lecture
					Health		
					Phy Educ	This course monitors students to	
			HPR		&	the WSU Health Education and	
			Checkpoint 1		Recreatio	Physical Education Programs of	
Fall 2007	HPR245	245	Seminar	HPR	n	1 Study. UG SE	Seminar
						A study of anatomy and	
						physiology correlating both	
						structure and function of the	
					Health	human body. Topics include	
					Phy Educ	organization, skeletal system,	Lecture/La
			Basics-		&	muscular system, nervous	b
			Anatomy &		Recreatio	system, circulatory system, and	Combinatio
Fall 2007	HPR250	250	Physiology I	HPR	n	4 endocrine system. UG LL	n

						A continuation of HPR 250.			
					Health	Topics include respiration,			
					Phy Educ	exercise, digestion, metabolism,			Lecture/La
			Basics-		&	urinary system, acid base			b
			Anatomy &		Recreatio	balance, reproduction, and			Combinatio
Fall 2007	HPR251	251	Physiology II	HPR	n	4 immune system.	UG	LL	n
					Health				
					Phy Educ				
					&				
			Writing in HPR		Recreatio				
Fall 2007	HPR251W	251W	251	HPR	n	0	UG	LB	Lab
					Health	Standard Red Cross first aid			
					Phy Educ	course. Comprehensive study of			
					&	first aid techniques and			
					Recreatio	procedures in emergency			
Fall 2007	HPR260	260	First Aid	HPR	n	3 treatment.	UG	LE	Lecture
					Health				
					Phy Educ	Introductory course in the field			
					&	of athletic training and sports			
			Athletic		Recreatio	medicine pertinent to health and			
Fall 2007	HPR261	261	Training	HPR	n	4 physical education.	UG	LE	Lecture
					Health				
					Phy Educ	Introductory course in the field			
					&	of athletic training and sports			
			Athletic		Recreatio	medicine pertinent to health and			
Fall 2007	HPR261L	261L	Training I Lab	HPR	n	0 physical education.	UG	LB	Lab
						Curriculum teaching methods			
						and materials in physical			
						education for early and middle			
				Health	childhood (ages 3-14). Emphasis				
					Phy Educ	on goals of effective programs,			Lecture/La
			Phys Ed-Early		&	activity for optimal growth			b
			& Mid		Recreatio	development, content areas, and			Combinatio
Fall 2007	HPR281	281	Childhood	HPR	n	4 principles for teaching motor	UG	LL	n

						Supervised fiedl work for			
						sohpmore students who are			
						•			
						seeking certification or a			
					Health	concentration in a specific area.			
					Phy Educ	Titles vary. Contact hours vary			
					&	according to subject. May be			
			Practicum in		Recreatio	taken for a letter grade or			
Fall 2007	HPR284	284	HPR	HPR	n	1 pass/unsatisfactory.	UG	PR	Practicum
						Emphasis on developing			
						knowledge and skill in			
						diagnosing motor, physical, and			
					Health	sensory deficiencies in			
					Phy Educ	exceptional children.			
					&	Administrative procedures and			
			Psychomotor		Recreatio	interpretation of numerous			
Fall 2007	HPR311	311	Assess Ex Ch	HPR	n	4 assessment instruments are	UG	LE	Lecture
						Sensory-motor skill development			
						of individuals as it relates to			
						perceptual enhancement, IFSP			
						and IEP development, mobility			
						skills, and vocational fitness from			
					Health	early childhood to adulthood.			
					Phy Educ	Intended for students in adapted			
			Motor Skills-		&	physical education, early			
			Indv w/Mult		Recreatio	childhood education, special			
Fall 2007	HPR312	312	Dis	HPR	n	3 education, and related	UG	LE	Lecture
1 411 2007	11111312	312	D13	THIX	11	Organizational techniques,	00	LL.	LCCturc
						administrative procedures, and			
						principles of managing school			
					Health	health education, physical			
						• •			
			One O Admi		Phy Educ	education, recreation, and			
			Org & Admin-		&	athletic programs. Includes			
F-II 0007	1100040	2.40	HPR & ATH	LIDD	Recreatio	scheduling, facilities, personnel,			1
Fall 2007	HPR340	340	Prog	HPR	n	3 programs of instruction, and	UG	LE	Lecture

					Health	This course monitors students'	
					Phy Educ	progress in Health Education and	
			HPR		&	Physical Education and prepares	
			Checkpoint 2		Recreatio	them to enter the pedagogical	
Fall 2007	HPR345	345	Seminar	HPR	n	1 portion of their program of UG SE Sem	ninar
						Analysis of muscular	
						interrelationships in basic body	
					Health	movement and principles of	
					Phy Educ	mechanics as they relate to	
					&	fundamental and complex motor	
					Recreatio	skills in physical education	
Fall 2007	HPR353	353	Kinesiology	HPR	n		ture
						Provides information to help the	
i						prospective teacher, coach, or	
i					Health	sports medicine professional to	
					Phy Educ	effectively apply behavioral	
					&	science principles to the	
			Psychology of		Recreatio	performance aspects of sport	
Fall 2007	HPR354	354	Sport	HPR	n	3 and human movement. UG LE Lect	ture
						Practical applications in exercise	
						physiology for the physical	
					Health	educator, coach, and athletic	
					Phy Educ	trainer. Methods of conditioning,	
			Applied		&	training, implementation, and	
			Exercise		Recreatio	other special considerations	
Fall 2007	HPR355	355	Physiology	HPR	n	4 included. UG LE Lect	ture
						Introduces students to the	
						construction, evaluation, and	
						interpretation of tests utilized in	
					Health	K-12 health and physical	
					Phy Educ	education. Emphasis is also	
					&	placed on utilization of data to	
			Res Meas Eval		Recreatio	direct K-12 health education and	
Fall 2007	HPR356	356	HIt & PE	HPR	n	4 physical education programming. UG LE Lect	ture

					Health				
					Phy Educ				
			W ''' LIDD		&				
F - II 2007	LIDDAE	2571	Writing n HPR	LIDD	Recreatio			l D	1 -1-
Fall 2007	HPR356L	356L	356	HPR	n Health	0	UG	LB	Lab
					Phy Educ				
			Writing in LIDD		& Recreatio				
Fall 2007	HPR356W	254\//	Writing in HPR 356	HPR		0	UG	LB	Lab
Fall 2007	HEROSOW	33000	330	прк	n	Nutrient and food energy needs	UG	LD	Lab
						of the individual who is physically			
						active during the life cycle.			
					Health	Tissue maintenance, growth and			
					Phy Educ	development, immune function,			
			Nutrition for		&	energy development, the food			
			Fitness &		Recreatio	pyramid, and sound dietary			
Fall 2007	HPR362	362	Sport	HPR	n	3 practices are investigated.	UG	LE	Lecture
1 411 2007	111 11302	302	эрогт	1111		Supervised field work for junior	00		Lecture
						students seeking certification or			
					Health	a concentration in a specific			
					Phy Educ	area. Topics vary. Contact			
			Practicum in		&	hours vary according to subject.			
			Health, PE &		Recreatio	May be taken for letter grade or			
Fall 2007	HPR384	384	Rec	HPR	n	1 pass/unsatisfactory.	UG	IN	Internship
						This course introduces students			
						to physical education pedagogy			
						with an emphasis on the Praxis			
					Health	III model; evaluation of existing			
					Phy Educ	physical education curricula;			
					&	National Standards for Physical			
			Foundation		Recreatio	Education; and the components			
Fall 2007	HPR385	385	Teach PE I	HPR	n	4 of a unit plan.	UG	LE	Lecture

						Theory, methods, skills,
						strategies, organization,
					Health	psychology, ethics, conditioning,
					Phy Educ	and general aspects of teaching
					&	and coaching a particular sport.
			Coaching		Recreatio	Typical sports covered include
Fall 2007	HPR430	430	Theory	HPR	n	1 baseball, basketball, and soccer. UG LE Lecture
					Health	This exit seminar requires
					Phy Educ	candidates to demonstrate
			HPR		&	professional learned society
			Checkpoint 3		Recreatio	competencies and their ability to
Fall 2007	HPR445	445	Seminar	HPR	n	2 impact student learning. UG SE Seminal
						Supervised field work for senior
						students seeking certification or
					Health	a concentration in a specific
					Phy Educ	area. Titles vary. Contact hours
			Practicum in		&	vary according to subject. May
			Health, PE &		Recreatio	be taken for letter grade or
Fall 2007	HPR484	484	Rec	HPR	n	1 pass/unsatisfactory. UG IN Internsl
						This culminating experience has
					Health	students apply physical
					Phy Educ	education pedagogical skills
					&	through the development of a
			Foundation		Recreatio	comprehensive physical
Fall 2007	HPR485	485	Teach PE II	HPR	n	4 education unit and resource UG LE Lecture
					Health	
					Phy Educ	Independent reading, writing,
					&	and/or reporting in areas related
			Independent		Recreatio	to health, physical education, or Indeper
Fall 2007	HPR488	488	Study	HPR	n	1 recreation. Topics vary. UG IS nt Study
						Intensive study of content,
						curriculum, method, or materials
					Health	designed to meet the needs of
					Phy Educ	preservice and in-service
			Workshop in		&	professionals in health, physical
			Health, PE &		Recreatio	education, and recreation. Titles
Fall 2007	HPR489	489	Rec	HPR	n	1 vary. UG LE Lecture

						The nurse as a member of the	
						school health service team.	
						Topics include educational	
						foundations, administration of	
						school health programs, school	
					Health	health services and environment,	
					Phy Educ	health counseling (including	
			The Role of		&	mental health), and legal and	
			Nurse in		Recreatio	ethical issues. Instructor	
Fall 2007	HPR640	640	Schools	HPR	n	1 permission required. GR LE	Lecture
						An opportunity for the student to	
						take full responsibility for the	
						application of principles of school	
						health in a school setting under	
					Health	supervision of qualified university	
					Phy Educ	and school personnel. May be	
					&	taken for a letter grade or	
			School Nursing		Recreatio	pass/unsatisfactory. Instructor	
Fall 2007	HPR642	642	Practicum	HPR	n	1 permission required. GR LE	Lecture
						An opportunity for the student to	
						take full responsibility for the	
						application of principles of school	
						health in a school setting under	
					Health	supervision of qualified university	
					Phy Educ	and school personnel. May be	
					&	taken for a letter grade or	
			School Nursing		Recreatio	pass/unsatisfactory. Instructor	
Fall 2007	HPR643	643	Practicum	HPR	n	1 permission required. GR IN	Internship
					Health	Independent reading, writing,	
					Phy Educ	and/or reporting in an area	
					&	related to health, physical	
			Independent		Recreatio	education, or recreation. Titles	Independe
Fall 2007	HPR680	680	Study	HPR	n	1 vary. GR IS	nt Study
					Health	Independent reading, writing,	
					Phy Educ	and/or reporting in an area	
					&	related to health, physical	
			Independent		Recreatio	education, or recreation. Titles	Independe
Fall 2007	HPR688	688	Study	HPR	n	1 vary. GR IS	nt Study

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					Health		Focuses on selection of			
					Phy Educ		measurement materials,			
			Assessment -		&		techniques of test			
			Physical		Recreatio		administration, and essential			
Fall 2007	HPR753	753	Activity	HPR	n	4	statistical methods for scientific	GR	LE	Lecture
					Health					
					Phy Educ		Examination of trauma,			
			Adv Athletic		&		contusions, hematoma, strains,			
			Training		Recreatio		sprains, fractures, open wounds,			
Fall 2007	HPR760	760	Tchnques	HPR	n	4	and dislocations.	GR	LE	Lecture
					Health		Study of successful program			
					Phy Educ		assessment and evaluation			
			Research		&		processes, related research			
			Methods &		Recreatio		methods, and grant/project			
Fall 2007	HPR780	780	Prog Eval	HPR	n	4	development.	GR	LE	Lecture
							Examination of the character of			
							the premodern world from			
							prehistory through the 14th			
							century with special attention to			
							those aspects of ancient and			
							medieval life that had the			
			Ancient &				greatest effect on the			
			Medieval				development of Western society,			
Fall 2007	HST101	101	Europe	HST	History	4	politics, and culture.	UG	LE	Lecture
							Examination of the roots of the			
							modern Western world			
							emphasizing the revolution in			
							economic, political, religious, and			
			Early Madage				demographic realities that			
Fall 2007	LICTION	100	Early Modern	LICT	History	4	occurred between the 14th and	110	LE	Looturo
Fall 2007	HST102	102	Europe	HST	History	4	18th centuries. Examination of the nature and	UG	LE	Lecture
							consequences of modernization, its failures, accomplishments,			
							and problems with special			
			Modern				attention to the phenomena that			
			Europe:19th &				shaped the Western world of the			
Fall 2007	HST103	103	20th	HST	History		19th and 20th centuries.	UG	LE	Lecture
raii 2007	ПЭ I IU3	103	2011	пот	เสเรเบเ y	4	17111 dilu 20111 Celliulies.	UG	LC	Lecture

						This course examines the social,			
						cultural, economic, religious			
						and/or political interactions			
						between Western Europe and			
			W. Eur & Non-			the non-Western World since			
Fall 2007	HST200	200		HST	History	4 1500. Topics vary.	UG	LE	Lecture
1 411 2007	1131200	200	Writing in HST	1131	Thistory	1300. Topics vary.	00	LL.	Lecture
Fall 2007	HST200W	200W	200	HST	History	0	UG	LB	Lab
						Thematic survey of events,			
						forces, groups, and individuals			
						that contributed to and helped to			
						shape an American civilization on			
			American Civ			the North American continent.			
Fall 2007	HST211	211	to 1877	HST	History	4 Colonial foundations to 1877.	UG	LE	Lecture
					,	Thematic survey of events,			
						forces, groups, and individuals			
						that contributed to and helped to			
						shape an American civilization on			
			Amer Civ			the North American continent.			
Fall 2007	HST212	212	Since 1877	HST	History	4 1877 to the present.	UG	LE	Lecture
						Survey of black people in			
			African-			American society from colonial			
			American			slave trade to the present.			
Fall 2007	HST214	214	History	HST	History	4 African roots to 1877.	UG	LE	Lecture
						Survey of black people in			
			African-			American society from colonial			
			American			slave trade to the present.			
Fall 2007	HST215	215	History	HST	History	4 Reconstruction to the present.	UG	LE	Lecture
						Survey of Ohio History from its			
						Native-American origins to Ohio			
Fall 2007	HST217	217	Ohio History	HST	History	4 in the Post-Industrial Age.	UG	LE	Lecture
						Courses will survey special topics			
						in gender history, such as			
						masculinity, femininity, sexuality,			
						family, and women's history.			
			Intro to			Focus may be on one nation,			
			Gender			region, or a comparative			
Fall 2007	HST220	220	History	HST	History	4 perspective.	UG	LE	Lecture

			Writing in HST							
Fall 2007	HST220W	220W	220	HST	History	0		UG	LB	Lab
							Examines differences that have			
							shaped American life and the			
							ways in which Americans have			
							responded to diversity. Topics			
							may include ethnicity, race,			
							region, religion, gender, sexual			
			American				orientation, economic and social			
Fall 2007	HST221	221	Diversitiesq	HST	History	4	class, and political ideology.	UG	LE	Lecture
			Writing in HST							
Fall 2007	HST221W	221W	221	HST	History	0		UG	LB	Lab
							May range from library research			
Fall 2007	HST400	400	Historiography	HST	History	4	to field training.	UG	LE	Lecture
			Writing in HST				Required writing component for			
Fall 2007	HST400W	400W	400	HST	History	0	HST 400.	UG	LB	Lab
							Students will learn to use various			
							tools and techniques to prepare			
							a significant research paperin			
							conformity with contemporary			
			Research				standards and will share their			
Fall 2007	HST401	401	Seminar	HST	History	4	work in a seminar setting.	UG	SE	Seminar
			Writing in HST							
Fall 2007	HST401W	401W	401	HST	History	0		UG	LB	Lab
							Examination of the various			
							policies of the Latin American			
							nations towards their neighbors,			
							the areas of tensions which have			
							developed, and the attempts at			
							solution, from the period of the			
							wars for independence to the			Independe
Fall 2007	HST402	402	History Honors	HST	History	4	present.	UG	IS	nt Study
							Courses offered under this			
							number examine selected			
							problems in Roman history to			
			Ancient				the death of Constantine in A.D.			
Fall 2007	HST405	405	History	HST	History	4	337. Topics vary.	UG	LE	Lecture

			Writing in HST				Required writing component for			
Fall 2007	HST405W	405W	405	HST	History	0	HST 405.	UG	LB	Lab
							Studies the decline of the Roman			
							Empire to ca. 1450. Topics vary			
							and can include European,			
			The Middle				Islamic, and Byzantine			
Fall 2007	HST410	410	Ages	HST	History	4	civilizations.	UG	LE	Lecture
							Examines selected problems in			
							European history from the late			
							Middle Ages through the Counter-			
							Reformation. Topics include the			
			Med & Erly				Renaissance and Reformation.			
Fall 2007	HST415	415	Mod Euro Hst	HST	History	4		UG	LE	Lecture
			Writing in HST				Required writing component for			
Fall 2007	HST415W	415W	415	HST	History	0	HST 415.	UG	LB	Lab
							Examines a variety of countries,			
			Modern				topics and periods in European			
			European				history from the Enlightenment			_
Fall 2007	HST425	425	History	HST	History	4	to the present. Titles vary.	UG	LE	Lecture
			Writing in HST			_	Required writing component for			
Fall 2007	HST425W	425W	425	HST	History	0	HST 425.	UG	LB	Lab
							Courses offered under this			
							number examine particular			
							periods of British history (e.g.,			
							modern Britain) or topics (e.g.,			
Fall 2007	HST435	435	British History	HST	History	4	British constitutional history). Topics vary.	UG	LE	Lecture
raii 2007	ПЗТ4ЗЗ	433	Writing in HST	пэт	History	4	Topics vary.	UG	LC	Lecture
Fall 2007	HST435W	125\//	435	HST	History	0		UG	LB	Lab
1 all 2007	113143300	43300	433	1131	T IISTOT y	U	Variable titles covering a range	UG	LD	Lab
							of topics from pre-colonial to			
							post-colonial Africa in the 20th			
							century. Can be taken up to four			
			Topics in				(4) additional times (20 hours			
Fall 2007	HST440	440	African History	HST	History	4	total) under variable titles.	UG	LE	Lecture
			Writing in HST				Required writing component for			
Fall 2007	HST440W	440W	440	HST	History	0	HST 440.	UG	LB	Lab

Fall 2007	HST475	475	US History	HST	History	4 Topics vary.	UG	LE	Lecture
			19th Century			major topics such as slavery.			
						in the 19th century (e.g., Civil War and reconstruction) and			
						number examine distinct periods			
						Courses offered under this			
Fall 2007	HST470W	470W	Writing in HST 470	HST	History	Required writing component for 0 HST 470.	UG	LB	Lab
Fall 2007	HST470	470	History	HST	History	4 HST 470	UG	LE	Lecture
			Early American			Required writing component for			
Fall 2007	HST465W	465W	465	HST	History	0	UG	LB	Lab
			Writing in HST		,				
Fall 2007	HST465	465	Asian History	HST	History	East Asian histories or special 4 topics.	UG	LE	Lecture
						Chinese, Japanese, and other			
1 all 2007	113143300	73344	733	1131	i iistoi y	Examines various periods of	00	LD	Lab
Fall 2007	HST455W	455\M	Writing in HST 455	HST	History	Required writing component for 0 HST 455.	UG	LB	Lab
Fall 2007	HST455	455	History	HST	History	4 Latin America. Titles vary.	UG	LE	Lecture
			Latin American			American nations (e.g., Mexico), particular topics (e.g., Authoritarianism), and Colonial			
						Courses offered under this number examine selected Latin			
Fall 2007	HST445	445	History	HST	History	4 Middle East today. Topics vary.	UG	LE	Lecture
			Middle Eastern			history, the Crusades, and the			
						Topics may include Byzantine			
						Middle Ages to the present.			
						and the Middle East from the			
						number examine the Balkans			

							Courses offered under this			
							number examine particular			
							stages of the 20th-century			
							American experience (e.g., the			
							Progressive Era) or selected			
			20th Continu				,			
F-II 0007	LICTAGO	400	20th Century	нст	LP-4		topics (e.g., the Civil Rights	110	. =	1
Fall 2007	HST480	480	US History	HST	History	4	Movement). Topics vary.	UG	LE	Lecture
							Courses offered under this			
							number allow intensive analysis			
							of topics drawn from the entire			
							range of the American			
							experience such as religion,			
			Special Topics				diplomacy, women, immigration,			
Fall 2007	HST485	485	in US Hst	HST	History	4	and urbanization. Topics vary.	UG	LE	Lecture
			Writing in HST				Required writing component for			
Fall 2007	HST485W	485W	485	HST	History	0	HST 485.	UG	LB	Lab
							Courses will allow intensive			
							analysis of subjects in gender			
							history. Topics may include			
							masculinity, femininity, sexuality,			
							family and women's history.			
							Focus may be on one nation,			
							region or comparative			
							perspective. May be taken more			
							than once for credit under			
			Gender				different titles. Also listed as			
Fall 2007	HST486	486	History	HST	History	4	WMS 400.	UG	LE	Lecture
			Writing in HST							
Fall 2007	HST486W	486W	486	HST	History	0		UG	LB	Lab
							Examines the impact of new			
							media on access to primary			
							sources, public programs, history			
							education, scholarship, and the			
							ways in which historians engage			
			History and				with each other. Presents			
Fall 2007	HST488	488	New Media	HST	History	4	productions in a variety of	UG	LE	Lecture

							Examines topics drawing from			
							the African-American experience;			
							may include black ideology and			
							leadership, racial tension in			
			Topics: African-				urban society, and the civil rights			
Fall 2007	HST490	490	Amer Hst	HST	History	4	movement. Topics vary.	UG	LE	Lecture
							Faculty-directed readings in a			
			Independent				field of students' choice.			Independe
Fall 2007	HST491	491	Readings	HST	History	1		UG	IS	nt Study
							Courses offered under this			
							number compare developments			
							or movements in different parts			
							of the world and/or different			
							times in history such as			
							revolutions, slave systems,			
							religious movements, or other			
							human experiences that			
			Comparative				transcend a particular time or			
Fall 2007	HST495	495	History	HST	History	4	place. Topics vary.	UG	LE	Lecture
			Writing in HST							
Fall 2007	HST495W	495W	495	HST	History	0		UG	LB	Lab
							Introduction to the work of			
							representative historians and			
							important theories of historical			
							interpretation. Prerequisites: 18			
Fall 2007	HST600	600	Historiography	HST	History	4	hours of history.	GR	LE	Lecture
							Selected problems in Roman			
			Ancient				history to the death of			
Fall 2007	HST605	605	History	HST	History	4	Constantine in A.D. 337.	GR	LE	Lecture
							From the decline of the Roman			
							Empire to ca. 1450. Topics vary			
							and can include European,			
			The Middle				Islamic, and Byzantine			
Fall 2007	HST610	610	Ages	HST	History	4	civilizations.	GR	LE	Lecture

							Selected problems in European history from the decline of the			
							Roman Empire through the			
			Medieval &				Renaissance and Reformation.			
Fall 2007	HST615	615		HST	History	4	Titles vary.	GR	LE	Lecture
			,		,		Modern Europe from the			
							Enlightenment to the present			
							through a national (e.g.,			
							Germany), chronological (e.g.,			
			Modern				nineteenth century), or topical			
			European				(e.g., socialism) approach. Titles			
Fall 2007	HST625	625	History	HST	History	4	vary.	GR	LE	Lecture
			,		,		Examines particular periods of			
							British history (e.g., modern			
							Britain) or topics (e.g., British			
Fall 2007	HST635	635	British History	HST	History	4	constitutional history). Titles	GR	LE	Lecture
							Variable titles covering a range			
							of topics from the pre-colonial to			
							post-colonial Africa in the 20th			
							century. Can be taken up to four			
			Topics in				(4) additional times (20 hours			
Fall 2007	HST640	640	African History	HST	History	4	total) under variable titles.	GR	LE	Lecture
1							Coursed offered under this			
i							number examine the Balkans			
i							and the Middle East from the			
							Middle Ages to the present.			
							Topics may include Byzantine			
							history, the Crusades, and the			
							Middle East today. Several of			
			Middle Eastern				these courses will be offered			
Fall 2007	HST645	645	History	HST	History	4	jointly with the Department of	GR	LE	Lecture
							Selected Latin American nations			
							(e.g., Mexico), particular topics			
							(e.g., Authoritarianism), and			
			Latin American				colonial Latin American. Titles			
Fall 2007	HST655	655	History	HST	History	4	vary.	GR	LE	Lecture

						Examines various periods of	
Fall 2007	HST665	665	Asian History	HST	Lliston	Chinese, Japanese, and other 4 Asian histories or special topics. GR LE Lectu	ıro
Fall 2007	ПЭ1000	000	Asian History	пэт	History	4 Asian histories or special topics. GR LE Lectu Examines colonial, revolutionary,	ıre
			Early American				
Fall 2007	LICTATO	470		LICT	History	and early republic periods of 4 American history. GR LE Lectu	ıro
Fall 2007	HST670	670	History	HST	History	3	ıre
						Examines distinct periods in the	
			1046 Construe			nineteenth century (e.g., Civil	
F - II 0007	LICT/75	/ 75	19th Century	нст	I Pakama	War and Reconstruction) and	
Fall 2007	HST675	675	US History	HST	History	4 major topics such as slavery. GR LE Lectu	ıre
						Particular stages of the twentieth-	
						century American experience	
						(e.g., the Progressive era) or	
			20th Century			selected topics (e.g., the civil	
Fall 2007	HST680	680	US History	HST	History	4 rights movement, oral history). GR LE Lectu	ıre
						Intensive analysis of topics	
						drawn from the entire range of	
						the American experience, such	
						as religion, diplomacy, women,	
			Special Topics			material culture, immigration,	
Fall 2007	HST685	685	in US Hst	HST	History	4 and urbanization. Titles vary. GR LE Lectu	ıre
						Courses will allow intensive	
						analysis of subjects in gender	
						history. Topics may include	
						masculinity, femininity, sexuality,	
						family and women's history.	
						Focus may be on one nation,	
			Gender			region or a comparative	
Fall 2007	HST686	686	History	HST	History	4 perspective. GR LE Lectu	ıre
						Examines the impact of new	
						media on access to primary	
						sources, public programs, history	
						education, scholarship, and the	
						ways in which historians engage	
1			History and			with each other. Presents	
Fall 2007	HST688	688	New Media	HST	History	4 productions in a variety of GR LE Lectu	ıre

							Intensive analysis of historical			
							topics (e.g., nearby history, oral			
							history) or distinctive periods and			
							areas (e.g., French Revolution).			
							Course will model approaches			
							and introduce scholarship and			
			Hst Inst for				resources of particular value to			
Fall 2007	HST689	689	Educators	HST	History	2	educators. Topics vary.	GR	LE	Lecture
1 411 2007	1131007	007	Eddediors	1101	Thistory		Examines topics drawn from the	OIX		Locture
							African American experience.			
							Topics covered may include			
							black ideology and leadership,			
			Topics in				racial tension in urban society,			
			African-Amer				and the civil rights movement.			
Fall 2007	HST690	690	Hi	HST	History	1	Topics vary.	GR	LE	Lecture
Fall 2007	П31090	090	Independent	ПЭТ	пізіої у	4	Faculty-directed readings in a	GK	LC	Independe
Fall 2007	LICT/01	401	•	HST	History	1		GR	IS	•
Fall 2007	HST691	691	Readings	пэт	History	- 1	field of student's choice.	GK	13	nt Study
							Compares developments or			
							movements in different parts of			
							the world and/or different times			
							in history. May compare			
							revolutions, slave systems,			
							religious movements, or other			
							human experiences that			
			Comparative				transcend a particular time or		1	
Fall 2007	HST695	695	History	HST	History	4	place. Titles vary.	GR	LE	Lecture
			Historical				Intensive training in the research			
Fall 2007	HST700	700	Methods	HST	History	4	methods and materials of	GR	LE	Lecture
							May be repeated with content			
			Sem in US Hst				changes to a maximum of twelve			
Fall 2007	HST701	701	to 1865	HST	History	4	credit hours.	GR	SE	Seminar
							May be repeated with content			
			Sem in US Hst				change to a maximum of twelve			
Fall 2007	HST702	702	Since 1865	HST	History	4	credit hours.	GR	SE	Seminar
							May be repeated with content			
			Sem Anc Med				change to a maximum of twelve			
Fall 2007	HST703	703	& Mod Eur Hst	HST	History	4	credit hours.	GR	SE	Seminar

			Sem in				May be repeated with content			
			Modern				change to a maximum of twelve			
Fall 2007	HST704	704	Europe Hst	HST	History	4	credit hours.	GR	SE	Seminar
							May be repeated with content			
			Sem in Latin				change to a maximum of twelve			
Fall 2007	HST705	705	Am Hst	HST	History	4	credit hours.	GR	SE	Seminar
							May be repeated with content			
			Sem in Asian				change to a maximum of twelve			
Fall 2007	HST706	706	History	HST	History	4	credit hours.	GR	SE	Seminar
							May be repeated with content			
			Sem in African				change to a maximum of twelve			
Fall 2007	HST707	707	Hst	HST	History	4	credit hours.	GR	SE	Seminar
			Seminar in							
Fall 2007	HST708	708	History	HST	History	4	Topics vary.	GR	SE	Seminar
							Conducted as a reading seminar.			
							Focuses on African diaspora in			
							the Americas. Topics include the			
							black experience in the United			
							States and Latin America from			
			Top in African-				the colonial period to the			
Fall 2007	HST709	709	Amer Hst	HST	History	4	present. Topics vary.	GR	LE	Lecture
							Fundamental problems,			
							theoretical principles,			
							techniques, and practical			
							administration of archives and			
							manuscripts; the importance of			
							records in the modern			
							information age and the			
			Archives &				relationship of archives			
Fall 2007	HST710	710	Manuscripts	HST	History	4	administration and records	GR	LE	Lecture
							Defines and discusses the origin			
							and development of local history.			
							Students will learn to identify,			
							locate and use primary and			
			Local History				secondary sources on a variety			
Fall 2007	HST711	711	Research	HST	History	2	of local history topics.	GR	LE	Lecture

Fall 2007	HST712	712	Museum Admin & Collection	HST	History	Introduction to museums and their management; the establishment, functions, rules and duties of non-profits. Introduction to collections theory and practice as well as collections policies, accessioning, deaccessioning, management, care, treatment, and 4 conservation.	GR	LE	Lecture
Fall 2007	HST713	713	Hist Interp & Exhibits	HST	History	Examines interpretation theory and practice. Students will design and construct a museum exhibit including budgeting, research, design, construction, artifact selection, media relations and opening reception.	GR	LE	Lecture
rail 2007	П31713	713	Adv Prob	N31	HISTORY	Students will put into practice the theories and concepts associated with appraisal and acquisition, arrangement and description, reference, and preservation of archival materials. Coursework includes practical experience in	GK	LE	Lecture
Fall 2007	HST714	714	Archival Work Public History	HST	History	4 processing and preserving an Practical training in various aspects of public history and historical administration. Students complete a 300-clock- hour internship and prepare a report on the experience. Permission of the Public History	GR	LE	Lecture
Fall 2007	HST715	715	Internship	HST	History	5 Program Director required.	GR	IN	Internship

Fall 2007	HST725	725	History	HST	History	4	ethics and public memory.	GR	LE	Lecture
			Intro Public				the field. Explores issues of			
							Public History and to careers in			
							origins, nature and varieties of			
							Introduces students to the			
Fall 2007	HST720	720	Project	HST	History	1	Program Director required.	GR	IS	nt Study
							Permission of the Public History			Independe
							preparing a research report).			
							collection, curating an exhibit,			
							processing a manuscript			
							project (editing a diary,			
							Students complete an historical			
Fall 2007	HST717	717	Muse	HST	History	1	pass/unsatisfactory.	GR	LE	Lecture
			Archives &				techniques. Titles vary. Graded			
			Practica:				Archivists' and preservationists'			
Fall 2007	HST716	716	Preservation	HST	History	4	organization.	GR	LE	Lecture
			Historical				program of an historical			
							participation in, the preservation			
							students to the supervision of, or			
							preservation. Introduces			
							practices of architectural			
							Overview of the history and			

						Intensive analysis of topics related to the theory and practice of public history such as American decorative art, archictectural history, history of photography, and history of technology. A. Introduction to American Decorative Arts. The identification of artifacts which may be found in a history museum collection such as furniture, glassware, ceramics and fabrics, by date, material,			
			.			use, style, and manufacture.			
Fall 2007	HST727	727	Topics in Public History	HST	History	B. American Architectural History 4 (previously HST 716 alternate	GR	LE	Lecture
Fall 2007	HST730	730	Archival Records Tech	HST	History	Introduces the uses of digital electronic records systems in an 2 archival setting.	GR	LE	Lecture
			Information		J	Examines the processes and concepts associated with records and information management in			
Fall 2007	HST740	740	Management Seminar in Gender	HST	History	2 a variety of institutional settings. Subjects vary, with a focus on gender as a tool of historical analysis. Topics may include masculinity, femininity, sexuality, family and women's history. Focus may be on one nation region or a comparative	JK	LE	Lecture
Fall 2007	HST750	750	History	HST	History		GR	SE	Seminar
Fall 2007	LICTZOO	700	Continuing	LICT	l liote ::: :		CD.	ıc	Independe
Fall 2007	HST789	789	Registration	HST	History	1	GR	IS	nt Study Independe
Fall 2007	HST799	799	Thesis	HST	History	1	GR	IS	nt Study

							A general introduction to			
			Graduate Intro		Humanitie		interdisciplinary graduate study			
Fall 2007	HUM700	700	- Humanities I	HUM	S	4	in the humanities.	GR	SE	Seminar
							An introduction to graduate			
			Grad Research				research in the humanities with			
			Methods in		Humanitie		primary emphasis on research			
Fall 2007	HUM710	710	Hum	HUM	S	4	writing.	GR	SE	Seminar
							Exploration of a single topic or			
			Graduate Intro				problem from the perspective of			
			- Humanities		Humanitie		a number of disciplines in the			
Fall 2007	HUM720	720	П	HUM	S	4	humanities.	GR	SE	Seminar
			Humanities		Humanitie		Individual project with an			Independe
Fall 2007	HUM730	730	Project	HUM	S	1	advisor. Graded	GR	IS	nt Study
			Continuing		Humanitie					Independe
Fall 2007	HUM789	789	Registration	HUM	S	1		GR	IS	nt Study
							Problems, approaches,			
			Topics in		Humanitie		experiments, and speculations in			
Fall 2007	HUM791	791	Humanities	HUM	S	2	the Humanities.	GR	SE	Seminar
							Individual study in the			
							humanities under the direction of			
							a faculty supervisor. Scope of			
			Directed		Humanitie		project must be outlined in			Independe
Fall 2007	HUM799	799	Studies	HUM	S	1	advance. Titles vary.	GR	IS	nt Study
							Survey of international business			
							and trade functions and			
							processes. The course is			
							designated to familiarize			
							individuals with fundamental			
							principles and practices of			
					Internatio		international trade management.			
			Int'l Business		nal		Open only to non-business			
Fall 2007	IB201	201	and Trade	IB	Business	4	majors.	UG	LE	Lecture
					Internatio		Reading or research in a select			
			Indep		nal		field of International Business.			Independe
Fall 2007	IB477	477	Study:Int'l Bus	IB	Business	1	Topics vary.	UG	IS	nt Study

					Internatio		in International for fulfillment of the			
			Hon: Ind		nal		ogram project			Independe
Fall 2007	IB478	478	Study in IB	IB	Business	2 requireme	• • •	UG	IS	nt Study
1 411 2007	10170	1,70	otady iii 12		Du omioso		or research in a select			The Study
							ternational business.			
1					Internatio		ry. Enrollment			
İ			Spec Topics in		nal	•	n: instructor permission			
Fall 2007	IB480	480	IB	IB	Business	1 only.	ii iiisti dotoi perimission	UG	LE	Lecture
1 411 2007	10100	100	10	10	Dusiness .	•	application in			Lociaro
İ							nal trade. Integrates			
							learning with work			
							es. Students apply			
						•	n learning in an			
					Internatio		ional setting. Limited to			
			Int'l Trade		nal	_	nal business majors			
Fall 2007	IB481	481	Internship	IB	Business	1 with senio	•	UG	IN	Internship
1 dii 2007	15 10 1	101	тистыпр	10	Dusiness		se studies, in both	00		member
							nd French, fundamental			
							of doing business,			
							a, and marketing in the			
						0 0	Union. Examines			
					Internatio	•	nstitutional, behavioral,			
			Business in		nal		agement systems and			
Fall 2007	IB482	482	the EU	IB	Business		rations in the EU.	UG	LE	Lecture
							se studies, in both			
							nd Spanish,			
							ntal concepts of doing			
							managing, marketing			
							merica. Examines			
					Internatio		nstitutional, behavioral,			
			Business in L.		nal		agement systems and			
Fall 2007	IB483	483	America	IB	Business		ration in Latin America.	UG	LE	Lecture

		T					Overview and application of the			
							concepts and principles required			
							to conduct import and export			
					Internatio		operations within the firm.			
			Int'l Trade		nal		Students will prepare an			
Fall 2007	IB486	486	Management	IB	Business	4	international trade plan.	UG	LE	Lecture
1 dii 2007	TD400	100	Wariagement	10	Internatio		international trade plan.	00		Lecture
			Writing in IB		nal		Required writing component for			
Fall 2007	IB486W	486W	486	IB	Business	0	IB 486.	UG	LB	Lab
1 all 2007	1040000	40000	400	טו	DUSITIOSS	U	This course provides students	00	LD	Lab
							with the opportunity to consult			
							for small and medim sized			
							companies on international			
1					Intornatio		•			
			I LII Tuo do		Internatio		business and trade problems.			
F - 11 2007	10407	407	Int'l Trade		nal	4	May be used to satisfy the IB			
Fall 2007	IB496	496	Consulting	IB	Business	4	major internship requirement.	UG	LE	Lecture
					Internatio		Reading or research in a selected			
			Special Topics		nal		field of international business.			
Fall 2007	IB680	680	Intn'l Bus	IB	Business	1	Topics vary.	GR	LE	Lecture
							Practical application in			
							international trade. Integrates			
							academic learning with work			
					Internatio		experiences. Students apply			
			Int'l Business		nal		classroom learning in an			
Fall 2007	IB780	780	Internship	IB	Business	1	organizational setting. Titles	GR	IN	Internship
	\top	T	Special		Internatio		Intensive reading or research in			
			Studies Int'l		nal		a selected field of advanced			Independe
Fall 2007	IB781	781	Bus	IB	Business	1	international business. Titles	GR	IS	nt Study
					Internatio					
			International		nal					Independe
Fall 2007	IE400	400	Education	IE	Education	1		UG	IS	nt Study
		1								
					Internatio					
			International		nal					Independe
Fall 2007	IE700	700	Education	IE	Education	1		GR	IS	nt Study

Fall 2007	ISE195	195	Fund of Indust & Sys Egr	ISE	Industrial & Systems Engr	Provides students with an overview of how engineers design, develop, implement, and improve integrated systems that include people, materials, information, equipment, and energy. (Previously listed as HFE 2 195.)	UG	LE	Lecture
Fall 2007	ISE210	210	Engineering Perspectives	ISE	Industrial & Systems Engr	Explores engineering history and cultures; discusses ethical aspects of professional engineering decisions as they affect the environment and society; introduces graphical presentation software, electronic spreadsheets, statistics, and other analytical tools for solving engineering problems.	UG	LE	Lecture
Fall 2007	ISE210W	210W	Writing in ISE 210 Honors Program	ISE	Industrial & Systems Engr Industrial & Systems	Required writing component for 0 ISE 210. An orientation course intended for juniors who have demonstrated exceptional academic ability and desire to conduct meaningful independent research or solve unique engineering design projects	UG	LB	Lab
Fall 2007	ISE300	300	Seminar	ISE	Engr	0 during their senior year. Meets 5	UG	SE	Seminar

						Presentation of statistical techniques as applied to engineering testing, development, and manufacturing. Introduces and applies probability distributions,
					Industrial	measures of association,
					&	inferences on responses, and
			Stats for Dev		Systems	basic experimental design.
Fall 2007	ISE301	301	& Manuf I	ISE	Engr	4 Emphasizes application of UG LE Lecture
						Continuation of HFE 301. Focus
						on analysis techniques for
						multiple variables, including
						ANOVA and multiple regression,
						as applied to engineering testing,
					la di sakai al	development, and
					Industrial	manufacturing. Process analysis
			Chata fan Dau		& C: :=t=:===	and improvement techniques
Fall 2007	ISE302	302	Stats for Dev & Manuf II	ISE	Systems	presented, along with tools for 4 reliability analysis. UG LE Lecture
Fall 2007	13E3U2	302	& Mariur II	ISE	Engr	4 reliability analysis. UG LE Lecture Seminars meet once a week.
						Guest lecturers from high-tech
						companies provide insight on
						entrepreneurship and innovation.
					Industrial	Students gain an understanding
					&	of the associated challenges, as
			I&E Seminar		Systems	well as the resources available
Fall 2007	ISE405	405	Series	ISE	Engr	1 within the community. UG SE Seminar
					Industrial	
					&	Introduction to the study of
			Hum Fact in		Systems	human factors in the design and
Fall 2007	ISE406	406	Egr & Desg	ISE	Engr	4 operation of machine systems. UG LE Lecture

						Introduction to the application of	
						ergonomic principles to the	
						industrial environment. Includes	
						ergonomic planning and	
					Industrial	implementation, the work	
					&	environment, NIOSH work	
			Industrial		Systems	factors, and work-station and	
Fall 2007	ISE407	407	Ergonomics	ISE	Engr	4 equipment design. UG LE Lectu	re
			J		3	Introduction to the design of	
						visual display systems. Topics	
						include radiometry and	
						photometry, visual perception,	
					Industrial	linear systems analysis, color	
					&	displays, colorimetry three-	
			HFE of Visual		Systems	dimensional displays, standards,	
Fall 2007	ISE431	431	Displays	ISE	Engr	4 and guidelines. UG LE Lectu	re
			- 1 - 7 -		3	Provides human factors	
						engineering students access to a	
					Industrial	variety of engineering and	
			Human		&	behavioral analytic techniques	
			Factors		Systems	critical to the study of work	
Fall 2007	ISE450	450	Analysis	ISE	Engr	3 performance. UG LE Lectu	re
					Industrial		
					&		
			Human Fact		Systems		
Fall 2007	ISE450L	450L	Analysis Lab	ISE	Engr	0 Required laboratory for ISE 450. UG LB Lab	
						Theoretical paradigms in human-	
						computer interaction and their	
						application to interface design	
						are examined. Emphasis is on	
					Industrial	advanced interface technologies,	
			ISE in		&	such as multimodel input/output,	
			Computer Sys		Systems	hypertext, and knowledge-based	
Fall 2007	ISE451	451	Dsgn	ISE	Engr	4 systems. UG LE Lectu	re
					Industrial		
			HFE in		&		
			Comput Sys		Systems		
Fall 2007	ISE451L	451L	Dsgn Lab	ISE	Engr	0 Required laboratory for ISE 451. UG LB Lab	

			Human		Industrial &	A stand alone laboratory course structured to expose students to equipment and procedures used	
Fall 2007	ISE456	456	Factors Egr	ICE	Systems	in human factors engineering 2 research and design. UG LB Lab	
Fall 2007	15E450	450	Lab	ISE	Engr	2 research and design. UG LB Lab (Also listed as CEG 465.) Provide students experience in interactive real-time simulation, design, and implementation and evaluation of interfaces to	
			Interactive Sys		Industrial & Systems	simulations. The relevant topics are explored through application in supervisory control of	
Fall 2007	ISE465	465	Modeling	ISE	Engr	4 complex, dynamic systems. UG LE Lectur Introductory course on Deterministic Models in Operation Research and their	<u>e</u>
Fall 2007	ISSATO	470	Det Oper Research	ICE	Industrial & Systems	Applications in Industrial and Systems Engineering. Students will formulate appropriate models, and obtain and interpret analytical results in the context	
Fall 2007	ISE470	470	Models	ISE	Engr Industrial	4 of ISE problems. Study of quantitative techniques to analyze and predict systems performance. Topics include queuing models, system simulation, model validation,	<u>e</u>
					&	data collection, quantitative	
			Sys Perform		Systems	analysis of system performance,	
Fall 2007	ISE471	471	Modeling	ISE	Engr	4 and system design evaluation. UG LE Lectur	е
					Industrial	Segment one of the ISE senior design sequence. Introduction to patents and engineering ethics included. Practicum	
					&	results in the definition of the	
Eall 2007	105470	472	Dosign I	ICE	Systems	capstone design project to be 3 completed in ISE 473 and ISE UG LE Lectur	-0
Fall 2007	ISE472	472	Design I	ISE	Engr	3 completed in ISE 473 and ISE UG LE Lectur	е

					Industrial				
					&				
			Writing in ISE		Systems	Required writing component for			
Fall 2007	ISE472W	472W	472	ISE	Engr	0 ISE 472.	UG	LB	Lab
						Sement two of the ISE senior			
					Industrial	design sequence. Enables			
					&	students to make use of design			
					Systems	and analytical tools for a realistic			
Fall 2007	ISE473	473	Design II	ISE	Engr	3 problem.	UG	LE	Lecture
					Industrial				
					&				
			Writing in ISE		Systems				
Fall 2007	ISE473W	473W	473	ISE	Engr		UG	LB	Lab
						Segment three of the ISE senior			
					Industrial	design sequence. Practicum			
					&	results in the final engineering			
					Systems	design and completion of the			
Fall 2007	ISE474	474	Design III	ISE	Engr	3 design project.	UG	LE	Lecture
					Industrial				
					&				
E 11 0007	105 47 414	47.434	Writing in ISE		Systems				
Fall 2007	ISE474W	474W	474	ISE	Engr		UG	LB	Lab
						Application of human factors			
						engineering concepts to			
						aerospace systems design.			
						Develops human factors			
					Lorente control of	engineering influence on			
			Δ		Industrial	aerospace system dynamics,			
			Aerospace		& C	structure, and control as well as			
F-II 0007	105 477	477	Human	ICE	Systems	impact on reliability and	110		Lanton
Fall 2007	ISE476	476	Factors	ISE	Engr	4 maintainability.	UG	LE	Lecture

			System Process		Industrial & Systems	Explores engineering management practices including basic problem formulation, process analysis, and system improvement using modern software application programs for flow charting, process mapping, activity modeling, critical path analysis, and			
Fall 2007	ISE477	477	Analysis	ISE	Engr	4 program evaluation review	UG	LE	Lecture
1 uli 2007	ISE 177		Comp Models		Industrial & Systems	Design and implement ISE- focused decision support systems built on existing user interface and computational modules. Applications of linear programming, discrete event siumlation, and operations research methods in dicision			Ecottare
Fall 2007	ISE478	478	for ISE	ISE	Engr	4 support roles.	UG	LE	Lecture
			Egr in Occup		Industrial & Systems	Discusses and demonstrates the role and responsibility of engineers in occupational safety and health related issues. Focuses on the applications of human factors engineering design principles as a proactive approach for controlling			
Fall 2007	ISE480	480	Sfty & Hlth	ISE	Engr	4 occupational injuries.	UG	LE	Lecture
					Industrial &	Introduction to analytical methods and techniques for optimizing the economic outcome of technical and managerial decisions. Includes time value of money, annual costs, present worth, future			
Fall 2007	ICE 401	401	Engineering	ICE	Systems	value, capitalized cost break-	LIC.		Loatura
Fall 2007	ISE481	481	Economy	ISE	Engr	4 even analysis, and valuation and	UG	LE	Lecture

						F	Provides a fundamental			
					Industrial	ι	understanding of techniques for			
			Oper &		&	t	he layout and organization of			
			Facilities		Systems	C	pperations in modern production			
Fall 2007	ISE482	482	Design	ISE	Engr	4 a	and service facilities.	UG	LE	Lecture
						E	Explores industrial engineering			
						C	concepts and quantitative			
						t	echniques as it applies to			
					Industrial	r	nanufacturing planning and			
					&		control systems. Discusses			
			Integ Sys for		Systems	ŗ	production and service industries			
Fall 2007	ISE483	483	Manufact	ISE	Engr	4 8	as well as supply chain systems.	UG	LE	Lecture
							Provide an in-depth coverage of			
						t	heory and methods to the			
						a	analysis and design of			
					Industrial	ŗ	probabilistic systems. Topics			
					&	i	nclude conditional probability,			
			Prob Methods		Systems		narkov chains, and queuing			
Fall 2007	ISE484	484	in OR	ISE	Engr		heory.	UG	LE	Lecture
						1	The course introduces students			
						t	o the practical application of Six			
						5	Sigma tools in manufacturing			
					Industrial	a	and service projects. The course			
					&	a	also includes videotapes and			
			Six Sigma for		Systems	c	ase studies of real-world			
Fall 2007	ISE485	485	Engineers	ISE	Engr	4 i	ndustrial operations.	UG	LE	Lecture
						1	rain students on methods to			
						c	levelop breakthrough products			
						V	vith an entrepreneurial			
						ŗ	perspective and managerial			
						C	outlook. Topics include advanced			
							product development, protecting			
					Industrial		ntellectual property, fostering			
					&		trategic and creative thinking,			
			Tech Based		Systems		effectively leading technology-			
Fall 2007	ISE490	490	Ventures	ISE	Engr		driven teams.	UG	LE	Lecture

					Industrial				
			Special		&	Special topics in human factors			
			Problems in		Systems	engineering. Topics vary.			
Fall 2007	ISE499	499	ISE	ISE	Engr	1 (Previously listed as HFE 499.)	UG	LE	Lecture
						Desktop publishing and graphic			
						terminology used in today's			
						graphics communications will be			
					Informati	explored as well as principles of			
			Graphic		on	design in printed media. Trends,			
			Terminology/D		Technolo	history and ethics are studies			
Fall 2007	IT101	101	sgn Cncpt	IT	gy	3 through print media.	UG	LE	Lecture
						Introduction to the fundamentals			
						and basic terminology of			
						photography. The student will			
						learn proper photography			
					Informati	techniques including posing			Lecture/La
					on	subjects and using photo editing			b
			Beginning		Technolo	software to enhance			Combinatio
Fall 2007	IT121	121	Photography	IT	gy	3 photography. 2 hours lecture/2	UG	LL	n
						Continuation of IT 121.			
						Intermediate photography			
						techniques and terminology.			
						The students will aquire skills in			
					Informati	photography layout and design			Lecture/La
					on	using various phot editing			b
			Intermediate		Technolo	software packages. 2 hours			Combinatio
Fall 2007	IT122	122	Photography	IT	gy	3 lecture/2 hours lab.	UG	LL	n
						Exploration of how art			
						applications relate to graphic			
					Informati	design. Application of design			
					on	principles including organization			
			Art In Graphic		Technolo	and art techniques will be			
Fall 2007	IT130	130	Design	IT	gy	3 covered.	UG	LE	Lecture

						Introduction to the fundamentals	
						of typography as an element and	
						tool of visual communication.	
						Students will learn how fonts	
						work in relation to various	
					Informati		ıre/La
İ					on	creative and marketable b	o, La
İ					Technolo		binatio
Fall 2007	IT140	140	Typography I	IT	gy	3 lecture/2 hours lab. UG LL n	Jiiiatio
		1.10	. , p = g. ap, .		93	Continuation of IT 140.	
						Emphasis on advanced type	
						techniques and formatting.	
i					Informati		ure/La
					on	applying concepts in advanced b	
İ					Technolo		binatio
Fall 2007	IT141	141	Typography II	IT	gy	3 hours lecture/2 hours lab. UG LL n	••••
: <u></u> 			JF - 3 1 J		33	Fundamentals of digital output,	
						development of color	
						separations, media and printing	
						techniques emphasizing the	
					Informati	manufacturing processes. A	
					on	basic course in color and its	
			prin of Color		Technolo	relationship to computer praphic	
Fall 2007	IT160	160	Theory	IT	gy	3 design and printed materials. UG LE Lectu	ıre
						An introduction to computer	
						imaging and photo manipulation	
					Informati		ıre/La
					on	software. Filters and text will be b	
					Technolo	explored. 2 hours lecture/2 Comb	binatio
Fall 2007	IT201	201	Photoshop I	IT	gy	3 hours lab. UG LL n	
						An intermediate computer couse	
						in imaging and photo	
						manipulation. Students will use	
					Informati	Adobe Photoshop to create Lectu	ure/La
					on	original graphics and modify b	
					Technolo	existing images. 2 hours Comb	binatio
Fall 2007	IT202	202	Photshop II	IT	gy	3 lecture/2 hours lab. UG LL n	

						an introduction to the tools,	
						palettes and features in th	
						eAdobe InDesign software.	
						Students will use these features,	
					Informati	along with previously learned	Lecture/La
					on	design skills in working with	b
					Technolo	objects. 2 hours lecture/2 hours	Combinatio
Fall 2007	IT210	210	Graphics I	IT	gy	3 lab. UG LL	n
						demonstration of basic to	
						intermediate drawing techniques	
						using Adobe Illustrator software.	
					Informati	Students will apply previous	
					on	design and color theory	
					Technolo	knowledge in the developement	
Fall 2007	IT211	211	Graphics II	IT	gy	3 of illustrations.	Lecture
						Introductory course to web	
						authoring and programming	
					Informati	using basic HTML authoring tools	Lecture/La
					on	as well as Microsoft FrontPage	b
			Web Theory &		Technolo	software. 2 hours lecture/2	Combinatio
Fall 2007	IT220	220	Design I	IT	gy	3 hours lab. UG LL	n
						Focus on the exploration of	
						additional web design software.	
						Production will move beyond the	
						basics, adding form objects and	
					Informati	other enhancements using	Lecture/La
					on	Micromedia Dreamweaver web	b
			Web Theory &		Technolo	design software. 2 hours	Combinatio
Fall 2007	IT221	221	Design II	IT	gy	3 lecture/2 hours lab. UG LL	n
						construction of a comprehensive	
						web site using various applied	
					Informati	techniques and applications	Lecture/La
					on	utilizing various software	b
			Web Design &		Technolo	packages. 2 hours lecture/2	Combinatio
Fall 2007	IT222	222	Theory III	IT	gy	3 hours lab. UG LL	n

						Techniques and stratagies used	
					16	in advertising and e-commerce	
			_		Informati		.ecture/La
			E-		on	design applications in relation to	•
F 11 0007	ITOOO	000	Commerce/Ad		Technolo		Combinatio
Fall 2007	IT230	230	vertising	IT	gy	3 lecture/2hours lab. UG LL n)
						Exploration of industry leading	
						web and graphic software.	
						Topics to be covered will vary	. "
					Informati	3	.ecture/La
					on	and current software in the	•
L			Adv Software		Technolo		Combinatio
Fall 2007	IT250	250	Exploration	IT	ду	3 lab. UG LL n	1
						Capstone project. This course	
						will allow the student to	
						complete a comprehensive	
						project in graphic design or web	
					Informati		.ecture/La
					on	variety of software packages b	
			Capstone		Technolo	9	Combinatio
Fall 2007	IT270	270	Project	IT	gy	3 degree program. UG LL n	1
					Informati		
					on		
			Independent		Technolo		ndepende
Fall 2007	IT295	295	Study	IT	gy		nt Study
						This course will allow the student	
						to complete an internship at an	
					Informati	approved site utilizing aquired	
					on	graphic and web development	
					Technolo	packages and skills. Sophomore	
Fall 2007	IT299	299	Internship	IT	gy	4 standing. UG IN II	nternship
						Study of the vocabulary and	
						structure of the Italian language;	
						practice in conversation, reading,	
						and writing. 101, 102, 103 must	
			First-Year			be taken in sequence.	
Fall 2007	ITA101	101	Italian	ITA	Italian		.ecture

						Study of the vocabulary and			
						structure of the Italian language;			
			First-Year			practice in conversation, reading,			
Fall 2007	ITA102	102	Italian	ITA	Italian	4 and writing.	UG	LE	Lecture
						Study of the vocabulary and			
						structure of the Italian language;			
			First-Year			practice in conversation, reading,			
Fall 2007	ITA103	103	Italian	ITA	Italian	4 and writing.	UG	LE	Lecture
						Introduction to Italian with			
			Essentials of			emphasis on speaking the			
Fall 2007	ITA111	111	Italian	ITA	Italian	4 language.	UG	LE	Lecture
						Introduction to Italian with an			
						emphasis on speaking the			
						language. May be taken for a			
			Essentials of			letter grade or pass			
Fall 2007	ITA112	112	Italian	ITA	Italian	4 unsatisfactory.	UG	LE	Lecture
						Continued study of the Italian			
						language with practice in			
						speaking, reading, and writing.			
						201 and 202 must be taken in			
			Second-Year			sequence.			
Fall 2007	ITA201	201	Italian	ITA	Italian	4	UG	LE	Lecture
						Continued study of the Italian			
E !! 0007	171000		Second-Year			language with practice in			
Fall 2007	ITA202	202	Italian	ITA	Italian	4 speaking, reading, and writing.	UG	LE	Lecture
						Continued study of the Italian			
			Canad Van			language with practice in			
Fall 2007	IT 4 202	202	Second Year	ITA	Italian	listening, speaking, reading and	UG		Lootumo
Fall 2007	ITA203	203	Italian	IIA	Italian	4 writing. International studnets in	UG	LE	Lecture
						graduate programs requiring a			
						thesis or dissertation and who			
						have completed all degree			
					Intl	requirements may register for			
					Continued	ITL 789. This course is not			
			Int'l Continued		Registrati	graded and does not carry a			
Fall 2007	ITL789	789	Registration	ITL	on	0 tuition charge.	GR	LE	Lecture
. a.i 2007	,0,	,	. togioti attori	1	J	o taition onal go.	٠.,		Locidio

						Study of the vocabulary and			
						structure of the Japanese			
						language; practice in			
						conversation, reading, and			
			First Year			writing. 101, 102, 103 must be			
Fall 2007	JPN101	101	Japanese	JPN	Japanese	4 taken in sequence.	UG	LE	Lecture
			-			Study of the vocabulary and			
						structure of the Japanese			
						language; practice in			
			First Year			conversation, reading, and			
Fall 2007	JPN102	102	Japanese	JPN	Japanese	4 writing.	UG	LE	Lecture
						Study of the vocabulary and			
						structure of the Japanese			
						language; practice in			
			First Year			conversation, reading, and			
Fall 2007	JPN103	103	Japanese	JPN	Japanese	4 writing.	UG	LE	Lecture
						Introduction to Japanese with			
			Essentials of			emphasis on speaking the			
Fall 2007	JPN111	111	Japanese	JPN	Japanese	4 language.	UG	LE	Lecture
						Continued study of the Japanese			
			Second Year			language with practice in			
Fall 2007	JPN201	201	Japanese	JPN	Japanese	4 speaking, reading, and writing.	UG	LE	Lecture
						Continued study of the Japanese			
			Second Year			language with practice in			
Fall 2007	JPN202	202	Japanese	JPN	Japanese	4 speaking, reading, and writing.	UG	LE	Lecture
						Continued study of the Japanese			
						language, with practice in			
			Second Year			listening, speaking, reading and			
Fall 2007	JPN203	203	Japanese	JPN	Japanese	4 writing.	UG	LE	Lecture
						Introduces liberal arts with an			
						overview of program and career			
						opportunities. Includes strategies			
						for achieving academic success			
						through time management,			
			Introduction		Liborol	communication skills, note			
Fall 2007	1 4 1 0 1	101	Introduction		Liberal	taking, test study, test taking,	LIC	1.5	Lactions
Fall 2007	LA101	101	to Liberal Arts	LA	Arts	2 and enrichment opportunities.	UG	LE	Lecture

						Faculty-led reading and			
			Const		Libonal	discussion group centering on			
F-II 2007	1 4 1 0 0	100	Great		Liberal	major foreign policy issues facing			Lastina
Fall 2007	LA199	199	Decisions	LA	Arts	1 the United States. Topics vary.	UG	LE	Lecture
						Assists students in developing			
			E.C. a.l.			academic major and career goals			
			Effective		I de cont	through identifying skills and			
F 11 0007	1 4004	004	Career		Liberal	interests and then researching		0.5	
Fall 2007	LA201	201	Planning	LA	Arts	2 appropriate options.	UG	SE	Seminar
						Work experience in a liberal arts			
						discipline. Faculty supervise and			
						evaluate learning that requires			
						planned and approved learning			
						objectives, oral and/or written			
						reports, employer evaluation,			
			Sophomore			and conference with faculty			
			Cooperative		Liberal	supervisor. May be repeated			
Fall 2007	LA203	203	Edu	LA	Arts	2 three times.	UG	IN	Internship
						Work experience in a liberal arts			
						discipline. Faculty supervise and			
						evaluate learning that requires			
						planned and approved learning			
						objectives, oral and/or written			
						reports, employer evaluation,			
			Sophomore			and conference with faculty			
			Cooperative		Liberal	supervisor. May be repeated			
Fall 2007	LA205	205	Edu	LA	Arts	4 twice.	UG	IN	Internship
						Work experience in a liberal arts			
						discipline. Faculty supervise and			
						evaluate learning that requires			
						planned and approved learning			
						objectives, oral and/or written			
						reports, employer evaluation,			
			Junior			and conference with faculty			
			Cooperative		Liberal	supervisor. May be repeated			
Fall 2007	LA303	303	Education	LA	Arts	2 three times.	UG	IN	Internship

			Junior Cooperative		Liberal	Work experience in a liberal arts discipline. Faculty supervise and evaluate learning that requires planned and approved learning objectives, oral and/or written reports, employer evaluation, and conference with faculty supervisor. may be repeated			
Fall 2007	LA305	305	Studies in Selected	LA	Arts Liberal	4 three times. Work experience in a liberal arts discipline. Faculty supervise and evaluate learning that requires planned and approved learning objectives, oral and/or written reports, employer evaluation, and conference with faculty supervisor. may be repeated	UG	IN	Lecture/La b Combinatio
Fall 2007	LA399	399	Subjects Implementing Career	LA	Arts Liberal	4 three times. Assists students in their career/job search. Through research, analysis, and structured exercises, the participants learn effective jobseeking skills. Final results for students should include	UG	LL	n
Fall 2007	LA401	401	Senior Cooperative	LA	Arts	2 discovering, exploring, and Work experience in a liberal arts discipline. Faculty supervise and evaluate learning that requires planned and approved learning objectives, oral and/or written reports, employer evaluation, and conference with faculty supervisor. May be repeated	UG	LE	Lecture
Fall 2007	LA403	403	Education	LA	Arts	2 three times.	UG	IN	Internship

			Senior Cooperative		Liberal	Work experience in a liberal arts discipline. Faculty supervise and evaluate learning that requires planned and approved learning objectives, oral and/or written reports, employer evaluation, and conference with faculty supervisor. May be repeated twice. Prerequisite: full-time			
Fall 2007	LA405	405	Education	LA	Arts	4 work experience.	UG	IN	Internship
Fall 2007	LA490	490	Senior Project- Selected Stds	LA	Liberal Arts	Intensive studies or work in a selected topic.	UG	LE	Lecture
Fall 2007	LAT101	101	Beginning Latin	LAT	Latin	4 Essentials of the Latin language.	UG	LE	Lecture
Fall 2007	LAT102	102	Beginning Latin	LAT	Latin	4 Essentials of the Latin language.	UG	LE	Lecture
Fall 2007	LAT103	103	Beginning Latin	LAT	Latin	4 Essentials of the Latin language.	UG	LE	Lecture
Fall 2007	LAT201	201	Intermediate Latin	LAT	Latin	Review of essentials and reading for comprehension in selected authors.	UG	LE	Lecture
Fall 2007	LAT202	202	Intermediate Latin	LAT	Latin	Review of essentials and reading for comprehension in selected authors.	UG	LE	Lecture
			Readings in			Plautus, Terence, and Seneca. Study of at least one play in Latin. Topics include importance of Plautus and Terence for the reconstruction of Greek New Comedy, architecture of the Roman theatre, history of Roman tragedy, and the relationship of Seneca's tragedies to his Stoic			
Fall 2007	LAT351	351	Roman Drama	LAT	Latin	4 philosophy.	UG	LE	Lectu

						VC			
						Virgil's Aeneid, Ovid's			
						Metamorphoses; Lucan, Statius,			
						Valerius Flaccus, and Silius.			
						Topics include intent and			
						structure of the Aeneid, history			
						and development of Roman epic,			
						structure and transitional devices			
			Readings in			in the Metamorphoses, and the			
Fall 2007	LAT353	353	Roman Epic	LAT	Latin	4 nature of rhetorical epic.	UG	LE	Lecture
						Roman lyric and elegiac poetry:			
						Virgil's Eclogues; Catullus,			
						Horace, Propertius, Tibullus, and			
						Ovid. Topics include meters and			
						style of Latin lyric, amatory			
			Readings in			tradition, and the influence of			
Fall 2007	LAT355	355	•	LAT	Latin	4 Hellenistic poetry.	UG	LE	Lecture
						Horace, Juvenal, Persius,			
						Petronius, and Martial. Topics			
						include development of this			
						peculiar Roman genre,			
						fragments of Lucilius, satirical			
						methods and techniques, satiric			
			Readings in			epigram, and satire as a source			
Fall 2007	LAT357	357	Roman Satire	LAT	Latin	4 of information about Roman	UG	LE	Lecture
			Studies in			Problems, approaches, and			
			Selected			topics in the field of Latin. Topics			
Fall 2007	LAT399	399	Subjects	LAT	Latin	1 vary.	UG	LE	Lecture
			,			Study of Roman philosophical			
						and didactic literature: Lucretius,			
						Virgil's Georgics, Cicero's			
						philosophical essays, and			
						Quintilian. Topics include Roman			
						attitudes toward Epicureanism,			
						farming as a symbol of			
						contemporary Roman politics,			
			Readings-			Cicero's synthesis of Greek			
			Roman			philosophy, Quintilian, and a			
Fall 2007	I AT451	451		LAT	Latin		UG	l F	Lecture
Fall 2007	LAT451	451	Didactic Lit	LAT	Latin	4 gentleman's education.	UG	LE	Lecture

[-II 2007	LATAF2	452	Rdngs-Roman Hstry &	LAT	Latin	Sallust, Livy, Tacitus, and Suetonius. Topics include Roman historiographical tradition, family and political influences, evidence from nonliterary sources, and influence from Greek			
Fall 2007	LAT453	453	Biography Readings-	LAT	Latin	4 historiography. Cicero's political essays and speeches; the letters of Cicero and Pliny. Topics include the nature of Roman political campaigns, selections from Roman constitutional law,	UG	LE	Lecture
			Roman Politics			information from inscriptions,			ļ
Fall 2007	LAT455	455	& Gov	LAT	Latin	4 and Augustus' Res Gestae.	UG	LE	Lecture
			Independent						Independe
Fall 2007	LAT481	481	Reading	LAT	Latin	1	UG	IS	nt Study
Fall 2007	LAT600	600	Special Project Workshop	LAT	Latin	Intensive study of Latin, including Latin pedagogy, designed for teachers and others who desire to improve or enhance existing ability. Topics	GR	LE	Lecture
Fall 2007	LAT681	681	Independent Reading in Latin	LAT	Latin	Reading and discussion of selected works of Latin literature with emphasis on grammatical, rhetorical, literary, and cultural analysis and criticism. May be repeated for credit by number, but not by content. Prerequisite: three years college Latin or departmental permission. Topics 4 vary.	GR	LE	Lecture

							Legal environment in which business functions. Introduction			
							to law and legal systems, civil			
							law, and white-collar crime.			
							Public law topics include			
			Legal Env of				government regulation. Orivate			
Fall 2007	LAW300	300	Business	LAW	Law	4	law topics include torts and	UG	LE	Lecture
	LAW300		Writing in LAW			-				
Fall 2007	W	300W	300	LAW	Law	0		UG	LB	Lab
							U.S. and state employment			
							discrimination law, court			
			Leg Asp Mgt				decisions, enforcement and			
Fall 2007	LAW420	420	Divr Wrk	LAW	Law	4	workforce diversity.	UG	LE	Lecture
							This course acquaints students			
							with two major areas of study,			
							employer and employee rights			
							and responsibilities. Both are			
							basic areas of common business			
							knowledge required for effective			
			Law for				human resource management			
Fall 2007	LAW440	440	Managers	LAW	Law	4	within organizations.	UG	LE	Lecture
			Special				Reading or research in selected			Independe
Fall 2007	LAW477	477	Studies	LAW	Law	1	area of business law.	UG	IS	nt Study
			Special Topics							
Fall 2007	LAW480	480	in Law	LAW	Law	1	Topics vary.	UG	LE	Lecture
							U.S. and state employment			
							discrimination law, court			
			Leg Asp Mgt				decisions, enforcement, and			
Fall 2007	LAW620	620	Divrs Wrk	LAW	Law	4	workforce diversity.	GR	LE	Lecture
							Deals with current problems of			
							interest and value in the area of			
							business. Topics include			
							government regulation of			
							business, social responsibility of			
			Spec Topics:				business, and legal problems in			
Fall 2007	LAW680	680	Bus & Govt	LAW	Law	4	business.	GR	LE	Lecture

Fall 2007	LAW735	735	Law for Accountants	LAW	Law	Course covers the legal implications of business transactions, particularly as they relate to accounting and auditing. It includes agency law, business structures, government regulation of business, and the Uniform Commercial Code.	GR	LE	Lecture
			Special						
Fall 2007	LAW781	781	Studies in Bus	LAW	Law	1 Topics vary.	GR	LE	Lecture
			LEAP Program						
Fall 2007	LEP001	001	Level 1	LEP	LEAP	0	UG	LE	Lecture
			LEAP Program						
Fall 2007	LEP002	002	Level 2	LEP	LEAP	0	UG	LE	Lecture
			LEAP Program						
Fall 2007	LEP003	003	Level 3	LEP	LEAP	0	UG	LE	Lecture
Fall 2007	LEP004	004	LEAP Bridge	LEP	LEAP	0	UG	LE	Lecture
Fall 2007	LEP004	004	Program	LEP	LEAP	Principles of historical and	UG	LC	Lecture
			Intro to Hstrcl & Cmprtve		Linguistic	comparative study of languages; introduction to Indo-European, Germanic, Romance, and Slavic			
Fall 2007	LI371	371	Ling	LI	S	4 philology.	UG	LE	Lecture
Fall 2007	L1399	399	Studies in Selected Subjects	LI	Linguistic s	Deals with problems, approaches, and topics in the 1 field of linguistics. Topics vary.	UG	LE	Lecture
. un 2007	21077	377	Physiology of		Learning with Disabilitie	This course introduces the student to the physiological and anatomical basis of physical disabilities, including disorders or cognition, impaired mobility and		LL	Ecotorio
Fall 2007	LWD710	710	Disability	LWD	S	4 sensory deprivation.	GR	LE	Lecture

Fall 2007	LWD720	720	Science of Learning	LWD	Learning with Disabilitie s	Survey the field of cognitive psychology with emphasis on those aspects that relate to problems of learning and skill development. Introduce major theoretical perspectives on cognition and learning. Survey empirical work that reflects the 4 different perspectives.	GR	LE	Lecture
Fall 2007	LWD730	730	Adaptations for Disability	LWD	Learning with Disabilitie s	An exploration of how persons with physical, cognitive, and/or sensory disabilities can be accommodated to facilitate productive membership in inclusive school, work and community environments.	GR	LE	Lecture
			Assistive		Learning with Disabilitie	This course provides an understanding of the problems faced by individuals with disability and the variety of assistive technology (AT) solutions currently available to assist these individuals in overcoming these problems. Involved is an understanding of the AT industry and current practices, who the consumer is,			
Fall 2007	LWD740	740	Technology	LWD	Learning with Disabilitie	3 and AT involved in general and This course will provide students with an opportunity to work in the community providing services to individuals who have physical, cognitive and/or learning disabilities. The student will be required to spend a	GR	LE	Lecture
Fall 2007	LWD790	790	Practicum	LWD	S	4 minimum of ten hour per week	GR	LE	Lecture

Fall 2007	M&I220	220	Microbiology- Human Environment	M&I	Microbiolo gy & Immunolo gy	Biology of viruses, bacteria, fungi, protozoans, and helminths as related to their natural environments and host-parasite interaction. Introductory course for students in environmental health, nursing, and patient-oriented paramedical health professions. Four hours lecture, 5 two hours lab.	UG	LE	Lecture
			Microbio-		Microbiolo				
			Human		gy &				
Fall 2007	M&I220L	220L	Environment Lab	M&I	Immunolo gy	0 Required laboratory for M&I 220.	HC	LB	Lab
					Microbiolo gy & Immunolo	This course covers the principles of basic immunology. Cellular and soluable factors associated with innate and adaptive immunities are included. Functions of phagocytes, natural killer (NK) cells, B cells, and T			
Fall 2007	M&I426	426	Immunology	M&I	gy	3 cells are examined.	UG	LE	Lecture
			Pathogenic		Microbiolo gy & Immunolo	Study of microorganisms pathogenic for humans and animals using the organ system approach with emphasis on mechanisms of pathogenesis and			
Fall 2007	M&I427	427	Microbiology	M&I	gy	5 host resistance.	UG	LE	Lecture
			Principles of		Microbiolo gy & Immunolo	Identification of etiological agents of disease. Emphasis on identification of bacteria, fungi, and viruses using cultural and			
Fall 2007	M&I428	428	Lab M&I	M&I	gy	3 immunological methods	UG	LB	Lab

						Introduction to the field of			
						virology; plant, animal, and			
						bacterial viruses. Emphasis on			
					Microbiolo	the intrinsic properties of viruses			
					gy &	and their interaction with cells,			
					Immunolo	multiplication, genetics, and			
Fall 2007	M&I431	431	Virology	M&I	gy	3 tumor induction.	UG	LE	Lecture
1 un 200.	10.01.10.	101	vc.cgj	IVIQ.	93	Microbial and molecular			2001010
						techniques for producing, cloning			
						and characterizing recombinant			
					Microbiolo	DNA molecules; laboratory			
			Recombinant		gy &	exercises in gene manipulation			
			DNA Methods		Immunolo	to give an understanding of the			
Fall 2007	M&I437	437	Lab	M&I	gy	6 principles of genetic engineering.	UG	LB	Lab
					Microbiolo				
					gy &				
			Immunobiolog		Immunolo				
Fall 2007	M&I445	445	y	M&I	gy	5	UG	LE	Lecture
					Microbiolo	Study of the immune system			
					gy &	with emphasis on basic			
					Immunolo	molecular and cellular			
Fall 2007	M&I462	462	Immunology	M&I	gy	3 mechanisms and applications to	UG	LE	Lecture
		$\prod_{i=1}^{n}$			Microbiolo				
			Special		gy &				
			Problems-		Immunolo				
Fall 2007	M&I499	499	Microbiology	M&I	gy	1 33	UG	LE	Lecture
						The basic principles and			
						practices of biosafety are			
						examined. This course teaches			
						the identification, handling, and			
					Microbiolo	containment of potentially			
					gy &	hazardous biological materials,			
			Biological		Immunolo	including microorganisms and			
Fall 2007	M&I634	634	Safety	M&I	gy	2 recombinant DNA.	GR	LE	Lecture

						(Also listed as BMS 775.) This advanced level course will expand the knowledge of basic microbiology by focusing on human-microbial pathogen interactions. The molecular basis of the pathogenic mechanisms will be emphasized. In addition, the student will gain a better
					Microbiolo	appreciation and understanding
					gy &	of the complexities of
			Pathogenic		Immunolo	interactions between microbes
Fall 2007	M&I675	675	Mechanisms	M&I	gy	5 and their human hosts. GR LE Lecture
					Microbiolo	
			Special		gy &	Study of the physiological and
			Problems-		Immunolo	biochemical processes unique to
Fall 2007	M&1699	699	Microbiology	M&I	gy	1 microorganisms. GR LE Lecture
			Immunology &		Microbiolo gy & Immunolo	(Also listed as BMS 802.) Fundamentals of immunobiology and basic virology. Emphasis on the regulatory and cellular level of host immune responses against microbial pathogens, as well as mechanisms of immunopathology, and on the characteristics and molecular
Fall 2007	M&I726	726	Basic Virology	M&I	gy	5 biology of virus pathogens. GR LE Lecture
					Microbiolo gy &	(Also listed as BMS 803.) Microorganisms pathogenic for humans and animals using the organ system approach. Emphasis on mechanisms of pathogenesis and host resistance. Includes a project segment devoted to the independent study of the
			Pathogenic		Immunolo	mechanisms of pathogenesis in
Fall 2007	M&I727	727	Microbiology	M&I	gy	5 the host-parasite interactions of GR LE Lecture

						Identification of etiological			
					Microbiolo	agents of disease with emphasis			
					gy &	on identification of bacteria,			
			Diagnostic		Immunolo	fungi, and viruses using culture			
Fall 2007	M&I728	728		M&I	gy	3 and immunological methods.	GR	LE	Lecture
					33	(Also listed as BMS 807.)			
						Introduction to the field of			
						virology with emphasis on animal			
						viruses. Intrinsic properties of			
						viruses and their interaction with			
					Microbiolo	cells; multiplication, disease			
					gy &	production, genetics, and tumor			
					Immunolo	induction. Projects assigned to			
Fall 2007	M&I731	731	Virology	M&I	gy	3 each student.	GR	LE	Lecture
						(Also listed as BMS 790 and BIO			
						737.) Microbial and molecular			
						techniques for producing,			
						cloning, and characterizing			
						recombinant DNA molecules;			
					Microbiolo	laboratory exercises in gene			
			Recombinant		gy &	manipulation gives an			
			DNA Methods		Immunolo	understanding of the principles			
Fall 2007	M&I737	737	Lab	M&I	gy	6 of genetic engineering. Graded	GR	LB	Lab
						(Also listed as BMS 812.) Biology			
						of the immune system in terms			
						of current concepts of antibody			
						formation and function.			
						Acquired, delayed, and			
						immediate hypersensitivity are			
					Microbiolo	studied with respect to			
					gy &	immunological deficiencies,			
			Immunobiolog		Immunolo	malignancy, tolerance, graft			
Fall 2007	M&I745	745	у	M&I	gy	5 rejection, infection, and acquired	GR	LE	Lecture

						(Also listed as BMS 805, P&B	
						776, PHA 740.) Introduces the	
						concepts of intercellular	
						communication through an	
						interdisciplinary presentation of	
						immune neuroendocrine system	
					Microbiolo	functions. Emphasizes the	
			Intercellular		gy &	similarities between the systems	
			Communicatio		Immunolo	and the multidisciplinary	
Fall 2007	M&I770	770	n	M&I	gy		.E Lecture
					Microbiolo	Signalling and molecular	
i					gy &	mechanisms of apoptotic cell	
			Mechanisms of		Immunolo	death and relationship to human	
Fall 2007	M&I772	772	Cell Death	M&I	gy	3 disease. GR L	.E Lecture
						(Also listed as BIO 777.) Study of	
						the molecular basis of gene	
						therapy and the use of viral gene	
						delivery systems for the	
					Microbiolo	treatment of human disease.	
					gy &	Gene therapy strategies are	
					Immunolo	contrasted with various diseases,	
Fall 2007	M&I777	777	Gene Therapy	M&I	gy	4 including cancer and AIDS. GR L	.E Lecture
					Microbiolo		
					gy &		
			Continuing		Immunolo		
Fall 2007	M&I789	789	Registration	M&I	gy	1 GR L	E Lecture
					Microbiolo		
					gy &		
			Microbiology		Immunolo		
Fall 2007	M&1800	800	Seminar	M&I	gy	1 Graded pass/unsatisfactory. GR S	SE Seminar
					Microbiolo		
					gy &		
			Seminar:		Immunolo		
Fall 2007	M&I801	801	Journal Club	M&I	gy	1 Selected topics in microbiology. GR	SE Seminar

							(Also listed as BMS 808.)			
							Structure, infectious process,			
					Microbiolo		replication, maturation, release,			
			Sem Topics-		gy &		and genetics at the molecular			
			Molecular		Immunolo		level of the major groups of			
Fall 2007	M&I831	831	Virology	M&I	gy	3	animal viruses.	GR	SE	Seminar
					Microbiolo		(Also listed as BMS 809.)			
			Seminar		gy &		Understanding the processes			
			Topics-Viral		Immunolo		involved in cell transformation by			
Fall 2007	M&1833	833	Oncology	M&I	gy	3	oncogenic viruses.	GR	SE	Seminar
							(Also listed as BMS 813.)			
					Microbiolo		Students select, present, and			
			Special Topics		gy &		analyze information from current			
			in		Immunolo		literature in immunobiology.			
Fall 2007	M&1840	840	Immunology	M&I	gy	2	Seminar/discussion format.	GR	LE	Lecture
							Survey of the fundamentals of			
							transplant immunology. Topics			
							include mechanisms of intra- and			
							interspecies rejection,			
							histocompatibility genes and			
							their products, graft-versus-host			
							diseases, immunologically			
					Microbiolo		privileged sites, techniques for			
			Sem-		gy &		immuno-suppression, immune			
			Transplantatio		Immunolo		tolerance, and the			
Fall 2007	M&1842	842	n Immunology	M&I	gy	3	immunobiology of the	GR	LE	Lecture
							The host-tumor relationship is			
							studied intensively.			
					Microbiolo		Interrelationships between tumor			
			Sem Topics-		gy &		growth and host immune			
			Tumor		Immunolo		responses are examined at the			
Fall 2007	M&I843	843	Immunology	M&I	gy	3	molecular and cellular levels.	GR	LE	Lecture
							Maintenance of immune			
					Microbiolo		homeostasis with emphasis on			
			Sem Topics -		gy &		the contributions of lymphocyte			
			Immune		Immunolo		subpopulations. Sequelae of			
Fall 2007	M&I844	844	Regulation	M&I	gy	3	immune imbalance are studied.	GR	LE	Lecture

						(Also listed as BMS 818.)	
						Focuses on both beneficial and	
					Microbiolo	adverse host responses to	
			Sem Tpcs-		gy &	microbial and metazoan	
			Infection &		Immunolo	parasites. Effects of infection on	
Fall 2007	M&I846	846	Immunity	M&I	gy	3 immune function are stressed. GR LE	Lecture
						Immunology as it relates to	
						maternal/fetal interactions.	
						Faculty lectures and student	
						presentations on the fetus as a	
						graft, the passive transfer of	
					Microbiolo	immunity to the fetus, pregnancy	
			Sem -		gy &	loss, and infertility. May be taken	
			Reproductive		Immunolo	for letter grade or	
Fall 2007	M&I851	851	Immunology	M&I	gy	3 pass/unsatisfactory. GR SE	Seminar
						Immunology as it relates to	
						disease processes. Faculty	
						lectures and student	
						presentations on hypersensitivity	
						diseases, immune deficiency	
						diseases, immunologic diagnosis	
					Microbiolo	of disease, tumor immunology,	
			Sem Topics-		gy &	and immunotherapy. May be	
			Clinical		Immunolo	taken for letter grade or	
Fall 2007	M&1852	852	Immunology	M&I	gy	3 pass/unsatisfactory. GR SE	Seminar
					Microbiolo		Lecture/La
					gy &		b
			Microbiology		Immunolo		Combinatio
Fall 2007	M&1899	899	Research	M&I	gy	2 Supervised thesis research. GR LL	n
						Introduction to accounting	
						concepts, procedures and	
						practices. Includes analysis of	
						the effect of transactions on	
						financial position, preparation	
						and analysis of financial	
			Survey of			statements, and use of	
Fall 2007	MBA510	510	Accounting	MBA	MBA	4 accounting information to GR LE	Lecture

Fall 2007	MBA520	520	Survey of Econ for MBA's	MBA	МВА	An introduction to economics. Provides students with modes of reasoning regarding individual and business behavior and enhances student's ability to understand the aggregate 4 economy and how it influences GR LE Lecture An introduction to
Fall 2007	MBA523	523	Survey of Microecon	МВА	МВА	microeconomics. Provides students with facts, theories, and modes of reasoning regarding individual and business behavior. The course is sharply focused to prepare students to succeed in 2 the MBA program at Wright GR LE Lecture
Fall 2007	MBA524	524	Survey of Macroecon	МВА	МВА	An introduction to macroeconomics. Enhances the student's ability to understand the aggregate economy and how it influences business decisions. The course is sharply focused to prepare students to succeed in advanced course work in the 2 MBA program. GR LE Lecture
Fall 2007	MBA530	530	Survey of Finance	MBA	МВА	Theories, concepts, and techniques of financial management. Designed for student with no previous course work in financial management and for those with a need to 4 review the basic techniques. GR LE Lecture

						Survey of quantitative techniques			
						relevant to private and public			
						sector resource allocation,			
						production, and management			
						decision problems, including			
						linear programming, queuing			
			Survey of			analysis, and decision theory.			
			Quant Bus			Emphasis on mathematical			
Fall 2007	MBA580	580	Analysis	MBA	MBA	4 modeling and interpretation of	GR	LE	Lecture
			Independent						Independe
Fall 2007	MBA680	680	Study	MBA	MBA	1	GR	IS	nt Study
						Application of advanced			
						management accounting			
			Strategic Cost			concepts to strategic			
Fall 2007	MBA710	710	Management	MBA	MBA	4 management decisions.	GR	LE	Lecture
						Theories, practices, and patterns			
						of international business and the			
						effect of globalization on the			
						business environment.			
						Interrelationships between			
						interest rates, unemployment,			
			Analysis			economic growth, inflation, and			
			Global			balance of payments impact on			
Fall 2007	MBA720	720	Economy	MBA	MBA	4 businesses.	GR	LE	Lecture
			Economics of						
Fall 2007	MBA728	728	Innovation	MBA	MBA	4	GR	LE	Lecture
						Application of finance concepts			
						theories, and techniques of			
						financial management. Emphasis			
			Fin Analysis &			on case problems and decision			
Fall 2007	MBA730	730	Dec Making	MBA	MBA	4 making.	GR	LE	Lecture
1 411 2007	IVIDATO	730	Dec Making	IVIDA	IVIDA	Interdisciplinary study of the	OIX		Lecture
						legal, ethical, and public policy			
						issues in the global environment.			
						Topics include restraints on			
						· ·			
			Logal/Ethical			competition, environmental			
Fall 2007	MD 4 7 4 0	740	Legal/Ethical	MDA	MDA	regulation, product quality,	CD	l E	l oot
Fall 2007	MBA740	740	Dec Making	MBA	MBA	4 employment, and technology.	GR	LE	Lecture

F-11 2007	MDAZEO	750	Leading Teams/Organi	MDA	MDA	A hands-on, experience-based course devoted to leading people and teams in today's workplace. Emphasizes communication, conflict resolution, influence strategies, and empowerment			
Fall 2007	MBA750	750	Za	МВА	MBA	4 principles. Competitive strategy as practiced in organizations from an integrated (cross-functional) perspective. Industries, competition, and other environmental forces are analyzed to determine an organization's competitive	GR	LE	Lecture
Fall 2007	MBA755	755	Strategy Marketing	МВА	MBA	4 strategy. Student team work Overview of managing the marketing mix variables and discussion of marketing plans, formation of strategies and problem solving. Material will be covered by readings and discussion of cases. Individual and team exercises will be	GR	LE	Lecture
Fall 2007	MBA760	760	Strategy Info Tech &	MBA	MBA	4 assigned. Examining the use of IT to improve a firm's operational effectiveness and strategic positioning. Identify and evaluate changes in information and physical flows, cost structures and market forces	GR	LE	Lecture
Fall 2007	MBA770	770	Bus Trnfrmtn	MBA	MBA	4 that IT causes throughout value	GR	LE	Lecture

							Explores the fundamentals of			
							supply chain management,			
							including the strategic role of the			
							supply chain, key drivers of			
							supply chain performance, and			
							analytical tools and techniques			
			Supply Chain				for supply chain analysis. Cases			
Fall 2007	MBA780	780	Supply Chain	MBA	MBA	1	and in-class exercises.	GR	LE	Lecture
Fall 2007	IVIDA / OU	700	Mgmt	IVIDA	IVIDA	4			LE	Lecture
							Introduction to the principles and			
							practice of mechanical and			
							materials engineering design.			
							Fundamental design philosophy			
							using a hands-on approach,			
					Mechanic		including topics such as safety,			
			Funs of		al and		ethics, and product liability.			
			Engineering		Materials		Teamwork and communicated			
Fall 2007	ME199	199	Design	ME	Engr	3	skills are stressed.	UG	LE	Lecture
							Basic techniques of computer-			
							aided engineering drawing.			
							Graphic primitives, drawing,			
							editing, dimensioning, multiple			
					Mechanic		views, hatching, drawing			Lecture/La
					al and		intelligence, and three-			b
			Computer-		Materials		dimensional modeling. One hour			Combinatio
Fall 2007	ME201	201	Aided Drafting	ME	Engr	2	lecture, two hours lab.	UG	LL	n
					Mechanic					
			Computer-		al and					
			Aided Drafting		Materials					
Fall 2007	ME201L	201L	Lab	ME	Engr	0	Required laboratory for ME 201	UG	LB	Lab
							Basic concepts of engineering			
							drawing with applications to			
							manual and computer-aided			
					Mechanic		drafting: multiview projections;			
			Mech Drawing		al and		sectional, auxiliary, and pictorial			
			Solid Modl		Materials		views; dimensioning; and			
Fall 2007	ME202	202	Design	ME	Engr	4	intersections and developments.	UG	LE	Lecture

					Mechanic				
					al and				
			Engineering		Materials				
Fall 2007	ME202L	202L	Graphics Lab	ME	Engr	0 Reqired laboratory for ME 202.	UG	LB	Lab
						Forces, resultants, components,			
						equilibrium of particles,			
					Mechanic	equilibrium of rigid bodies,			
					al and	centroids and centers of gravity,			
					Materials	analysis of structures, friction,			
Fall 2007	ME212	212	Statics	ME	Engr	4 and moments of inertia.	UG	LE	Lecture
						Vector treatment of the			
						kinematics and kinetics of			
					Mechanic	particles and rigid bodies, based			
					al and	on Newton's laws and including			
					Materials	work-energy and impulse-			
Fall 2007	ME213	213	Dynamics	ME	Engr	4 momentum techniques.	UG	LE	Lecture
						Fundamentals of manufacturing			
						processes, materials,			
						measurement and quality			
						assurance, casting processes,			
						forming processes, material			
					Mechanic	removal processes, joining			
					al and	processes, and other processes			
			Manufacturing		Materials	and techniques related to			
Fall 2007	ME220	220	Process	ME	Engr	3 manufacturing.	UG	LE	Lecture
						Discusses axial and shear			
						stresses and strains, bi-axial			
						loading, torsion of circular shafts	,		
					Mechanic	shear and bending moment			
					al and	diagrams, deflection of beams,			
			Strength of		Materials	and column theory. Four hours			
Fall 2007	ME313	313	Materials	ME	Engr	4 lecture, two hours lab.	UG	LE	Lecture
					Mechanic				
					al and				
			Strength of		Materials				
Fall 2007	ME313L	313L	Materials Lab	ME	Engr	0 Required laboratory for ME 313.	UG	LB	Lab

							Techniques, equipment and			
							measurement procedures used			
					Mechanic		by Mechanical Engineers.			Lecture/La
					al and		Writing lab reports, performing			b
			Exp. Meas.		Materials		data acquisition, and applying			Combinatio
Fall 2007	ME314	314	and Instr.	ME	Engr	4	statistics to experimental data.	UG	LL	n
					Mechanic		Classical thermodynamics with			
					al and		applications of the first and			
			Thermodynam		Materials		second laws to engineering			
Fall 2007	ME315	315	ics I	ME	Engr	4	systems.	UG	LE	Lecture
							Concepts of energy, power			
					Mechanic		cycles, refrigeration cycles, gas			
					al and		mixutres, vapor-gas mixtures,			
			Thermodynam		Materials		and combustion.			
Fall 2007	ME316	316	ics II	ME	Engr	4		UG	LE	Lecture
					Mechanic					
					al and					
			Thermodynam		Materials					
Fall 2007	ME316L	316L	ics II Lab	ME	Engr	0	Required laboratory for ME 316.	UG	LB	Lab
					Mechanic		Study of fluid properties, fluid			
					al and		statics, incompressible flows,			
			Fluid		Materials		real fluid flows, and flow			
Fall 2007	ME317	317	Dynamics	ME	Engr	4	measurement.	UG	LE	Lecture
					Mechanic					
			Fluid		al and					
			Dynamics		Materials					
Fall 2007	ME317L	317L	Laboratory	ME	Engr	0	Required laboratory for ME 317.	UG	LB	Lab
							energy due to a temperature			
							difference. The three modes of			
							heat transfer are investigated:			
					Mechanic		conduction, convections and			
					al and		radiation. Detailed look at Heat			
					Materials		Equation.			
Fall 2007	ME318	318	Heat Transfer	ME	Engr	4		UG	LE	Lecture
					Mechanic					
					al and					
			Heat Transfer		Materials					
Fall 2007	ME318L	318L	Laboratory	ME	Engr	0	Required laboratory for ME 318.	UG	LB	Lab

						Introduces students to the	
						system level modeling of	
						dynamic engineering systems	
						including, but not restricted to,	
						linear and rotational mechanical,	
					Mechanic	fluid, thermal, and electrical	
					al and	systems. Modeling of control	
			System		Materials	devices (motors, heaters,	
Fall 2007	ME360	360	Dynamics	ME	Engr	4 pumps) is addressed. UG LE	Lecture
1 411 2007	WILDOO	000	Dynamics	IVIL	Lingi	Effect of atomic, molecular, and	Lociulo
						crystalline structure on the	
					Mechanic	properties of materials with	
			Material		al and	emphasis on electronic materials	
			Engineering		Materials	and ceramics; characterization of	
Fall 2007	ME370	370	0	ME	Engr	4 materials; and device fabrication. UG LE	Lecture
		0.0				Effect of microstructure, phase	200100
					Mechanic	equilibrium, and processing on	
			Structure &		al and	properties of structural materials	
			Prprts-Egr		Materials	including metallic alloys,	
Fall 2007	ME371	371	Mtrls	ME	Engr	3 polymers, and composites. UG LE	Lecture
					3	Application of classical	
						thermodynamics to engineering	
						materials. Heats of formation	
					Mechanic	and reaction; behavior of	
			Thermodynam		al and	solutions; free energy concepts;	
			ics of		Materials	thermodynamic fundamentals of	
Fall 2007	ME375	375	Materials	ME	Engr	4 phase equilibria. UG LE	Lecture
						Fundamentals of structure	
						property relations in metals and	
						alloys related to transformations	
						and kinetics. Application to	
					Mechanic	recovery and recrystallization,	
					al and	solidification, precipitation	
			Physical		Materials	strengthening, and displacive	
Fall 2007	ME376	376	Metallurgy	ME	Engr	3 transformations. UG LE	Lecture

						Preparation of metallographic			
					Mechanic	specimens; use of the			
					al and	metallurgical microscope			
			Metallography		Materials	including the preparation of			
Fall 2007	ME385	385	Laboratory	ME	Engr	2 photomicrographs.	UG	LB	Lab
			3			Fundamentals of mechanical			
						testing instrumentation and			
						techniques including the tensile			
					Mechanic	test, hardness tests, effect of			
			Materials		al and	heat-treatment on strength, and			
			Testing		Materials	correlation of microstructure,			
Fall 2007	ME386	386	Laboratory	ME	Engr	2 composition, and properties.	UG	LE	Lecture
						Graphic, analytical, numerical,			
						and symbolic techniques are			
						used in the kinematic and			
						dynamic analysis of machines.			
					Mechanic	Computer-aided design of			
			Kinematics &		al and	mechanisms is introduced.			
			Design-		Materials	Emphasis on the application of			
Fall 2007	ME405	405	Mechanism	ME	Engr	4 these techniques to planar	UG	LE	Lecture
						Concepts of minima and			
					Mechanic	maxima; linear, dynamic,			
					al and	integer, and nonlinear			
			Design		Materials	programming; variational			
Fall 2007	ME408	408	Optimization	ME	Engr	3 methods. Engineering	UG	LE	Lecture
						Stress, deformation, and stability			
						analysis of aerospace structures.			
						Thin-walled members bending,			
					Mechanic	torsion, and shear stresses			
					al and	calculation			
			Aerospace		Materials	in multicell structures. Buckling			
Fall 2007	ME409	409	Structures	ME	Engr	4 of thin plates.	UG	LE	Lecture

			Finite Element		Mechanic al and Materials	Finite element formulations for line, surface, bending, torsion, and three dimensional elements. Numerical methods and application of FEM programs in structural design and solid
Fall 2007	ME412	412	Analysis	ME	Engr	4 mechanics. UG LE Lecture
E !! 0007	METALO	44.01	Finite Element	ME	Mechanic al and Materials	
Fall 2007	ME412L	412L	Analysis Lab	ME	Engr	0 Required laboratory for ME 412. UG LB Lab
Fall 2007	ME414	414	Mechanical Design I	ME	Mechanic al and Materials Engr	Fundamental concepts in design for static strength, fatigue, and impact loading; application to selected mechanical components 4 and systems. UG LE Lecture
Fall 2007	ME415	415	Mechanical Design II	ME	Mechanic al and Materials Engr	Design of mechanical elements such as springs, bearings, shafts, gears, clutches, brakes, and flywheels. Students conduct an 4 individual design project.
			Mechanics of		Mechanic al and Materials	viscous flow for laminar and turbulent flows. Boundary layer analysis. Analytical and numerical solutions of the equation of motion.
Fall 2007	ME417	417	Viscous Fluids	ME	Engr	4 UG LE Lecture
			Heat Conduction		Mechanic al and Materials	Analytical and numerical techniques for heat conduction problems in one, two, and three dimensions for steady and transient cases. Phase-change
Fall 2007	ME418	418	Solids	ME	Engr	3 problems. UG LE Lecture
Fall 2007	ME423	423	Energy Conversion	ME	Mechanic al and Materials Engr	Important new developments in energy conversion. Thermoelectric, photoelectric, thermionic, and 4 electromechanical systems are UG LE Lecture

						Francisco estada estada estado			
						Fundamentals of solar radiation			
						and how it can be utilized as an			
						energy source. Flat plate			
						collectors, concentrating			
					Mechanic	collectors, solar hot water			
					al and	heating, photovoltaics and			
			Solar		Materials	thermal energy storage will be			
Fall 2007	ME424	424	Engineering	ME	Engr	4 discussed.	UG	LE	Lecture
						Aviation history. Standard			
						atmosphere, basic aerodynamics,			
						theory of lift, airplane			
					Mechanic	performance, principles of			
					al and	stability and control, and			
					Materials	astronautics and propulsion			
Fall 2007	ME430	430	Aeronautics	ME	Engr	4 concepts.	UG	LE	Lecture
						Engine cycle analysis;			
						combustion fundamentals;			
					Mechanic	reciprocating engines, propellers;			
					al and	applications to turbojet,			
			Aerospace		Materials	turbofan, turboprop, ramjet,			
Fall 2007	ME431	431	Propulsion	ME	Engr	4 SCRAM jet, and rocket engines.	UG	LE	Lecture
			'			Development of the equations			
						for general aircraft motion.			
						Perturbed state equations. Basic			
						aerodynamic characteristics,			
						control surface effectiveness,			
					Mechanic	stability and control derivatives.			
					al and	Dynamic stability and control of			
			Flight Control		Materials	the airplane. Automatic flight			
Fall 2007	ME432	432	Systems	ME	Engr	4 control.	UG	LE	Lecture
1 411 2007	IIIL 10L	102	Gystoriis			Fundamentals of gas flow in the			200141.0
						subsonic to supersonic flow			
						regimes. Wave propagation in			
						compressible medium, one-			
					Mechanic	dimensional isentropic flow with			
					al and	area change, frictional effects,			
			Compressible		Materials	heat transfer effects and two			
Fall 2007	ME433	433	Flow	ME		4 dimensional waves.	UG	LE	Lecture
Fall 2007	IVIE433	433	FIUW	IVIE	Engr	4 Ultrichsional waves.	UG	LE	Lecture

						Introduction to CFD methods; governing equations, PDEs, finite			
					Mechanic	difference numerical methods,			
			Computational		al and	stability analysis, incompressible			
			Fluid		Materials	and compressible flows, subsonic			
Fall 2007	ME434	434	Dynamics	ME	Engr	4 to supersonic flows.	UG	LE	Lecture
			,		3	Develops students abilities to			
						derive and solve vehicle			
						equations and introduces how			
					Mechanic	dynamic analysis is used in			
					al and	vehicle design. Various			
			Vehicle		Materials	performance criteria, control			
Fall 2007	ME442	442	Engineering	ME	Engr	3 concepts, and HEVs will be	UG	LE	Lecture
						Thermodynamics of I.C. engines,			
					Mechanic	combustion thermodynamics,			
			Prn-Internal		al and	friction, heat and mass losses,			
			Combustion		Materials	and computer control of the			
Fall 2007	ME444	444	Engine	ME	Engr	4 modern fuel-injected I.C. engine.	UG	LE	Lecture
						Introduction to the mathematics,			
						programming, and control of			
						robots. Topics include coordinate			
					Mechanic	systems and transformations,			
					al and	manipulator kinematics and			
			Introduction		Materials	inverse kinematics, trajectory			
Fall 2007	ME456	456	to Robotics	ME	Engr	4 planning, jacobians and control.	UG	LE	Lecture
					Mechanic				
			Introduction		al and				
			to Robotics		Materials				
Fall 2007	ME456L	456L	Lab	ME	Engr	0 Required laboratory for ME 456.	UG	LB	Lab
						Develops understanding in			
						measurements, conveys the			
						principles and practice for design			
						of systems including uncertainty			
					Maahanis	and signal reconstruction, and			
			I motor contact!		Mechanic	establishes the physical			
			Instrumentatio		al and	principles and techniques used to			
Eall 2007	MEAEO	450	n &	NAE	Materials	measure those quantities most	LIC	LE	Loctura
Fall 2007	ME458	458	Measurement	IVIE	Engr	4 important for applications.	UG	LE	Lecture

Fall 2007	ME460	460	Mechanical Vibrations	ME	Mechanic al and Materials Engr Mechanic al and	Modeling and analysis of single and multi-degree of freedom systems under free and forced vibration and impact, Lagrangian and matrix formulations, energy methods, and introduction to 4 random vibrations.	UG	LE	Lecture
			Mechanical		Materials				
Fall 2007	ME460L	460L	Vibrations Lab	ME	Engr	0 Required laboratory for ME 460.	UG	LB	Lab
Fall 2007	ME464	464	Mechanical Sys MdIng & Design	ME	Mechanic al and Materials Engr	This course will teach students how to model complex mechanical systems as a set of simple, linear or nonlinear components for the purpose of design. Students will be introduced to modern 4 computational tools. Engineering aspects of failure	UG	LE	Lecture
			Failure		Mechanic al and Materials	analysis, failure mechanisms and related environmental factors, and analysis of actual service			
Fall 2007	ME470	470	Analysis Nondestructiv	ME	Mechanic al and Materials	4 failure. Lectures will cover: Principles and applications of Eddy Current techniques, Wave Propagation in guided wave modes, Ultrasonics, Acoustic Emission, Radiography, Modeling and Analysis, Introduction to signal processing	UG	LE	Lecture
Fall 2007	ME471	471	e Evaluation	ME	Engr	4 and Specifications and	UG	LE	Lecture

						This course introduces polymers
						·
						as engineering materials and
						covers fundamental concepts in
						polymer science and
						engineering. This includes
						polymerization processes
					Mechanic	morphology and crystallinity,
			Strctre &		al and	thermal transitions,
			Prprts-Engr		Materials	viscoelasticty, rubber elasticity,
Fall 2007	ME472	472	Polymers	ME	Engr	4 aging and contemporary issues UG LE Lecture
						Principles of materials-limited
						design. Lectures, case histories,
						open-ended assignments and
						computer based materials
						selection tools. Procedures for
					Mechanic	selection of optimum material(s)
					al and	under constraints resulting from
			Mat Sel for		Materials	functional, reliability, safety, cost
Fall 2007	ME474	474	Mech Design	ME	Engr	4 and environmental issues. UG LE Lecture
						The design and use of high
						temperature superalloys,
					Mechanic	strengthening mechanisms,
			High		al and	creep and fatigue, corrosion and
			Temperature		Materials	oxidation, protective coatings,
Fall 2007	ME475	475	Materials	ME	Engr	3 and alternative materials. UG LE Lecture
						Crystal plasticity and single
						crystal behavior. Introduction to
						dislocation theory. Strengthening
					Mechanic	mechanisms and polycrystalline
			Mechanical		al and	behavior. Introduction to
			Behavior-		Materials	viscoelasticity. Fracture, fatigue,
Fall 2007	ME477	477	Materials	ME	Engr	4 and creep of materials. UG LE Lecture
						(Also listed as GL 474.) Electron
						microprobe and X-ray
					Mechanic	fluorescence for analysis of
					al and	alloys and other materials
			X-Ray Spectral		Materials	explained and demonstrated on
Fall 2007	ME478	478	Analysis	ME	Engr	3 examples. Two hours lecture, UG LE Lecture

					Mechanic				
					al and				
			X-Ray Spectral		Materials				
Fall 2007	ME478L	478L	Analysis Lab	ME	Engr	0 Required laboratory for ME 478.	UG	LE	Lecture
						(Also listed as CHM 479.) Survey			
						of principles of corrosion			
					Mechanic	processes with application to			
					al and	metallic and nonmetallic			
			Materials		Materials	materials. Principles of electro-			
Fall 2007	ME479	479	Composition	ME	Engr	4 chemistry are included.	UG	LE	Lecture
						Introduction to the theory and			
					Mechanic	practice of diffraction methods in			Lecture/La
			X-Ray		al and	the study of alloys, refractory			b
			Methods in		Materials	materials, and polymers. Two			Combinatio
Fall 2007	ME480	480	Material Sci	ME	Engr	4 hours lecture, four hours lab.	UG	LL	n
					Mechanic	Principles of characterization of			
			Materials		al and	materials based on particle and			
			Characterizatio		Materials	wave taxonomies integrated with			
Fall 2007	ME481	481	n	ME	Engr	4 sensor methods and principles.	UG	LE	Lecture
						Principles that govern image			
						formation and electron			
					Mechanic	diffraction of crystalline			Lecture/La
			Intro-		al and	materials, laboratory			b
			Transmission		Materials	demonstrations and experiments			Combinatio
Fall 2007	ME482	482	Electron Mi	ME	Engr	4 to illustrate the principles. Three	UG	LL	n
						Ceramic and refractory raw			
						materials and products; atomic			
						structure and bonding; structure			
					Mechanic	of crystalline phases and glasses;			
					al and	structural imperfections;			
			Introduction		Materials	diffusion in oxides; phase			
Fall 2007	ME483	483	to Ceramics	ME	Engr	3 equilibria; and processing of	UG	LE	Lecture

	1					D : : : .	1	T	
						Processing, microstructure, and			
						properties of ceramics; defect			
						equilibria in oxides; thermal,			
						optical, electrical, and			
					Mechanic	mechanical properties of ceramic			
					al and	materials; ceramics for special			
			Physical		Materials	applications. Three hours			
Fall 2007	ME484	484	Ceramics	ME	Engr	4 lecture, two hours lab.	UG	LE	Lecture
					Mechanic				
			Physical		al and				
			Ceramics		Materials				
Fall 2007	ME484L	484L	Laboratory	ME	Engr	0 Required laboratory for ME 484.	UG	LB	Lab
						Fundamentals of melt			
						solidification, application to			
					Mechanic	metals casting technology, and			
					al and	an introduction to powder			
			Solidification		Materials	metallurgy. Three hours lecture,			
Fall 2007	ME485	485	Processing	ME	Engr	4 two hours lab.	UG	LE	Lecture
					Mechanic				
					al and				
			Solidification		Materials				
Fall 2007	ME485L	485L	Processing Lab	ME	Engr	0 Required laboratory for ME 485.	UG	LB	Lab
						Fundamentals of principal			
						deformation processing systems			
						including forging, extrusion,			
						rolling, and sheet forming;			
					Mechanic	material response and			Lecture/La
					al and	formability; and mechanics and			b
			Deformation		Materials	analysis of selected processes.			Combinatio
Fall 2007	ME486	486	Processing	ME	Engr	4 Three hours lecture, two hours	UG	LL	n
						Fundamentals of machining with			
						an emphasis on engineering			
						models of machinability, chip			
						formation, cutting forces and			
					Mechanic	power, and lubrication.			
					al and	Introduction to numerical control			
					Materials	machining. Three hours lecture,			
Fall 2007	ME487	487	Machining	ME	Engr	4 two hours lab.	UG	LE	Lecture

					Mechanic al and				
			Machining		Materials				
Fall 2007	ME487L	487L	Laboratory	ME	Engr	0 Required laboratory for ME 487.	UG	LB	Lab
						Fundamental metallurgy and			
						ceramic science of powder			
						processing techniques. Details of			
						current powder processing			
						technology and methods. Hands-			
					Mechanic	on laboratory experience with			
			Powder		al and	both metal and ceramic			
E 11 0007		400	Processing		Materials	materials. Three hours lecture,			
Fall 2007	ME488	488	Materials	ME	Engr	4 two hours lab.	UG	LE	Lecture
			Davidan		Mechanic				
			Powder		al and				
F-II 2007	NAE 4001	4001	Processing	N 4 E	Materials	O Danishad Jakanatan fan ME 400		LD	l ab
Fall 2007	ME488L	488L	Laboratory	ME	Engr	0 Required laboratory for ME 488.	UG	LB	Lab
						(Also listed as CHM 469.)			
						Properties and manufacturing processes of engineering plastics			
					Mechanic	and effect of these factors on			
					al and	plastics design. Illustrative			
			Engineering		Materials	laboratory projects included.			
Fall 2007	ME489	489	Plastics	ME	Engr	4 Two hours lecture, four hours	UG	LE	Lecture
1 411 2007	IVILTO	707	i iastics	IVIL	Mechanic	7 TWO Hours lecture, roul flours	00	LL	Lecture
					al and				
			Engineering		Materials				
Fall 2007	ME489L	489L	Plastics Lab	ME	Engr	0 Required laboratory for ME 489.	UG	LB	Lab

Fall 2007	ME490	490	Engineering Design I	ME	Mechanic al and Materials Engr	Independent investigation of contemporary engineering problems under the guidance of an instructor. Topics selected to meet the needs and interests of students. Research of professional literature and submission of an engineering report required. Two hours lecture, two hours lab, one hour 4 recitation.	UG	LE	Lecture
i ali 2007	IVIE47U	470	Design	IVIE	Mechanic	4 recitation.	Jug	LE	Lecture
			Engineering		al and Materials				
Fall 2007	ME490L	490L	Design I Lab	ME	Engr Mechanic	0 Required laboratory for ME 490.	UG	LB	Lab
Fall 2007	ME490R	490R	Engineering Design I Rec	ME	al and Materials Engr	0 required recitation for ME 490.	UG	RE	Recitation
			Writing in ME		Mechanic al and Materials	Required writing component for			
Fall 2007	ME490W	490W	490	ME	Engr	0 ME 490.	UG	LB	Lab
					Mechanic al and	Independent investigation of contemporary engineering problems under the guidance of an instructor. Topics selected to meet the needs and interests of students. Research of professional literature and submission of an engineering report required. Two hours			
- U 0007	145.404	404	Engineering		Materials	lecture, two hours lab, one hour			
Fall 2007	ME491	491	Design II	ME	Engr Mechanic al and	4 recitation.	UG	LE	Lecture
Eall 2007	ME 4011	4011	Engineering	ME	Materials	O Doquirod laboratory for ME 401	LIC	I P	Lab
Fall 2007	ME491L	491L	Design II Lab	ME	Engr	0 Required laboratory for ME 491.	UG	LB	Lab

					Mechanic					
					al and					
			Engineering		Materials					
Fall 2007	ME491R	491R	Design II Rec	ME	Engr	0	Required recitation for ME 491.	UG	RE	Recitation
					Mechanic					
					al and					
			Writing in ME		Materials					
Fall 2007	ME491W	491W	491	ME	Engr	0		UG	LB	Lab
							Fundamentals of mechanical			
							drawing, computer-aided design			
							(CAD) and solid modeling using			
					Mechanic		modern commercial software.			
			Materials		al and		Course culminates in the design			
			Engineering		Materials		and fabrication of an actual			
Fall 2007	ME492	492	Design	ME	Engr	4	prototype part.	UG	LE	Lecture
					Mechanic					
			Materials		al and					
- II 0007		4001	Engineering		Materials					
Fall 2007	ME492L	492L	Dsgn Lab	ME	Engr	0	Required laboratory for ME 492.	UG	LB	Lab
					Mechanic					
			\A('\\' \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		al and					
F - II 0007	ME 400M	400\4/	Writing in ME		Materials		Required writing component for			1 - 1-
Fall 2007	ME492W	492W	492	ME	Engr		ME 492.	UG	LB	Lab
							Independent investigation of a			
							contemporary problem in materials science and			
					Mechanic					Lecture/La
			Materials		al and		engineering under faculty guidance. Project design and			_
					Materials		reporting are emphasized along			b Combinatio
Fall 2007	ME493	493	Engineering Dsgn II	ME	Engr		with analysis, synthesis, and	UG	LL	n
1 411 2007	IVIL473	473	Dagirii	IVIL	Mechanic	4	with analysis, synthesis, and	UG	LL	
					al and					
			Writing in ME		Materials					
Fall 2007	ME493W	493W	493	ME	Engr	0		UG	LB	Lab
1 411 2007	IVILTION	17344	173	141	Mechanic	•	Experiments in thermodynamics,	30	LD	Lub
					al and		fluid dynamics and heat transfer			
			Thermal-Fluid		Materials		will be performed. Lab reports			
Fall 2007	ME495	495	Lab	ME	Engr		will be written.	UG	LB	Lab
• • •	1=	1		1	-··g·	_			1	

						Introduction to experimental			
						procedures and measurement			
						techniques used in modern			
						experimental mechanics. Builds			
					Mechanic	on prerequisite classroom theory			
					al and	in mechanics of materials,			
			Eng.		Materials	engineering measurements and			
Fall 2007	ME496	496	Mechanics Lab M	1E	Engr	2 system dynamics.	UG	LB	Lab
					0	Experimental methods related to			
						the microstructural analysis of			
						materials. Optical microscopy,			
						scanning electron microscopy,			
						sample preparation methods.			
					Mechanic	Microstructural evolution and			
					al and	hardness as a function of			
					Materials	mechanical processing and hear			
Fall 2007	ME497	497	Materials Lab I M		J	2 treatment.	UG	LB	Lab
					Mechanic				
			Special		al and				
			Problems-		Materials	Special problems in advanced			Independe
Fall 2007	ME499	499	Mech & Egr M			1 engineering topics. Topics vary.	UG	IS	nt Study
					Mechanic				Lecture/La
			Special		al and				b
F 11 0007	N 45 400	400	Problems-		Materials	Special problems in advanced			Combinatio
Fall 2007	ME499	499	Mech & Egr M	IL .	Engr	1 engineering topics. Topics vary.	UG	LL	n
						Axial and shear stresses and			
					Mechanic	strains; biaxial loading; torsion of circular shafts; shear and			
					al and	bending moment diagrams;			
			Strength of		Materials	deflection of beams; and column			
Fall 2007	ME513	513	Materials M			4 theory. 4 hours lecture, 2 hours	GR	LE	Lecture
1 411 2007	IVILUIU	010	Materials IVI		Mechanic	Titleory. 4 flours lecture, 2 flours	JIV	LL	Lecture
					al and				
			Strength of		Materials				
Fall 2007	ME513L	513L	Materials Lab M			0 Required laboratory for ME 513.	GR	LB	Lab

							Techniques, equipment and			
							measurement procedures used			
					Mechanic		by Mechanical Engineers.			
					al and		Writing lab reports, performing			
			Exp. Meas.		Materials		data aquisition, and applying			
Fall 2007	ME514	514	and Instr.	ME	Engr		statistics to experimental data.	GR	LE	Lecture
					J		Classical thermodynamics which			
							focuses on thermodynamic			
							properties of fluids, conservation			
							of mass, conservation of energy,			
					Mechanic		and the second law of			
					al and		thermodynamics. These			
			Thermodynam		Materials		principles are applied to			
Fall 2007	ME515	515	ics I	ME	Engr	4	engineering problems.	GR	LE	Lecture
					Mechanic		Concepts of energy, power			
					al and		cycles, refrigeration cycles, gas			
			Thermodynam		Materials		mixtures, vapor-gas-mixtures,			
Fall 2007	ME516	516	ics II	ME	Engr	4	and combustion.	GR	LE	Lecture
					Mechanic					
					al and					
			Thermodynam		Materials					
Fall 2007	ME516L	516L	ics II Lab	ME	Engr		Required laboratory for ME 516.	GR	LB	Lab
					Mechanic		Study of fluid properties, fluid			
					al and		statics, incompressible flows,			
			Fluid		Materials		real fluid flows, and flow			
Fall 2007	ME517	517	Dynamics	ME	Engr	4	measurement.	GR	LE	Lecture
					Mechanic					
			Fluid		al and					
			Dynamics		Materials					
Fall 2007	ME517L	517L	Laboratory	ME	Engr		Required laboratory for ME 517.	GR	LB	Lab
							Study of the movement of			
							energy due to a temperature			
					Mechanic		difference. The three modes of			
					al and		heat transfer are investigated:			
					Materials		conduction, convections, and			
Fall 2007	ME518	518	Heat Transfer	ME	Engr	4	radiation. Detailed look at Heat	GR	LE	Lecture

					Mechanic					
					al and					
			Heat Transfer		Materials					
all 2007	ME518L	518L	Laboratory	ME	Engr		Required laboratory for ME 518.	GR	LB	Lab
							Effect of atomic, molecular, and			
							crystalline structures on the			
					Mechanic		properties of materials with			
					al and		emphasis on electronic materials			
			Materials Egr		Materials		and ceramics, characterization of			
all 2007	ME570	570	Science: Intro	ME	Engr	4	materials, and device fabrication.	GR	LE	Lecture
							Effect of microstructure, phase			
					Mechanic		equilibrium, and processing on			
			Structure &		al and		properties of structural materials			
			Prprts-Egr		Materials		including metallic alloys,			
all 2007	ME571	571	Mtrls	ME	Engr	3	polymers, and composites.	GR	LE	Lecture
							Application of classical			
							thermodynamics to engineering			
							materials. Heats of formation			
					Mechanic		and reaction; behavior of			
			Thermodynam		al and		solutions; free energy concepts;			
			ics of		Materials		thermodynamic fundamentals of			
all 2007	ME575	575	Materials	ME	Engr		phase equilibria.	GR	LE	Lecture
					3		Fundamentals of structure			
							property relations in metals and			
							alloys related to transformations			
							and kinetics. Application to			
					Mechanic		recovery and recrystallization,			
					al and		solidification, precipitation			
			Physical		Materials		strengthening, and displacive			
all 2007	ME576	576	Metallurgy	ME	Engr		transformations.	GR	LE	Lecture
		13.0			9-		Preparation of metallographic			2555.0
					Mechanic		specimens; use of the			
					al and		metallurgical microscope			
			Metallography		Materials		including the preparation of			
all 2007	ME585	585	Laboratory	ME	Engr		photomicrographs.	GR	LB	Lab

						Fundamentals of mechanical	
						testing instrumentation and	
						techniques, including the tensile	
					Mechanic	test, hardness tests, effect of	
			Materials		al and	heat-treatment on strength, and	
			Testing		Materials	correlation of microstructure,	
Fall 2007	ME586	586	Laboratory	ME	Engr	2 composition, and properties. GR LB Lab	
an 2007	MEGGG	000	Laboratory		21191	Graphic, analytical, numerical,	
						and symbolic techniques are	
						used in the kinematic and	
						dynamic analysis of machines.	
					Mechanic	Computer-aided design of	
			Kinematics &		al and	mechanisms is introduced.	
			Design-		Materials	Emphasis on the application of	
Fall 2007	ME605	605	Mechanisms	ME	Engr	4 these techniques to planar GR LE Lectu	ure
					3	Graphic, analytical, numerical,	
						and symbolic techniques are	
						used in the kinematic and	
						dynamic analysis of machines.	
					Mechanic	Computer-aided design of	
					al and	mechanisms is introduced.	
			Design		Materials	Emphasis on the application of	
Fall 2007	ME608	608	Oprimization	ME	Engr	3 these techniques to planar GR LE Lectu	ure
			•			Analysis and design of flight	
						structures. Stress, deformation,	
						and stability analysis of	
					Mechanic	aerospace structures. Thin-	
					al and	walled members bending,	
			Aerospace		Materials	torsion, and shear stresses	
Fall 2007	ME609	609	Structures	ME	Engr	4 calculation in multi-cell GR LE Lectu	ure
						Finite element formulations for	
						line, surface, bending, torsion,	
						and three-dimensional elements.	
					Mechanic	Numerical methods and	
					al and	applications of FEM programs in	
			Finite Element		Materials	structural design and solid	
Fall 2007	ME612	612	Analysis	ME	Engr	4 mechanics. GR LE Lectu	ure

						Finite element formulations for line, surface, bending, torsion,	
						and three-dimensional elements.	
					Mechanic	Numerical methods and	
					al and	applications of FEM programs in	
			Finite Element		Materials	structural design and solid	
Fall 2007	ME612L	612L	Analysis Lab	ME	Engr	0 mechanics. GR LB La	ıb
			,		J	Fundamental concepts in design	
					Mechanic	for static strength, fatigue, and	
					al and	impact loading; application to	
			Mechanical		Materials	selected mechanical components	
all 2007	ME614	614	Design I	ME	Engr	· · · · · · · · · · · · · · · · · · ·	ecture
						Design of mechanical elements	
					Mechanic	such as springs, bearings, shafts,	
					al and	gears, clutches, brakes, and	
			Mechanical		Materials	flywheels; students conduct an	
Fall 2007	ME615	615	Design II	ME	Engr		ecture
						Fundamental equations of	
					Mechanic	viscous flow for laminar and	
					al and	turbulent flows. Boundary layer	
			Mechanics of		Materials	analysis. Analytical and	
Fall 2007	ME617	617	Viscous Fluids	ME	Engr	4 numerical solutions of the GR LE Le	ecture
						Analytical and numerical	-
						techniques for heat conduction	
					Mechanic	problems in one, two, and three	
			Heat		al and	dimensions for steady and	
			Conduction in		Materials	transient cases. Phase-change	
all 2007	ME618	618	Solids	ME	Engr	3 problems. GR LE Le	ecture
						This course will study the	
						fundamentals of energy and	
						energy conversion, our energy	
						resources, direct energy	
					Mechanic	conversion, heat to work energy	
					al and	conversion, fossil fuel energy	
			Energy		Materials	conversion, and alternative	
Fall 2007	ME623	623	Conversion	ME	Engr	4 energy conversion. GR LE Le	ecture

Fall 2007	ME624	624	Solar Engineering	ME	Mechanic al and Materials Engr	Fundamentals of solar radiation and how it can be utilized as an energy source. Flat plate collectors, concentrating collectors, solar hot water heating, photovoltaics and thermal energy storage will be discussed. Aviation history. Standard atmosphere, basic aerodynamics, theory of lift, airplane	GR	LE	Lecture
					al and	performance, principles of			
E !! 0007					Materials	stability and control,	0.5	. –	
Fall 2007	ME630	630	Aeronautics	ME	Engr	4 astronautics, and propulsion Engine cycle analysis;	GR	LE	Lecture
						combustion fundamentals;			
					Mechanic	reciprocating engines and			
					al and	propellers; applications to			
			Aerospace		Materials	turbojet, turbofan, turboprop,			
Fall 2007	ME631	631	Propulsion	ME	Engr	4 ramjet, SCRAM jet, and rocket	GR	LE	Lecture
						Covers development of the equations for general aircraft			
						motion; Perturbed State			
						equations; basic aerodynamic			
						characteristics; control surface			
					Mechanic	effectiveness; stability and			
			Flight		al and	control derivatives; dynamic			
			Dynamics &		Materials	stability; control of the airplane;			
Fall 2007	ME632	632	Control Sys	ME	Engr	4 and automatic flight control.	GR	LE	Lecture
						Fundamentals of gas flow in the			
						subsonic to supersonic flow			
						regimes. Wave propagation in			
					Manhanis	compressible medium, one-			
					Mechanic	dimensional isentropic flow with			
			Compressible		al and Materials	area change, frictional effects, heat transfer effects and two-			
Fall 2007	ME633	633	Compressible Flow	ME		dimensional waves.	GR	LE	Lecture
raii 2007	IVIEO33	საა	FIUW	IVIE	Engr	4 uimensional waves.	UK	LC	Lecture

						Introduces CFD methods:			
						governing equations, PDEs, finite			
					Mechanic	difference numerical methods,			
			Computational		al and	stability analysis, incompressible			
			Fluid		Materials	and compressible flows, subsonic			
Fall 2007	ME634	634	Dynamics	ME	Engr	4 to supersonic flows.	GR	LE	Lecture
						Develops students' abilities to			
						derive and solve vehicle			
						equations, and introduce			
					Mechanic	dynamic analysis in vehicle			
					al and	design. Various performance			
			Vehicle		Materials	criteria, control concepts, and			
Fall 2007	ME642	642	Engineering	ME	Engr	3 HEVs will be studied.	GR	LE	Lecture
						Thermodynamics of I.C. engines,			
					Mechanic	combustion thermodynamics,			
			Prn Internal		al and	friction, heat and mass losses,			
			Combustion		Materials	and computer control of the			
Fall 2007	ME644	644	Engine	ME	Engr	4 modern fuel-injected I.C. engine.	GR	LE	Lecture
						(Also listed as CEG 656 and EE			
						656.) Introduction to the			
						mathematics, programming, and			
						control of robots. Topics covered			
						include coordinate systems and			
					Mechanic	transformations, manipulator			
					al and	kinematics and inverse			
			Introduction		Materials	kinematics, trajectory planning,			
Fall 2007	ME656	656	to Roboctics	ME	Engr	4 Jacobians, and control.	GR	LE	Lecture
					Mechanic				
			Introduction		al and				
			to Robotics		Materials				
Fall 2007	ME656L	656L	Lab	ME	Engr	O Required laboratory for ME 656.	GR	LB	Lab

			Instrumentatio n &		Mechanic al and Materials	Develops understanding in measurements, conveys the principles and practice for design of systems including uncertainty and signal reconstruction, and establishes the physical principles and techniques used to measure those quantities most			
Fall 2007	ME658	658	Measurement	ME	Engr	4 important for applications.	GR	LE	Lecture
- H 0007			Mechanical		Mechanic al and Materials	Modeling and analysis of single and multi-degree freedom systems under free and forced vibration and impact. Lagrangian and matrix formulations, energy methods, and introduction to			
Fall 2007	ME660	660	Vibrations	ME	Engr	4 random vibrations.	GR	LE	Lecture
Fall 2007	ME660L	660L	Mechanical Vibrations Lab	ME	Mechanic al and Materials Engr	0 Required laboratory for ME 660.	GR	LB	Lab
Fall 2007	ME664	664	Mech Sys Modeling & Design	ME	Mechanic al and Materials Engr	Modeling of complex mechanical systems as a set of simple, linear or nonlinear components for the purpose of design. Introduces modern computational tools.	GR	LE	Lecture
1 411 2007	WEGGT	004	Failure	IVIL	Mechanic al and Materials	Engineering aspects of failure analysis, failure mechanisms, and related environmental	OK .	LL	Eccture
Fall 2007	ME670	670	Analysis	ME	Engr	4 factors. Analysis of actual service	GR	LE	Lecture
			Non- Destructive		Mechanic al and Materials	Lectures will cover: Principles and applications of Eddy Current techniques, Wave Propagation in guided wave modes, Ultrasonics, Acoustic Emission, Radiography, Modeling and Analysis, Introduction to signal processing			
Fall 2007	ME671	671	Testing	ME	Engr	3 and Specifications and	GR	LE	Lecture

						Introduces polymers as
						engineering materials and covers
						fundamental concepts in polymer
						science and engineering.
						Includes polymerization
						processes, morphology and
					Mechanic	crystallinity, thermal transitions,
			Structure &		al and	viscoelasticiity, rubber elasticity,
			Prprts-Egr		Materials	aging, and contemporary issues
Fall 2007	ME672	672	Polymer	ME	Engr	4 in polymers. GR LE Lecture
<u> </u>	2072	072	- c.ye.			Principles of materials-limited
						design. Lectures, case histories,
						open-ended assignments and
						computer based materials
						selection tools. Procedures for
					Mechanic	selection of optimum material(s)
					al and	under constraints resulting from
			Mat Sel for		Materials	functional, reliability, safety, cost
Fall 2007	ME674	674	Mech Design	ME	Engr	4 and environmental issues. GR LE Lecture
						Design and use of high-
						temperature superalloys,
					Mechanic	strengthening mechanisms,
			High		al and	creep and fatigue, corrosion and
			Temperature		Materials	oxidation, protective coatings,
Fall 2007	ME675	675	Materials	ME	Engr	3 and alternative materials. GR LE Lecture
						Crystal plasticity and single
						crystal behavior. Introduction to
						dislocation theory. Strengthening
					Mechanic	mechanisms and polycrystalline
			Mechanical		al and	behavior. Introduction to
			Behavior-		Materials	viscoelasticity. Fracture, fatigue,
Fall 2007	ME677	677	Materials	ME	Engr	4 and creep of materials. GR LE Lecture
						Electron microprobe and X-ray
					Mechanic	fluorescence for analysis of
					al and	alloys and other materials are
			X-Ray Spectral		Materials	explained and demonstrated with
Fall 2007	ME678	678	Analysis	ME	Engr	3 examples. 2 hours lecture, 1 GR LE Lecture

					Mechanic				
			V Day Consideral		al and				
F - II 0007	ME (70)	4701	X-Ray Spectral	N 45	Materials	O De maior de la la constante for ME (70	CD.	l D	1 - 1-
Fall 2007	ME678L	678L	Analysis Lab	ME	Engr	1	GR	LB	Lab
					N 4 - ala anaia	Survey of the principles of			
					Mechanic	corrosion processes with			
			N 4 - 4! - 1 -		al and	application to metallic and			
E 11 0007	145/70	.70	Materials		Materials	nonmetallic materials. Principles	0.0	. =	
Fall 2007	ME679	679	Corrosion	ME	Engr	J	GR	LE	Lecture
						Introduction to the theory and			
					Mechanic	practice of diffraction methods in			Lecture/La
			X-Ray		al and	the study of alloys, refractory			b
			Methods in		Materials	materials, and polymers. 2 hours			Combinatio
Fall 2007	ME680	680	Materials Sci	ME	Engr	•	GR	LL	n
						Survey of the principal			
						techniques used to detect and			
						evaluate flaws in material			
						components such as castings,			
					Mechanic	weldments, and composites.			
			Materials		al and	Includes liquid penetrant,			
			Characterizatio		Materials	ultrasonic, radiographic, eddy			
Fall 2007	ME681	681	n	ME	Engr	. 3	GR	LE	Lecture
						Introduction to the theory and			
			Intro-		Mechanic	practice of diffraction methods in			Lecture/La
			Trnsmssn		al and	the study of alloys, refractory			b
			Electron		Materials	materials, and polymers. 2 hours			Combinatio
Fall 2007	ME682	682	Micros	ME	Engr	4 lecture, 4 hours lab.	GR	LL	n
						Ceramic and refractory raw			
						materials and products; atomic			
						structure and bonding; structure			
					Mechanic	of crystalline phases and glasses;			
					al and	structural imperfections;			
			Introduction		Materials	diffusion in oxides; phase			
Fall 2007	ME683	683	to Ceramics	ME	Engr	3 equilibria; processing of	GR	LE	Lecture

Fall 2007	ME684	684	Physical Ceramics	ME	Mechanic al and Materials Engr	Processing, microstructure, and properties of ceramics; defect equilibria in oxides; thermal, optical, electrical, and mechanical properties of ceramic materials. Ceramics for special applications. 3 hours lecture, 2	GR	LE	Lecture
raii 200 <i>1</i>	IVIE004	004	Ceramics	IVIC	Mechanic	4 applications. 3 flours lecture, 2	GK	LE	Lecture
			Physical		al and				
			Ceramics		Materials				
Fall 2007	ME684L	684L	Laboratory	ME	Engr	0 Required laboratory for ME 684.	GR	LB	Lab
						Fundamentals of melt			
						solidification, application to			
					Mechanic	metals casting technology, and			
					al and	an introduction to powder			
E 11 0007	145/05		Solidification		Materials	metallurgy. 3 hours lecture, 2	0.5		
Fall 2007	ME685	685	Processing	ME	Engr	4 hours lab.	GR	LE	Lecture
					Mechanic al and				
			Solidification		Materials				
Fall 2007	ME685L	685L	Processing Lab	ME	Engr	0 Required laboratory for ME 685.	GR	LB	Lab
1 411 2007	WILOUSE	0032	110cc33ing Lab	IVIL	Liigi	Fundamentals of principal	GIC	LD	Lab
						deformation processing systems			
						including forging, extrusion,			
						rolling, and sheet forming;			
					Mechanic	material response and			Lecture/La
					al and	formability; and mechanics and			b
			Deformation		Materials	analysis of selected processes. 3			Combinatio
Fall 2007	ME686	686	Processing	ME	Engr	4 hours lecture, 2 hours lab.	GR	LL	n
						Fundamentals of machining with			
						emphasis on engineering models			
						of machinability, chip formation,			
					Mechanic	cutting forces and power, and			
					al and	lubrication. Introduction to			
F-II 0007	ME (07	407	NA Is to to -	N 4 E	Materials	numerical control machining. 3	CD.		1 1
Fall 2007	ME687	687	Machining	ME	Engr	4 hours lecture, 2 hours lab.	GR	LE	Lecture

					Mechanic al and		
			Machining		Materials		
Fall 2007	ME687L	687L	Laboratory	ME	Engr	0 required laboratory for ME 687. GR LB Lab	
						Fundamental metallurgy and	
						ceramic science of powder	
					Mechanic	processing techniques. Details of current powder processing	
			Powder		al and	technology and methods. Hands-	
			Process-		Materials	on laboratory experience with	
Fall 2007	ME688	688	Materials Lab	ME	Engr	4 both metal and ceramic GR LE Lectu	ırΔ
1 all 2007	IVILOGO	000	Materials Lab	IVIL	Liigi	Fundamental metallurgy and	16
						ceramic science of powder	
						processing techniques. Details of	
					Mechanic	current powder processing	
			Powder		al and	technology and methods. Hands-	
			Processing		Materials	on laboratory experience with	
Fall 2007	ME688L	688L	Laboratory	ME	Engr	0 both metal and ceramic GR LB Lab	
			,		3	(Also listed as CHM 669.)	
						Properties and manufacturing	
						processes of engineering plastics	
					Mechanic	and the effect of these factors	
			Egr		al and	on plastics design. Illustrative	
			Plastics:Mtrls,		Materials	laboratory projects are included.	
Fall 2007	ME689	689	Proc & Dsgn	ME	Engr	4 2 hours lecture, 4 hours lab. GR LE Lectu	re
					Mechanic		
					al and		
			Engineering		Materials		
Fall 2007	ME689L	689L	Plastics Lab	ME	Engr	0 Required laboratory for ME 689. GR LB Lab	
					Mechanic		
			Special		al and		
			Problems in		Materials		oende
Fall 2007	ME699	699	ME	ME	Engr	1 engineering topics. Titles vary. GR IS nt Stu	ıdy
						Survey of available instructional	
					Mechanic	materials and discussion of	
			Prin of		al and	educational theories and	
F - II 0007	N 4 5 7 0 0	700	Instruction in		Materials	techniques leading to more	
Fall 2007	ME700	700	Egr	ME	Engr	3 effective instruction. GR LE Lectu	.re

							Structural optimization of large			
							scale systems with constraint			
							approximations, sensitivity			
							analysis, and design variable			
					Mechanic		linking methods. Primal, dual,			Lecture/La
					al and		and optimality criteria methods			b
			Multidisciplinar		Materials		for shape and size optimization,			Combinatio
Fall 2007	ME708	708	•	ME	Engr		3 hour lecture.	GR	LL	n
1 411 2007	IVIL 700	700	y Stretti Optili	IVIL	Liigi		Vibration of discrete and	OK		
							continuous systems.			
							Computational methods for the			
							eigenvalue problem. Large-			
							dimensional systems.			
							Approximate methods for			
					Mechanic		continuous systems.			Lecture/La
			Comp Mthds		al and		Substructure synthesis.			b
			Strctrl		Materials		Response of vibrating systems. 3			Combinatio
Fall 2007	ME710	710	Dynamics	ME	Engr		hours lecture, 2 hours lab.	GR	LL	n
Fall 2007	IVIE / TO	710	Dynamics	IVIE	Eligi		Concepts of dynamic analysis	GK	LL	11
							using the finite element method			
							(FEM). Application of various			
							computational techniques to			
					Mechanic		dynamic structures and thermal			
					al and		systems including vehicle			
			Finite Element		Materials		dynamics. 3 hours lecture, 2			
Fall 2007	ME712	712	Method Appl	ME	Engr		hours lab.	GR	LE	Lecture
Fall 2007	IVIE / IZ	/ 12	Metriod Appr	IVIL	Mechanic	4	ilouis lab.	GK	LC	Lecture
			Finite Element		al and					
					Materials					
Fall 2007	ME712L	712L	Method Appl Lab	ME		0	Doguirod Johanntony for ME 712	GR	LB	Lab
raii 2007	IVIE / IZL	/ IZL	Lau	IVIE	Engr		Required laboratory for ME 712.	GK	LD	Lau
							Nonlinear finite element analysis			
					Maahania		of elastic, plastic, and			
			Nonlinear		Mechanic		viscoplastic deformation. Flow			
			Nonlinear		al and		formulation and solid			
F-II 2007	NAE 74 A	71.4	Finite Elmt	N 4 E	Materials		formulation. Analysis and	CD		l t
Fall 2007	ME714	714	Analysis	ME	Engr	4	simulation of structures and	GR	LE	Lecture

						Introduction to classical			
						mechanics. Application of			
						distributed and discretized			
						approaches to dynamic systems			
						with rigid and deformable			
						members. Emphasis on the			
					Mechanic	understanding of fundamental			
					al and	theory of mechanics and			
			Advanced		Materials	applications of different			
Fall 2007	ME715	715	Dynamics	ME	Engr	4 techniques to dynamics.	GR	LE	Lecture
1 411 2007	IVIL/13	713	Dynamics	IVIL	Liigi	The behavior of nonlinear	OIX	LL	Lecture
						mechanical systems is analyzed			
						with numerical, symbolic,			
					Mechanic	graphic, and analytical methods.			
			Nonlinear		al and	Equal emphasis is placed on			
			Dynamics &		Materials	understanding nonlinear effects			
Fall 2007	ME716	716	Vibration	ME	Engr	4 and methods of analysis.	GR	LE	Lecture
Fall 2007	IVIE / TO	710	VIDIATION	IVIL	Erigi	Introduction of the fundamental	GK	LE	Lecture
						concepts of random signal			
						analysis for random vibration			
						analysis. Statistical approaches			
					Mechanic	to the response of mechanical			Lecture/La
					al and	vibratory systems, and the			h
			Radom		Materials	extension of this understanding			Combinatio
Fall 2007	ME718	718	Vibration	ME	Engr	4 to experimental modal analysis.	GR	11	n
1 411 2007	IVIL / TO	710	Vibration	IVIL	Liigi	Advanced theoretical and	OIX	LL	
						practical aspects of vibration			
						testing including: signal analysis,			
						windowing, transducers,			
					Mechanic	exciters, modal identification			Lecture/La
					al and	techniques, rotor dynamics, and			h
			Vibe Test &		Materials	machine health monitoring.			Combinatio
Fall 2007	ME719	719	Hith Mon	ME	Engr	4 Includes extensive independent	GR	LL	n
1 all 2007	IVIL / I 7	/ 17	THUI WOUL	IVIL	Lilgi	Tillicianes extensive inachenacin	OIV	LL	[11

						Introduces theory of elasticity.			
						Topics in advanced strength of			
					Mechanic	materials. Energy methods.			
			Advanced		al and	Computational techniques in			
			Mechanics of		Materials	solid mechanics. Introduces			
Fall 2007	ME720	720	Solids	ME	Engr	4 plates and shells.	GR	LE	Lecture
						Constituent properties and			
						micromechanics of composite			
						materials are studied.			
						Macromechanics of fiber			
						reinforced composites and			
					Mechanic	laminates are discussed and a			
			Mechanics-		al and	brief introduction to finite			
			Composite		Materials	element analysis of composites is			
Fall 2007	ME721	721	Materials	ME	Engr	4 presented.	GR	LE	Lecture
						Static and dynamic aeroelastic			
						response of an aeroelastic airfoil			
						and a straight wing in the			
						presence of steady and unsteady			
					Mechanic	aerodynamic loads. Use of the K			Lecture/La
					al and	and PK to determine flutter			b
					Materials	speeds. 3 hours lecture, 2 hours			Combinatio
Fall 2007	ME722	722	Aeroelasticity	ME	Engr	4 lab.	GR	LL	n
						Extends the concepts of elasticity			
						to include the energy dissipating			
						effects of viscoelasticity.			
						Linear/nonlinear viscoelastic			
						behavior are examined in one			
					Mechanic	and three dimensions. Finite			
					al and	element modeling of frequency			
					Materials	dependent viscoelastic behavior			
Fall 2007	ME723	723	Viscoelasticity	ME	Engr	4 is introduced.	GR	LE	Lecture

						Applying the physical laws of
						conservation of mass, energy,
						momentum, and thermo-
						dynamics to a continuum to formulate the mathematical
						equations governing the
						macroscopic behavior of matter.
						Under-standing the physical
						meaning of the laws and
					Mechanic	individual terms in the equations,
					al and	analysis of stress and
			Continuum		Materials	deformation at a point, and the
Fall 2007	ME724	724	Mechanics	ME	Engr	4 development of constitutive GR LE Lecture
						Analyze the uncertainties
						associated with mechanical and
						structural design. Methods to
						model various uncertainties in a
						design using probabilistic
					Mechanic	analysis tools. Computation of
					al and	safety index and structural
			Structural		Materials	reliability using efficient
Fall 2007	ME726	726	Reliability	ME	Engr	4 techniques for implicit functions. GR LE Lecture
						Theory and application of
						conservation equations for fluid
						mechanics. Develops boundary
					Mechanic	layer equations for laminar and
			Advanced		al and	turbulent flows. Topics include
			Fluid		Materials	incompressible, viscous,
Fall 2007	ME730	730	Dynamics	ME	Engr	3 supersonic, and hypersonic GR LE Lecture
						Advanced fluid dynamics
						including formulation of the
						Navier Stoke equations,
					Mechanic	boundary layers and exact and
					al and	approximate solution of the
			Boundary		Materials	boundary layer equations, and
Fall 2007	ME732	732	Layer Theory	ME	Engr	4 the transition to and GR LE Lecture

							Introduction to modern computational fluid dynamic			
							(CFD) methods. Survey of			
							current numerical procedures to			
			Adv		Mechanic		solve fluid dynamic problems			Lecture/La
			Computatnl		al and		from incompressible to			b
			Fluid		Materials		hypersonic flows. 3 hours			Combinatio
Fall 2007	ME734	734	Dynamics	ME	Engr	4	lecture, 2 hours lab.	GR	LL	n
							Heat and mass transfer analysis			
					Mechanic		within conductors and over			
			Convective		al and		submerged objects for laminar			
			Heat & Mass		Materials		and turbulent flows. Film			
Fall 2007	ME736	736	Trnsfr	ME	Engr	4	condensation and boiling.	GR	LE	Lecture
							Fundamentals and application of			
							radiation heat transfer, radiation			
							between gray and nongray			
							bodies, network techniques,			
							radiation through absorbing			
					Mechanic		media, and radiation between			
					al and		gases and surrounding surfaces.			
			Radiation Heat	t	Materials		Finite difference solution for			
Fall 2007	ME738	738	Transfer	ME	Engr	3	radiation problem.	GR	LE	Lecture
							Examination of the			
							thermophysics of vaporization			
							and condensation processes in			
							heat transfer equipment. The			
					Mechanic		basic physical mechanisms			
					al and		associated with phase-change			
			Two-Phase		Materials		phenomena are described, and			
Fall 2007	ME740	740	Heat Transfer	ME	Engr	4	the best empirical models are	GR	LE	Lecture
							Computational techniques for the			
							solution of engineering problems			
					Mechanic		in multidimensional fluid flow,			
			Num Smltn-		al and		and heat and mass transfer			
			Heat/Mass		Materials		including two-phase flows and			
Fall 2007	ME742	742	Trnsfr	ME	Engr	3	chemical reactions.	GR	LE	Lecture

						Thermodynamics is studied from both the classical (macroscopic) and statistical (microscopic)			
						viewpoints with emphasis on			
						statistical thermodynamics.			
						Property relationships, Maxwell			
					Mechanic	relations, partition functions,			
			Advanced		al and	distribution functions, kinetic			
			Thermodynam		Materials	theory and the Boltzmann			
Fall 2007	ME744	744	ics	ME	Engr	4 transport equation are discussed.	GR	LE	Lecture
						Hypersonic flow is studied from			
						the viewpoint of its unique fluid			
					Mechanic	dynamic attributes with			
					al and	emphasis on classic inviscid			
			Hypersonic		Materials	theories, chemical kinetics, and			
Fall 2007	ME746	746	Flows	ME	Engr	4 state-of-the-art development.	GR	LE	Lecture
						Properties, characteristics, and			
						use of ionized gases.			
						Fundamentals of gaseous			
						electronics including kinetic			
						theory, excitation, ionization,			
						equilibrium, non-equilibrium, and			
					Mechanic	local thermodynamic equilibrium.			
			Fundamentals		al and	Plasma generation, glow			
			of Plasma		Materials	discharge, rf-discharges, plasma			
Fall 2007	ME748	748	Science	ME	Engr	4 torches, and free-burning arcs.	GR	LE	Lecture
						Nonlinear behavior and			
						controllers are emphasized. Gain			
						scheduling, model following,			
						time-delay and slide-mode			
						techniques will be discussed.			
					Mechanic	Rule-based fuzzy logic and			
					al and	neural network will be			
			Nonlinear		Materials	developed. Emphasis will be on			
Fall 2007	ME754	754	Control	ME	Engr	4 theory, algorithms, and	GR	LE	Lecture

						(Also listed as CEG 756 and EE 756.) Detailed study of the dynamics and control of robotic systems and robot programming languages and systems. Material covered includes rigid-body
					Mechanic al and	dynamics; linear, nonlinear,
					Materials	adaptive, and force control of manipulators; and robot
Fall 2007	ME756	756	Robotics I	ME	Engr	4 programming languages. GR LE Lecture
Tall 2007	INL 730	730	INDUITES I	IVIL	Mechanic al and	An introduction to sensing, vision, and robot intelligence and task planning. Material covered includes sensors, low-level and higher level vision techniques, task planning including obstacle avoidance and artificial
					Materials	intelligence and expert systems
Fall 2007	ME757	757	Robotics II	ME	Engr	4 as applied to robotic systems. GR LE Lecture
			Thermodynam		Mechanic al and Materials	Thermodynamics of solutions, reactions, phase transformations, surfaces and interfaces, and point defects. Quasi-chemical model for solutions. Heterogeneous phase equilibria. Phase diagrams and
Fall 2007	ME760	760	ics of Solids Phase	ME	Engr Mechanic al and	4 thermodynamic quantities. 3 GR LE Lecture Study of equilibrium diagrams through ternary diagrams with an introduction to quaternaries. Advanced topics in diffusion in binary and ternary alloys, ceramics, and intermetallics, defect structures. Fourth-hour
			Diagrams &		Materials	discussion of current topics in
Fall 2007	ME761	761	Diffusion	ME	Engr	4 materials. GR LE Lecture

						This is the first course in a two	
						course sequence. Covers the	
					Mechanic	theory of homogenous and	
					al and	heterogeneous nucleation and	
			Transformatio		Materials	diffusion and interface controlled	
Fall 2007	ME762	762	n in Solids-I	ME	Engr	4 growth. GR LE Lectu	ure
					3	This is the second course in a	
						two course sequence. Covers	
					Mechanic	recovery, recrystallization, grain	
					al and	coarsening, eutectoid	
			Transformatio		Materials	decomposition, and spinodal	
Fall 2007	ME763	763	n in Solids-II	ME	Engr	4 decomposition. GR LE Lectu	ıre
						Deals with quantifying	-
						microstructural features, such as	
						volume fraction, grain size,	
						shape, and orientation of	
					Mechanic	phases. The course covers	
					al and	stereology, the science of	
			Quantitative		Materials	relating 2-dimensional images to	
Fall 2007	ME768	768	Microscopy	ME	Engr	4 3-dimensional structure, and GR LE Lectu	ıre
						Polymer physics including phase	
						diagrams, phase separation, the	
						amorphous and crystalline	
					Mechanic	states, liquid crystals, thermal	
			Physical		al and	transitions, viscoelasticity and	
			Polymer		Materials	rheology, as well as deformation	
Fall 2007	ME772	772	Science	ME	Engr	4 and fracture. GR LE Lectu	ıre
					Mechanic	In-depth study of processing-	
					al and	microstructure-property	
			Processing of		Materials	relationships for selected	
Fall 2007	ME782	782	Egr Materials	ME	Engr	3 engineering materials. GR LE Lectu	ıre

Fall 2007	ME783	783	Ceramics- Advanced Application	ME	Mechanic al and Materials Engr	Science and technology of ceramics and glasses and their use in various products; atomic structure; bonding; defect-microstructure-property relations; thermal and structura ceramics; electronic, optical, ar dielectric ceramics; and special 4 applications.	nl	LE	Lecture
Fall 2007	ME786	786	Appl Plasticity & Metal Form	ME	Mechanic al and Materials Engr	Yield criteria and flow rules for isotropic and anisotropic materials. Mechanics of plastic deformation including slab, upper-bound, slip-line field, and finite-element methods. 4 Applications to metal forming.	d GR	LE	Lecture
Fall 2007	ME789	789	Continuing Registration	ME	Mechanic al and Materials Engr	1	GR	IS	Independe nt Study
Fall 2007	ME880	880	Sel Topics in Systems Egr	ME	Mechanic al and Materials Engr	Selected topics in current research and recent developments in systems theor and engineering.	y GR	IS	Independe nt Study
Fall 2007	ME890	890	Special Problems in ME	ME	Mechanic al and Materials Engr	Special problems in advanced 1 engineering topics. Titles vary.	GR	IS	Independe nt Study
Fall 2007	ME898	898	PH D Dissertation Research	ME	Mechanic al and Materials Engr	Research on the Ph.D. dissertation topic. Graded pass/unsatisfactory.	GR	IS	Independe nt Study
Fall 2007	ME899	899	Thesis	ME	Mechanic al and Materials Engr	1 Graded pass/unsatisfactory.	GR	IS	Independe nt Study

			Student Initiated						
Fall 2007	MED600	600	Elective	MED	Medicine	2	MD	LE	Lecture
1 411 2007	IVILDOOO	000	Office Based	IVILD	Medicine	2	IVID	LL	Lecture
Fall 2007	MED601	601	Int Medicine	MED	Medicine	2	MD	LE	Lecture
1 411 2007	WEBOOT	001	THE WICCHOILE	IVILD	Medicine		IVID		Lootuic
			Complimentar						
Fall 2007	MED602	602		MED	Medicine	2	MD	CL	Clinical
			Medicine						
Fall 2007	MED700	700	Clerkship	MED	Medicine	24	MD	CL	Clinical
			Student-						
			Initiated						
Fall 2007	MED800	800	Elective	MED	Medicine	4	MD	CL	Clinical
			Clinical						
Fall 2007	MED805	805	Cardiology	MED	Medicine	8	MD	CL	Clinical
			Clinical						
Fall 2007	MED806	806	Cardiology	MED	Medicine	8	MD	CL	Clinical
			Clinical						
Fall 2007	MED807	807	Cardiology	MED	Medicine	8	MD	CL	Clinical
			Clinical						
			Pulmonary						
Fall 2007	MED808	808	Disease	MED	Medicine	8	MD	CL	Clinical
			Med						
			Oncology/Hem						
Fall 2007	MED813	813	33	MED	Medicine	8	MD	CL	Clinical
			Med						
F 11 0007	MEDOAE	045	Hematology/O	MED			115		
Fall 2007	MED815	815	33	MED	Medicine	8	MD	CL	Clinical
F - II 0007	MEDO47	017	Hematology	MED	N. 4 11 - 1		MD	01	Olive i e e l
Fall 2007	MED817	817	and Oncology Clinical	MED	Medicine	8	MD	CL	Clinical
Fall 2007	MED010	010		MED	Madiaina	0	MD	CI	Clinical
Fall 2007	MED819	819	Nephrology Gastroenterolo	MED	Medicine	8	MD	CL	Clinical
Fall 2007	MED820	820		MED	Medicine	8	MD	CL	Clinical
1 all 2007	IVIEDOZU	020	gy Clinical	MED	MEDICITIE	0	UIVID	CL	Cirilleai
			Gastroenterolo						
Fall 2007	MED821	821	gy	MED	Medicine	8	MD	CL	Clinical
1 all 2007	IVILDUZI	UZ I	193	IVILU	MEGICIFIE	U	ואוט	CL	Cirricar

			Geriatric						
			Med/Prim Care						
Fall 2007	MED826	826	Phys	MED	Medicine	8	MD	CL	Clinical
			Clinical						
Fall 2007	MED827	827	Nephrology	MED	Medicine	8	MD	CL	Clinical
			JI Internal						
Fall 2007	MED829	829	Medicine	MED	Medicine	8	MD	CL	Clinical
			Ambulatory						
			Mgmt Inf						
Fall 2007	MED834	834	Disease	MED	Medicine	4	MD	CL	Clinical
			Critical Care						
Fall 2007	MED837	837	Medicine	MED	Medicine	8	MD	CL	Clinical
			Critical Care						
Fall 2007	MED838	838	Medicine	MED	Medicine	8	MD	CL	Clinical
			Adult						
			Infectious						
Fall 2007	MED839	839	Diseases	MED	Medicine	8	MD	CL	Clinical
F 11 0007	MEDOAA	0.4.4	Critical Care	MED			MD	01	
Fall 2007	MED844	844	Medicine	MED	Medicine	8	MD	CL	Clinical
			Clin/Interventi						
Fall 2007	MED846	047	onal	MED	Medicine	0	MD	CI	Clinical
Fall 2007	IVIED846	846	Cardiology Clinical	MED	iviedicine	8	MD	CL	Clinical
Fall 2007	MED847	847		MED	Medicine	8	MD	CL	Clinical
raii 2007	IVIED047	047	Pulmonary	IVIED	Medicine	0	IVID	CL	Cililical
			and Sleep						
Fall 2007	MED848	848	Medicine	MED	Medicine	8	MD	CL	Clinical
1 411 2007	IVILDOTO	040	Wedienie	IVILD	Wicdicinic	O O	IVID	OL.	Omnean
			Clinical						
Fall 2007	MED849	849	Rheumatology	MFD	Medicine	4	MD	CL	Clinical
2007	25017	0.17	- incumateregy				2		0
			Clinical						
Fall 2007	MED850	850	Rheumatology	MED	Medicine	4	MD	CL	Clinical
			JI, Int						
			Med/Private						
Fall 2007	MED852	852	Service	MED	Medicine	8	MD	CL	Clinical

	1		Ta		1				
			Advanced						
			Internal						
Fall 2007	MED854	854	Medicine	MED	Medicine		MD	CL	Clinical
Fall 2007	MED860	860	Cardiology	MED	Medicine	8	MD	CL	Clinical
Fall 2007	MED861	861	Endocrinology	MED	Medicine	8	MD	CL	Clinical
			Hematology						
Fall 2007	MED862	862	and Oncology	MED	Medicine	8	MD	CL	Clinical
			Infectious						
Fall 2007	MED863	863	Disease	MED	Medicine	8	MD	CL	Clinical
Fall 2007	MED864	864	Pulmonary	MED	Medicine	8	MD	CL	Clinical
			Gastroenterolo						
Fall 2007	MED865	865	gy	MED	Medicine	8	MD	CL	Clinical
			General						
			Medicine,						
Fall 2007	MED866	866	Inpatient	MED	Medicine	8	MD	CL	Clinical
			Med Intensive						
Fall 2007	MED867	867	Care Unit	MED	Medicine	8	MD	CL	Clinical
Fall 2007	MED868	868	Nephrology	MED	Medicine	8	MD	CL	Clinical
Fall 2007	MED869	869	Neurology	MED	Medicine	8	MD	CL	Clinical
			Adult						
			Infectious						
Fall 2007	MED871	871	Diseases	MED	Medicine	4	MD	CL	Clinical
Fall 2007	MED900	900	Extramural	MED	Medicine	4	MD	Н	Hospital
						An introduction to the elements			
						of the business environment and			
						the major functions of business:			
			World of			management, marketing,			
			Business &		Managem	manufacturing, human			
Fall 2007	MGT100	100	Adm	MGT	ent	G	UG	LE	Lecture

	1					
						Provides experiential skill
						development in the areas of
						leadership and community
						service. Students will complete a
						group community service
						project, which will be developed
						in conjunction with the Junior
						Leadership Dayton program.
						Open only to Junior Leadership
			Community		Managem	Dayton students. Graded
Fall 2007	MGT101	101	Leadership	MGT	ent	3 pass/unsatisfactory. UG LE Lecture
						For undergraduate, nonbusiness
						students to acquire a basic
						understanding of the history,
			Elements of		Managem	practices, and roles of managers
Fall 2007	MGT200	200	Management	MGT	ent	4 in work organizations. UG LE Lecture
			3			Introduction to fundamental
						concepts necessary for
						understanding behavior in an
						organizational setting. Course
						incorporates three levels of
						analysis (individual, group, and
						organizational) to provide
						students with a balanced
			Mgt & Org		Managem	foundation for developing
Fall 2007	MGT304	304	Behavior	MGT	ent	4 effective management skills. UG LE Lecture
						Analysis of the human resources
						system; interrelationship of
			Human		Managem	policy areas such as staffing,
Fall 2007	MGT321	321	Resources Mgt	MGT	ent	4 development, and utilization. UG LE Lecture
			<u> </u>			This course will survey the
						current scholarly and applied
						research literature of the
						employment process from the
						perspective of both applicant and
						employer. Focus will be on
			Emp Intw		Managem	recruitment and selection
Fall 2007	MGT404	404	Theory & Prac	MGT	ent	4 methodologies. UG LE Lecture

			Organization		Managem	Focuses on development as a systematic, continuing process designed to improve an organization's ability to cope with change. Topics include anticipation of change, overcoming resistance, and intervention strategies. Writing			
Fall 2007	MGT410	410	Development	MGT	ent	4 intensive course.	UG	LE	Lecture
Fall 2007	MGT410 W	410W	Writing in MGT 410	MGT	Managem ent	Required writing component for 0 MGT 410.	UG	LB	Lab
1 411 2007	VV	41000	Leadership	NIG I	Managem	Focuses on advanced theoretical models and effective skills in developing managerial leadership in organizations; and leadership style assessments and structured programs for ongoing		LD	Lab
Fall 2007	MGT411	411	and Teams	MGT	ent	4 professional leadership	UG	LE	Lecture
			Employee/Lab		Managem	This course provides two perspectives: managing in a unionized environment and managing in a non-unionized environment. The critical aspects of both types of organizations			
Fall 2007	MGT412	412	or Relations	MGT	ent	4 will be analyzed.	UG	LE	Lecture
			HR Consulting		Managem	Students will learn theory and application of various HR activities, primarily compensation and staffing. Students work in teams as HR consultants to a			
Fall 2007	MGT425	425	Skills	MGT	ent	4 local small business.	UG	LE	Lecture

						Monoping individual or -!			
						Managing individual and			
						collective organizational ethics			
						issues in domestic and global			
						environments; ethics cases in			
						business functions; moral			
						accountability; ethics, innovation			
						and sustainability; improving			
						moral judgment and ethical work			
			Business		Managem	cultures; corporate governance			
Fall 2007	MGT470	470	Integrity	MGT	ent	4 ethics.	UG	LE	Lecture
						Conflict at work has positive and			
						negative outcomes. Effectively			
						managed, it strengthens			
						relationships, while the converse		1	
						destroys them. Basic theories		1	
						provide foundation for practical		1	
						applications of conflict resolution		1	
			Managing		Managem	techniques in diverse work		1	
Fall 2007	MGT473	473	Conflict in Bus	MGT	ent	4 situations.	UG	LE	Lecture
						A domestic and global survey of			
						best quality business practices		1	
						and consulting processes.		1	
						Examines team application of		1	
						latest quality assessment and			
						development tools to existing		1	
			Quality Bus		Managem	companies in order to accelerate		1	
Fall 2007	MGT474	474	Practices	MGT	ent	4 transformation.	UG	LE	Lecture
						Students will work in teams with			
						small businesses to develop a		1	
						business plan. They will look at		1	
						marketing, finances, staffing,		1	
						etc. needed to start a business			
						or grow an existing business.		1	
						This class provides excellent			
			Small Business		Managem	hands-on application of previous			
Fall 2007	MGT475	475	Consulting	MGT	ent	4 course work.	UG	LE	Lecture
			Special		Managem	Reading or research in a selected			Independe
Fall 2007		1	Studies	MGT	ent	1 field of management. Topics	UG	IS	nt Study

			Hon: Ind		Managem		Research in management for fulfillment of the Honors			Independe
Fall 2007	MCT470	478		MGT		า		UG	IS	·
Fall 2007	MGT478	478	Study in Mgt	IVIG I	ent		program project requirement.	UG	15	nt Study
							Seminar in special topics such as organizational assessment,			
							training and development, and			
			Charles Tanias		Managam					
Fall 2007	MGT480	480	Special Topics in Mgt	MGT	Managem ent	1	personal career development. Topics vary.	UG	SE	Seminar
raii 2007	1010 1 400	400	iii wgt	IVIGI	ent	<u> </u>	A practical application that	UG	SE	Seminal
							integrates academic learning			
							with HRM or management work			
							experiences. This linkage allows			
							students to test their classroom			
							learning in an organizational			
					N 4		setting. Limited to HRM and			
F-II 2007	MCT 401	401	last a una ala im	NACT	Managem	1	management majors with senior	110	INI	lasta un alain
Fall 2007	MGT481	481	Internship	MGT	ent	3	status.	UG	IN	Internship
							Studies fundamental concepts of			
							international management and			
							examines cultural, institutional,			
			Laterna di caral		D. 4		behavioral, and management			
F 11 0007	NAOT 405	405	International	MOT	Managem		systems and their operation in			
Fall 2007	MGT485	485	Management	MGT	ent	4	the international sphere.	UG	LE	Lecture
							Ethical and legal issues in			
							business, government and			
							society; corporate governance			
							accountability to stakeholders;			
							responsible business leadership			
							and public policy with respect to			
							investor, employee, consumer,			
			Ethical/Legal		Managem		community, technology, and			
Fall 2007	MGT493	493	Issues Bus.	MGT	ent	4	environment relations.	UG	LE	Lecture
	MGT493		Writing in		Managem		Required writing component for			
Fall 2007	W	493W	MGT 493	MGT	ent	0	MGT 493.	UG	LB	Lab

						Integrated human resource	
						management strategies.	
						Students will work in groups to	
						analyze human resource	
			HR Strategy		Managem	structures, policies, and	
Fall 2007	MGT495	495		MGT	ent	4 programs in field situations. UG LE	Lecture
		1110				Integrative course requiring	
						application of all functional areas	
						of business in the analysis and	
						solution of business problems.	
						Strategic management is the	
						core synthesizing concept of	
			Strategic		Managem	study. Students are required to	
Fall 2007	MGT499	499	Mgt/Org Policy	MGT	ent	4 work in teams. UG LE	Lecture
						Students will work in teams with	
						small businesses to develop a	
						business plan. They will look at	
						marketing, finances, staffing,	
						etc. needed to start a business	
						or grow an existing business.	
						Provides excellent hands-on	
			Small Business		Managem	application of previous course	
Fall 2007	MGT675	675	Consult	MGT	ent	3 work. GR LE	Lecture
						Seminar in an area of current	
						interest in management or	
						human resource management.	
					Managem	Topics vary. May be taken for	
Fall 2007	MGT680	680	Special Topics	MGT	ent	1 letter grade or GR SE	Seminar
						Studies fundamental concepts of	
						international management and	
						examines cultural, institutional,	
						behavioral, and management	
			International		Managem	systems and their operation in	
Fall 2007	MGT685	685	Management	MGT	ent	4 the international sphere. GR LE	Lecture

						Analysis of the principal	
						functions, processes, and	
						problems involved in the	
						management of human	
						resources. Evaluation of	
			Sem Human		Managem	personnel systems, with	
Fall 2007	MGT703	703	Resource Mgt	MGT	ent		Seminar
raii 2007	10101703	703	Resource mgt	IVIGT	ent	Presents organization	Perminai
						development as an ongoing	
						change process that must be	
						3 .	
						planned and managed. A variety	
			Cama Implicatorial		Managana	of interventions are explained	
IE-II 0007	MOTZOE	705	Sem Industrial	NACT	Managem	and situations are analyzed to	
Fall 2007	MGT705	705	Relations	MGT	ent		Seminar
i						Organization development is	
1						presented as an ongoing change	
						process that must be planned	
						and managed. A variety of	
						interventions are explained, and	
			Organ Dev		Managem	situations are analyzed to	
Fall 2007	MGT706	706	and Change	MGT	ent		ecture
i						Course addresses importance of	
						innovation to organizations,	
						common impediments to	
						innovation, and ways	
						organizations can stimulate,	
			Creativity &		Managem	cultivate and implement creative	
Fall 2007	MGT766	766	Innovation	MGT	ent	4 ideas. GR LE L	_ecture
						Concepts and philosophies are	
						developed by which modern	
						management deals with one-	
						time projects/tasks that have a	
ı			Fundamentals		Managem	set of specified time, cost, and	
Fall 2007	MGT770	770	of Proj Mgt	MGT	ent	4 performance objectives. GR LE L	_ecture

							Overview of the role of			
							contracting and contract			
							administration in contemporary			
							society. Analysis and synthesis of			
			Project		Managem		the relationship of contracting to			
Fall 2007	MGT772	772	Contract Mgt	MGT	ent	1	the project management system.	CD	LE	Lecture
1 all 2007	IVIGITIZ	112	Contract wigt	IVIGT	CIIL	4	Examines project management	GK	LL	Lecture
							techniques that are currently			
							available to aid in planning,			
							estimating, scheduling, and			
							controlling a project from			
			Proj Pln				inception to completion. Current			
			Eval&Contrl		Managem		project management software is			
Fall 2007	MGT773	773	Tech	MGT	ent	1	used and/or demonstrated.	GR	LE	Lecture
raii 2007	IVIGITIS	113	Tecn	IVIGI	ent	4	One-quarter internship in a	GK	LC	Lecture
							selected private or governmental			
							organization under the direction			
							of a faculty advisor and			
							employment supervisor. Details			
							to be arranged by the			
							department or college office. Enrollment in the M.B.A.			
			Managamant		Managam		Program, completion of at least seven out of ten core courses,			
Fall 2007	MCT700	700	Management	MCT	Managem	2		CD	INI	Intornobio
Fall 2007	MGT780	780	Internship	MGT	ent	<u> </u>	and departmental approval Intensive reading or research in	GR	IN	Internship
			Cnoolel		Managam		a selected field of advanced			Indonondo
Fall 2007	MCT701	701	Special	MOT	Managem	1		CD	ıc	Independe
Fall 2007	MGT781	781	Studies	MGT	ent	Į.	management. Titles vary.	GR	IS	nt Study
Fall 2007	MCT700	799	Thesis	MCT	Managem	1		CD	IS	Independe
Fall 2007	MGT799	799	Thesis	MGT	ent	ı	Introduction to sustains	GR	12	nt Study
							Introduction to customs,			
			Intro to				courtesies, doctrine, and			
			Intro to		N 4:1:4 a		organization of the U.S. Army,			
F-11 0007	NAU 444	444	Military		Military	^	and policies affecting	110		1 1
Fall 2007	MIL111	111	Science I	MIL	Science	2	deployment of land forces.	UG	LE	Lecture

							Introduction to leadership			
							emphasizing fundamentals and			
			Intro to				principles of leadership,			
			Military		Military		characteristics of a group, and			
Fall 2007	MIL112	112	Science II	MIL	Science	2	traits of a leader.	UG	LE	Lecture
							Analysis of leadership theories			
							and management tasks including			
							analysis of organizational			
							structures, planning and			
							organizing, and controlling			
			Intro to				rewards and punishments.			
			Military		Military		Extensive use of case studies in			
Fall 2007	MIL113	113	Science III	MIL	Science	2	leadership and management.	UG	LE	Lecture
							Analysis of the light infantry			
							squad's weapons and			
							employment and the leader s			
							role in directing and controlling			Lecture/La
							small units in the execution of			b
			Intro Military		Military		offensive and defensive tactical			Combinatio
Fall 2007	MIL211	211	Leadership I	MIL	Science	2	missions. Two hours lecture, one	UG	LL	n
							Hands-on approach to the			
							fundamentals of military map			
							reading. Emphasis on			
							identification of terrain features,			
							using grid systems, plotting			Lecture/La
							locations, measuring distances,			b
			Intro Military		Military		intersection, resection, and			Combinatio
Fall 2007	MIL212	212	Leadership II	MIL	Science	2	graphic representation.	UG	LL	n
							Analysis of the small unit leader's			
							role in the execution of tactical			
							missions. Requires weekend			
							training exercises and			Lecture/La
							participation in a physical fitness			b
			Intro Military		Military		program. Two hours conference,			Combinatio
Fall 2007	MIL213	213	Leadership III	MIL	Science	2	one hour lab.	UG	LL	n

			1	T			T	T	
						Analysis of the small unit leader's			
						role in the execution of tactical			
						missions. Requires weekend			
						training exercises and			Lecture/La
						participation in a physical fitness			b
			Small Unit		Military	program. Two hours conference,			Combinatio
Fall 2007	MIL311	311	Leadership I	MIL	Science	2 one hour lab.	UG	LL	n
						Study of military weapons and			
						equipment and analysis of			
						geography as it pertains to			
						military operations. Requires			
						participation in weekend			Lecture/La
						exercises and physical training			b
			Small Unit		Military	program. Two hours conference,			Combinatio
Fall 2007	MIL312	312	Leadership II	MIL	Science	2 one hour lab.	UG	LL	n
			·			Development of ability to			
						express oneself clearly and			
						accurately with emphasis on			
						analysis of military problems,			
						evaluation of situations, and			
						preparation and delivery of			
						logical solutions. Requires			Lecture/La
						participation in weekend training			b
			Small Unit		Military	exercises and physical training			Combinatio
Fall 2007	MIL313	313		MIL	Science	2 program. Two hours conference,	UG	LL	n
						Study of the organization and			
						functions of military staffs with			
						an in-depth analysis of the			
						coordinating staff. Introduction			
						into officer-enlisted relations.			
						Requires participation in			Lecture/La
						weekend training exercises and a			h
			Advanced		Military	physical fitness program. Two			Combinatio
Fall 2007	MIL411	411	Leadership I	MIL	Science		UG	11	n
1 all 2007	IVIILTII	711	Leader Strip 1	IVIIL	JUICHICE	Z Hours connected to the Hour lab.	00		11

						briefing techniques/formats. Introduction to professionalism			
						and military professional ethics.			
						Requires participation in			Lecture/La
						weekend training exercises and a			b
			Advanced		Military	physical fitness program. Two			Combinatio
Fall 2007	MIL412	412	Leadership II	MIL	Science	2 hours conference, one hour lab.	UG	LL	n
						Study/analysis of selected			
						leadership and management			
						problems within the military			
						justice system. Introduction to			
						the counseling obligations and			
						responsibilities of an officer.			
						Requires participation in			Lecture/La
						weekend training exercises and a			b
			Advanced		Military	physical fitness program. Two			Combinatio
Fall 2007	MIL413	413	Leadership III	MIL	Science	2 hours conference, one hour lab.	UG	LL	n
						Independent study project on			
						selected recent or current events			
						that impact on U.S. Army			
						operations, doctrine, structure,			
						planning, or organization. A			
						detailed presentation, causes,			
			Advanced		Military	actions, and results of a selected			Independe
Fall 2007	MIL450	450	Topics	MIL	Science	1 topic.	UG	IS	nt Study
						Computer literacy, information			
						processing fundamentals, and			
						terminology pertinent to using			
					Managem	and developing computer			
					ent	applications. Students access			Lecture/La
			Intro Comp-		Informati	database software and the			b
			Based Info		on	Internet in the lab session. Three			Combinatio
Fall 2007	MIS100	100	Systems	MIS	Systems	4 hour lecture, one hour lab.	UG	LL	n

						Abotropt dot- times - date			
						Abstract data types, data			
						structures, and their			
						implementation in object-			
						oriented programs. Data			
						structures covered include			
						stacks, queues, lists, trees, and			
					Managem	graphs. Course requirements			
					ent	include designing and testing			Lecture/La
					Informati	object-oriented programs for			b
			Business Data		on	business applications.			Combinatio
Fall 2007	MIS215	215	Structures	MIS	Systems	4 Prerequisite: CS 209, MTH 228.	UG	LL	n
						Examination of management			
						information systems from a user			
						perspective. Emphasis on the			
						system life cycle, including			
						computer system analysis and			
					Managem	design and the software			
					ent	development life cycle. Database			Lecture/La
					Informati	support used to build an			b
			Introduction		on	information system. Three hours			Combinatio
Fall 2007	MIS300	300	to MIS	MIS	Systems	4 lecture, one hour lab.	UG	LL	n
					3	Review of computer architecture			
						and system administration.			
						Topics include processor			
						management, concurrent			
						programming, memory			
						management, file system, I/O			
					Managem	system, network system, and			
					ent	system maintenance. Emphasis			Lecture/La
			Business		Informati	is on system administration and			b
			Operating		on	programming in business			Combinatio
Fall 2007	MIS305	305	Systems	MIS	Systems	4 organizations. Prerequisite: MIS	UG	LL	n

Fall 2007	MIS325	325	Analysis & Design of Info Sys	MIS	Managem ent Informati on Systems	Overview of the system analysis and design methodologies. Topics include planning, SDLC, project management overview, data, process and logic modeling techniques. Students learn to specify design, implementation, 4 specifications, and testing plans. An introduction to E-business	UG	LL	Lecture/La b Combinatio n
Fall 2007	MIS345	345	E-Bus Strategy, Design & Appl	MIS	Managem ent Informati on Systems	strategy and design. Students will examine electronic methods of delivering products and services between organizations (B2B) and consumers (B2C). A solution to an e-business case 4 will be developed.	UG	LL	Lecture/La b Combinatio n
Fall 2007	MIS415	415	Business Database Systems	MIS	Managem ent Informati on Systems	Understanding concepts, principles and data models of managing organizational data. Students will gain extensive experience in developing data models, applying relational database software, creating and using complex queries, and learning recent topics. Prerequisite or corequisite: MIS 4 325.	UG	LL	Lecture/La b Combinatio n
Fall 2007	MIS425	425	Business Networks & Telecom	MIS	Managem ent Informati on Systems	Familiarize students with the background, comcepts, types, proper applications, and components of telecommunications, network design, and distributed information systems. Emphasis is on the telecommunications technology and its impact on information systems and 4 business operations.		LE	Lecture

Fall 2007	MIS450	450	Sys Develop & Implementatio n	MIS	Managem ent Informati on Systems Managem	An introduction to the basic principles, methods, and tools of software development. Concentrates on software development discipline, encompassing different paradigms and methods. Topics include software conventional and object-oriented design and development methods, software quality assurance, and software measurement.	UG	LE	Lecture
Fall 2007	MIS450W	450W	Writing in MIS	MIS	ent Informati on Systems	0	UG	LB	Lab
Fall 2007	W13430W	45000		IVIIS	Managem ent Informati	Research in selected fields of	00	LB	
Fall 2007	MIS477	477	Special Studies in MIS	MIS	on Systems Managem	management information 1 systems. Topics vary. Research in management	UG	IS	Independe nt Study
			Independent		ent Informati on	information systems for fulfillment of the honors project requirement. Senior MIS majors			Independe
Fall 2007	MIS478	478	Study in MIS	MIS	Systems Managem	2 only.	UG	IS	nt Study
			Special Topics		ent Informati	Cutting edge topics could include Information Security, Enterprise			
Fall 2007	MIS480	480	Special Topics in MIS	MIS	on Systems	Integrated Systems and Data 4 Mining and Data Warehouse.	UG	LE	Lecture

Fall 2007	MIS481	481	Internship in MIS	MIS	Managem ent Informati on Systems Managem ent	Faculty-supervised internship in management information systems. Students work on an information systems project in a firm or public agency and submit reports for completion of the course.	UG	IN	Internship
					Informati on				
Fall 2007	MIS481W	481W	Writing in MIS	MIS	Systems	0	UG	LB	Lab
			IS Project Mgt &		Managem ent Informati on	Introduce concept, practice, and the importance of project management. Students work in teams to gain practical experience in analyzing, designing, implementing, evaluating, and development of information system, for businesses and non-profit			
Fall 2007	MIS495	495	Development	MIS	Systems	4 organizations.	UG	LE	Lecture
			Info Cuotomo		Managem ent Informati	Focuses on basic principles, methods and tools of development of information systems by considering framing and execution of IS projects within organizational contexts. Particular attention is given to			
Fall 2007	MIS700	700	Info Systems Delelopment	MIS	on Systems	problem structuring and problem 4 design issues.	GR	LE	Lecture

						Introduction to electronic			
						commerce including			
						fundamentals, applications,			
						benefits and limitations, security			
						and risks, infrastructure and			
					Managem	other issues.Primary theme is			
					ent	proper application of electronic			
			E-Business		Informati	commerce and its technologies			
			Strategy/Tech		on	to gain competitive advantage			
Fall 2007	MIS705	705	nology	MIS	Systems	4 for business.	GR	LE	Lecture
			33			Database concepts, data			
						modeling with E/RD, approaches,			
						relational database model and			
						design, SQL, object-oriented			
					Managem	database concepts, semi-			
					ent	structured data and XML,			
					Informati	database system			
			Managing		on	implementation, emerging			
Fall 2007	MIS710	710	Business Data	MIS	Systems	4 trends, and a term project.	GR	LE	Lecture
						Includes data communications			
						hardware, software, terminology,			
						and network topology. Discusses			
					Managem	the impact of communications on			
					ent	business operations,			
			Telecommunic		Informati	globalization and management			
			ations		on	practices, and investigates the			
Fall 2007	MIS720	720	Management	MIS	Systems	4 issues related to managing	GR	LE	Lecture
					Managem	Intensive research in a selected			
					ent	field of management information			
					Informati	systems. Topics vary.			
			Special		on	Prerequisite: permission of			Independe
Fall 2007	MIS781	781	Studies in MIS	MIS	Systems	1 instructor	GR	IS	nt Study

						Concepts and practices of management information			
					Managem	systems for using information in			
					ent	the management of business			
					Informati	enterprises are investigated to			
			Info Systems		on	determine their deployment in			
Fall 2007	MIS788	788	Strategy	MIS	Systems	4 achieving organization	GR	LE	Lecture
						This course provides a broad			
						overview of the strategies used			
						in technology enabled			
						businesses. The emphasis on			
					Managem	the business applications and			
					ent	characteristics of the			
					Informati	technologies that can bring			
			Tech-Enabled		on	enhanced revenues, cost			
Fall 2007	MIS790	790	Bus & Orgz	MIS	Systems	4 savings, and broader market	GR	LE	Lecture
						This course provides a			
						comprehensive approach for			
						transforming business processes			
						of an organization. It will			
					Managem	demonstrate how to keep the			
					ent	renewed process working at their			
			Business		Informati	optimum level through process			
			Process		on	ownership and performance			
Fall 2007	MIS791	791	Management	MIS	Systems	4 management.	GR	LE	Lecture
						An in-depth study of customer			
						relationship management (CRM)			
						technologies and data			
					Managem	warehouse applications. The			
					ent	special focus on the application			
					Informati	of CRM and data warehouse			
			Cust Rel Mgt		on	technologies for managing the			
Fall 2007	MIS792	792	& Bus Intel	MIS	Systems	4 customer and data lifecycle.	GR	LE	Lecture

							This course provides a			
							background in the fundamental			
							principles of Enterprise			
							Application Integration (EAI).			
							Different types of Integration			
					Managem		projects are explained, including			
					ent		intra-organization Enterprise			
					Informati		Application Integration (EAI),			
			Enterprise		on		Web integration and B2B			
Fall 2007	MIS793	793	Appl Integret	MIS	Systems	4	integration.	GR	LE	Lecture
							The subject surveys concepts			
							and advanced data management			
							for Supply Chain Management. It			
							will address a number of			
					Managem		technology enablers of supply			
					ent		chain management including ERP			
					Informati		and SCM applications, Web-			
			Adv Data Mgt		on		centric marketplaces, and			
Fall 2007	MIS794	794	For SC	MIS	Systems	4	auction technologies.	GR	LE	Lecture
							IS Project management			
							encompasses the knowledge,			
							techniques, and tools necessary			
					Managem		to manage the development of			
					ent		information systems projects.			
					Informati		Leading edge tools, techniques,			
					on		and concepts will be presented			
Fall 2007	MIS795	795	IS Project Mgt	MIS	Systems	4	through the course.	GR	LE	Lecture
							This survey course will provide			
					Managem		an understanding of			
					ent		communications and IT			
					Informati		infrastructures, their vulnerability			
			Information		on		as well as the size and			
Fall 2007	MIS796	796	Assurance	MIS	Systems	4	complexity of security threats	GR	LE	Lecture

							The objectives of this course are			
							to provide an understanding of			
					Managem		the unique challenges inherent in			
					ent		profit delivering service			
					Informati		excellence and providing an			
			Mgt of Tech		on		introduction to state of the art			
Fall 2007	MIS797	797	Services	MIS	Systems	4	service management thinking.	GR	LE	Lecture
							This course examines the			
							dynamic of IT partnerships. To			
							manage a global project, project			
							managers need to be experts in			
					Managem		defining requirements, managing			
					ent		change, communications,			
					Informati		cultural sensitivity, planning and			
			IT Outsource		on		conducting project reviews, and			
Fall 2007	MIS798	798	& Partnership	MIS	Systems	4	negotions.	GR	LE	Lecture
					Managem					
					ent		The Capstone IT Project provides			
			IS Mgt		Informati		students the opportunity to			
			Research		on		individually explore a problem or			
Fall 2007	MIS799	799	Project	MIS	Systems	8	issue within the IT field study.	GR	LE	Lecture
							Survey course dealing with the			
							role of marketing in society,			
							customer selection, product			
							management, channels of			
							distribution, pricing concepts,			
							promotional activity, research			
			Principles of				and planning with an economic			
Fall 2007	MKT250	250	Marketing	MKT	Marketing	4	and business environment.	UG	LE	Lecture
			Int'l Marketing							
Fall 2007	MKT277	277	Study Tour	MKT	Marketing	1		UG	LE	Lecture

	1			T		A.s	T	1	
						An understanding ot the			
						purchase decision processes of			
						individuals and families.			
						Examination of psychological,			
						economic, societal and cultural			
						influences on consumer			
						decisions. Marketing strategy			
			Consumer			implications of conceptual			
Fall 2007	MKT303	303	Behavior	MKT	Marketing	4 contructs are discussed	UG	LE	Lecture
						Overview of the multidimensiona			
						activities within this industry. An			
						industry framework will be			
						presented to explain the			
			Sports and			strategic marketing process,			
			Event			contrasting its similarities and			
Fall 2007	MKT325	325	Marketing	MKT	Marketing	4 differences to the well-studied	UG	LE	Lecture
						Explores the fundamental			
						product, price, promotion, and			
						distribution issues that require			
						special attention in the			
						marketing of services and their			
						related current and emerging			
			Services			theories and strategies for			
Fall 2007	MKT356	356	Marketing	MKT	Marketing	4 effective implementation.	UG	LE	Lecture
						Emphasizes personal selling-			
						marketing relationships, buyer			
						motivation and behavior, selling			
						strategy, and techniques of			
						selling. Objectives, policies, and			
						techniques of sales force			
			Personal			management including financial			
			Selling & Sales			and performance responsibilities			
Fall 2007	MKT366	366	Mgt	MKT	Marketing	4 and opportunities.	UG	LE	Lecture
			Ŭ			Evaluation and application of			
						existing and developing pricing			
						techniques, procedures,			
			Price			concepts, and theories to			
Fall 2007	MKT418	418	Management	MKT	Marketing	4 simulated and real price	UG	LE	Lecture

Fall 2007	MKT421	421	International Marketing	MKT	Marketing	Analysis of the nature and scope of international marketing including its managerial and operational problems. Emphasis is on the role of environmental differences that influence marketing strategy.	UG	LE	Lecture
Fall 2007	MKT431	431	Supply-Chain Distribution	MKT	Marketing	Introduction to the concepts and procedures, the importance, and the management of the "supply chain" that physically moves products and services down the chain of companies to the final customer.	UG	LE	Lecture
Fall 2007	MKT446	446	Integrated Marketing Comm	MKT	Marketing	The course will introduce students to integrated marketing communications including advertising, direct marketing, public relations and sales promotion. Includes discussion	UG	LE	Lecture
Fall 2007	MKT447	447	Technologies in Marketing	MKT	Marketing	Understanding marketing technologies. Topics will vary; may include micro marketing, geo-demographic marketing, data mining, Internet marketing, diffusion models, competitive advantage, Howard models of consumer behavior and sales 4 forecasting.	UG	LE	Lecture
raii 2007	IVIN I 44/	447		IVIKI	iviai ketii ig	Examination of marketing research processes. Focuses on concepts and procedures, the		LC	Lecture
Fall 2007	MKT451	451	Marketing Research	MKT	Marketing	importance and the management of research in marketing.	UG	LE	Lecture

		1		1		T	T1 1 6 11	1		
							The goals of the course are to			
							develop students' abilities to			
							recognize opportunities and			
							solve problems related to			
							marketing strategy and improve			
							students' decision making skills			
			Marketing				as applied to the planning of			
Fall 2007	MKT452	452	Strategy	MKT	Marketing		marketing programs.	UG	LE	Lecture
							Analysis of the performance of			
							marketing functions at the retail			
							level. Emphasis on institutional			
							and competitive factors and			
							management of the marketing			
			Principles of				mix as it relates to retail market			
Fall 2007	MKT461	461	Retailing	MKT	Marketing	4	segments.	UG	LE	Lecture
							Explores business-to-business			
							marketing - the marketing of			
							goods and services to businesses			
							rather than consumers.			
							Examines the diferences			
							between consumer and business			
			Business-To-				marketing in target markets,			
			Business				product, price, promotion,			
Fall 2007	MKT471	471	Marketing	MKT	Marketing	4	distribution and the environment.	UG	LE	Lecture
							How to start a business.			
							Concepts, strategies and tactics			
							of product			
							innovation/development and			
							planning to initiate of purchase a			
							company. Students may develop			
			Entrepreneurs				a written business plan for a new			
Fall 2007	MKT475	475	hip	MKT	Marketing		venture.	UG	LE	Lecture
			Ind Studies in				Research or other marketing			Independe
Fall 2007	MKT477	477	Marketing	MKT	Marketing		project.	UG	IS	nt Study
			Honors:Ind				Research in marketing for			
			Study in				fulfillment of the Honors			Independe
Fall 2007	MKT478	478	Marketing	MKT	Marketing	2	program project requirement	UG	IS	nt Study

Fall 2007	MKT707	707	Analysis	MKT	Marketing	4	GR	LE	Lecture
			Marketing Research &						
Fall 2007	MKT705	705	Comm	MKT	Marketing	4 and integration strategies and	GR	LE	Lecture
			Integrated Marketing			marketing communications plan, development and implementation of promotional			
						Study of the promotional components of an integrated			
Fall 2007	MKT700	700	Product and Price Management	MKT	Marketing	development and management process, including innovations and product maintenance, initial and ongoing pricing strategies	GR	LE	Lecture
Fall 2007	MKT653	653	in Marketing	MKT	Marketing	4 topics. Study of the product	GR	LE	Lecture
1 411 2007	IVIIX I 472 VV	772VV	Special Topics		warketing	Seminars in marketing - related			Lab
Fall 2007	MKT492W	1/402///	Writing in MKT 492	MKT	Marketing	Required writing component for 0 MKT 492.	UG	LB	Lab
Fall 2007 Fall 2007 Fall 2007	MKT480 MKT481 MKT492	480 481 492	Internship in Marketing Senior Projects in Marketing	MKT MKT	Marketing Marketing Marketing	channels of distribution, and 4 forecasting. Topics vary. Faculty-supervised internship in 1 marketing area. Final course to integrate the students' work in marketing and to practice marketing problem- solving. Particular emphasis is given to the development of marketing plans.	UG UG UG	LE IN	Lecture Internship Lecture
			Special Topics			Seminar in special topics such as consumerism and social issues, nonprofit organization marketing, advanced retailing management, channels of distribution, and			

						Introduces the concepts and			
						language of international			
						marketing and examines			
						institutional, behavioral, and			
						managerial aspects of a cross			
						section of national marketing			
			International			systems and multinational			
Fall 2007	MKT716	716	Marketing	MKT	Marketing	4 organization operations.	GR	LE	Lecture
1 all 200.	-	7.0	War Nothing	IVIIXI	Marketing.	Through case analysis and an	O. C		20012.0
						applied project, students will			
						examine contemporary			
						marketing issues faced by			
						retailers and service providers.			
						The impact of technology on			
			Retailing/Prof			retailing and services marketing			
Fall 2007	MKT717	717	Services Mktg	MKT	Marketing	4 will be addressed.	GR	LE	Lecture
			— •			Explores fundamental marketing			
						issues that require special			
						attention in the marketing of			
			Service and			services, including non-profit			
Fall 2007	MKT720	720	Non-Profit Mkt	MKT	Marketing	4 marketing.	GR	LE	Lecture
						Concepts and principles of			
						database marketing, including			
			Database			direct marketing strategies and			
Fall 2007	MKT727	727	Marketing	MKT	Marketing	4 tactics.	GR	LE	Lecture
						Critical study of marketing			
						concepts and practices as related			
						to contemporary social issues in			
						the American economy:			
						consumerism, ecology, product			
						safety, truth in advertising,			
						poverty, national interest, social			
						responsibility, and government's			
						role in consumer protection.			
			Consumerism			Emphasis on the institutional and			
			& Soc Issues-			managerial philosophy points of			
Fall 2007	MKT730	730	Mkt	MKT	Marketing	3 view, not a legal perspective.	GR	LE	Lecture

							Prepares students to use			
							marketing principles, concepts,			
							strategies, and particularly direct			
							response theory and principles,			
							for developing an Internet			
							marketing plan with specific			
			Internet				Internet and Web page			
Fall 2007	MKT740	740	Marketing	MKT	Marketing	4	strategies and tactics.	GR	LE	Lecture
							Problems and perspectives in			
							starting new ventures. Concepts			
							and techniques of searching for			
							market opportunities, screening			
							and evaluating potentials,			
							negotiating, and financing to			
							initiate or purchase a company.			
			Entrepreneurs				May develop individual written			
Fall 2007	MKT775	775	hip	MKT	Marketing		business plan.	GR	LE	Lecture
			Marketing				Faculty-supervised internship in			
Fall 2007	MKT780	780	Internship	MKT	Marketing	4	marketing area.	GR	IN	Internship
							D 11			
F-II 0007	MUTTOA	701	Ind Studies in	NAIZT	NA - ol - oli - oli - o		Readings or research in a	CD.	10	Independe
Fall 2007	MKT781	781	Marketing Mgt	IVIK I	Marketing	I	selected field of marketing.	GR	IS	nt Study
Fall 2007	MIZTOO	700	Continuing	MUT	Marketing	1		CD	ıc	Independe
Fall 2007	MKT789	789	Registration	MKT	Marketing	ı		GR	IS	nt Study Independe
Fall 2007	MKT799	799	Thesis	MKT	Marketing	1		GR	IS	nt Study
1 411 2007	IVIIX 1777	177	1110313	IVIIX I	Marketing	-	Study of French culture	OK	13	Tit Study
					Modern		according to language			
					Language		distinctions with emphasis on the			
Fall 2007	ML301	301	French Culture	ML	S		uniqueness within the family of	UG	LE	Lecture
							Study of German culture			
					Modern		according to language			
			Germanic		Language		distinctions with emphasis on the			
Fall 2007	ML302	302	Culture	ML	S	4	uniqueness within the family of	UG	LE	Lecture
							Study of Spanish cultures			
					Modern		according to language			
			Spanish		Language		distinctions with emphasis on the			
Fall 2007	ML303	303	Culture	ML	S	4	uniqueness within the family of	UG	LE	Lecture

							Study of Spanish-American			
			Spanish-		Modern		culture according to language			
			American		Language		distinctions with emphasis on the			
Fall 2007	ML304	304	Culture	ML	S	4	uniqueness within the family of	UG	LE	Lecture
					Modern					
			Writing in ML		Language					
Fall 2007	ML304W	304W	304	ML	S	0		UG	LB	Lab
							Study of Russian culture			
					Modern		according to language			
			Russian		Language		distinctions with emphasis on the			
Fall 2007	ML305	305	Culture	ML	S	4	uniqueness within the family of	UG	LE	Lecture
			Intro to		Modern		Selected works of foreign			
			Brazilian		Language		literature studied in English			
Fall 2007	ML306	306	Culture	ML	S	4	translation. French literature.	UG	LE	Lecture
							Emphasizes German heritage of			
							the Ohio Valley, exposing			
							students to the immigrant			
							experience of another culture,			
							enriches students'			
			German-		Modern		understandings of themselves.			
			American		Language		Explores various German-			
Fall 2007	ML307	307	Culture	ML	S	4	speaking identities through many	UG	LE	Lecture
					Modern		Selected works of foreign			
			French Lit in		Language		literature studied in English			
Fall 2007	ML311	311	Translation	ML	S	4	translation. French literature.	UG	LE	Lecture
					Modern		Selected works of foreign			
			German Lit in		Language		literature studied in English			
Fall 2007	ML312	312	Translation	ML	S	4	translation. German literature.	UG	LE	Lecture
					Modern		Selected works of foreign			
			Russian Lit in		Language		literature studied in English			
Fall 2007	ML313	313	Translation	ML	S	4	translation. Russian literature.	UG	LE	Lecture
					Modern		Selected works of foreign			
			Spanish Lit in		Language		literature studied in English			
Fall 2007	ML314	314	Translation	ML	S	4	translation. Spanish literature.	UG	LE	Lecture
							Selected works of foreign			
					Modern		literature studied in English			
			Spanish-Amer		Language		translation. Spanish-American			
Fall 2007	ML315	315	Lit Translation	ML	S	4	literature.	UG	LE	Lecture

					Modern					
			Writing in ML		Language					
Fall 2007	ML315W	315W	315	ML	S	0		UG	LB	Lab
							Selected works of foreign			
					Modern		literature studied in English			
			Scandinavian		Language		translation. Scandinavian			
Fall 2007	ML316	316	Lit Translation	ML	S	4	literature.	UG	LE	Lecture
			Chld Lit Tchr		Modern		Problems, approaches, and			
			of Foreign		Language		topics in the field of modern			
Fall 2007	ML369	369	Lang	ML	S	4	languages. Topics vary.	UG	LE	Lecture
							Problems, approaches, and			
			Studies in		Modern		topics in the field of modern			
			Selected		Language		languages. Topics vary.			
Fall 2007	ML399	399	Subjects	ML	S	1		UG	LE	Lecture
							Reading and discussion of			
							children's books in modern			
							languages (French, Spanish,			
							Berman) and reading			
			Chld Lit Tchrs		Modern		informational books about the			
			of Foreign		Language		countries where the languages			
Fall 2007	ML569	569	Lang	ML	S	4	are spoken.	GR	LE	Lecture
							Course of variable content			
			Studies in		Modern		dealing with problems,			
			Selected		Language		approaches, and topics in the			
Fall 2007	ML599	599	Subjects	ML	S	1	field of modern languages.	GR	LE	Lecture
							Introduction to film appreciation			
							and analysis; examines critical			
			Film		Motion		approaches to film and film style			
Fall 2007	MP131	131	Appreciation	MP	Picture	4	including authorship and genre.	UG	LE	Lecture
							Introduction to the basic			
							elements of film production			
							including scripting,			
							cinematography, editing, and			Lecture/La
							sound. Participation on super-8			b
			Film		Motion		film projects from initial			Combinatio
Fall 2007	MP180	180	Production I	MP	Picture	3	conception to final screening.	UG	LL	n

						Historical development of the art			
						of the film from 19th-century			
						scientific experiments through			
						the end of silent era.			
			History of			Examination of technical, social,			
			Motion Picture		Motion	economic, and cultural factors			
Fall 2007	MP231	231	i i i i i i i i i i i i i i i i i i i	MP	Picture	3 that have shaped film art.	UG	LE	Lecture
Fall 2007	IVIP23 I	231	Writing in MP	IVIP	Motion	3 that have shaped him art.	UG	LE	Lecture
Fall 2007	MD221M	22114/	231	MP		0	UG	LB	Lob
Fall 2007	MP231W	231W	231	IVIP	Picture	Ulictorical devalarment of the out	UG	LB	Lab
						Historical development of the art			
						of the film from beginning of the			
						sound era to the mid-fifties.			
			History of			Consideration of both American			
- u 0007			Motion Picture		Motion	and European film and relation		. –	
Fall 2007	MP232	232		MP	Picture	3 of films to sociocultural	UG	LE	Lecture
						Historical development of the art			
						of the film from the beginning of			
						the mid-fifties to the present.			
						The decline of the studio system,			
						major film movements of the			
			History of			sixties, and the rise of			
			Motion Picture		Motion	independent feature production			
Fall 2007	MP233	233	111	MP	Picture	3 are considered.	UG	LE	Lecture
			Writing in MP		Motion	Required writing component for			
Fall 2007	MP233W	233W	233	MP	Picture	0 MP 233.	UG	LB	Lab
						(Also listed as COM 253.)			
						Introduction to the use of video			
						production equipment, using			
						lecture, demonstration, and			
						experiential approaches.			
						Appropriate laboratory time			
						provided in television studio.			
			Basic Video		Motion	Prerequisite: COM 152, or			
Fall 2007	MP253	253	Production	MP	Picture	3 permission of instructor.	UG	LB	Lab

			Intermediate Film		Motion		Production of medium length film projects under faculty supervision. Review of lip-sync film production techniques and discussion of special production problems. Includes writing of film treatment and shooting script, and shooting and finishing a medium-length film.			Lecture/La b Combinatio
Fall 2007	MP281	281	Production	MP	Picture	3		UG	LL	n
5 H 0007	Managa		Intermediate Film		Motion		Production of medium length film projects under faculty supervision. Review of lip-sync film production techniques and discussion of special production problems. Includes writing of film treatment and shooting script, and shooting and finishing			Lecture/La b Combinatio
Fall 2007	MP282	282	Production	MP	Picture	3	a medium-length film.	UG	LL	n
			Intermediate Film		Motion		Production of medium length film projects under faculty supervision. Review of lip-sync film production techniques and discussion of special production problems. Includes writing of film treatment and shooting script, and shooting and finishing			Lecture/La b Combinatio
Fall 2007	MP283	283	Production	MP	Picture	3	a medium-length film.	UG	LL	n
Fall 2007	MP331	331	Studies in Film History	MP	Motion Picture	3	Provides intensive study of selected areas of film history. Titles vary. (Previously listed as TH 331.) Provides an intensive study of	UG	LE	Lecture
Fall 2007	MP332	332	Studies in Film Authorship	MP	Motion Picture	2	the work of one or more film directors or other creative personnel, such as screenwriters or performers. Titles vary.	UG	LE	Lecture
1 all 2007	IVIF JJZ	JJZ	Authorship	IVIE	FICTULE	ა	or periornicis, rilles vary.	UU	LL	Lecture

							Provides an intensive study of a			
			Ctudios in Film		Motion		film genre (e.g., the western, the			
Fall 2007	MP333	333	Studies in Film Genre	MP	Picture	2	musical, and the gangster film). Titles vary.	UG	LE	Lecture
Fall 2007	IVIP333	333	Genre	IVIP	Picture	3	Comprehensive survey of the	UG	LC	Lecture
							history of documentary film and			
							an introduction to the theories			
			Hist & Thry				and approaches used by			
			Documentary		Motion		documentary filmmakers			
Fall 2007	MP334	334	Film	MP	Picture	2	throughout this century.	UG	LE	Lecture
raii 2007	IVIP334	334	ГШП	IVIP	Picture	3	Production of 16mm film and	UG	LE	Lecture
							video projects under faculty			
							supervision including budgeting,			
							financing, and production. Emphasis on the documentary,			
							fiction, and independent film			Lecture/La
							within the free-lance 16mm			Lecture/La
			16MM Film		Motion		market.			Combinatio
Fall 2007	MP381	381	Production	MP	Picture	5	market.	UG	LL	n
raii 2007	IVIF 30 I	301	FIOUUCIIOII	IVIF	Ficture	3	Production of 16mm film and	UG	LL	
							video projects under faculty			
							supervision including budgeting,			
							financing, and production.			
							Emphasis on the documentary,			Lecture/La
							fiction, and independent film			
			16MM Film		Motion		within the free-lance 16mm			b Combinatio
Fall 2007	MP382	382	Production	MP	Picture	_	market.	UG	LL	n
Fall 2007	IVIF302	302	FIOUUCIIOII	IVIF	Ficture	3	Production of 16mm film and	UG	LL	11
							video projects under faculty			
							supervision including budgeting,			
							financing, and production.			
							Emphasis on the documentary,			Lecture/La
							fiction, and independent film			h
			16MM Film		Motion		within the free-lance 16mm			Combinatio
Fall 2007	MP383	383	Production	MP	Picture	E	market.	UG	LL	n
1 all 2007	IVIF 303	303	Studies in	IVIF	rictule	3	Problems, approaches, and	UG	LL	11
			Selected		Motion		topics in the field of motion			
Fall 2007	MP399	399	Subjects	MP	Picture	1	pictures. Topics vary.	UG	LE	Lecture
1 all 2007	IVIFJ77	377	Subjects	IVIF	ricture	I	pictuies. Topics vary.	UU	LE	Lecture

			Writing in MP		Motion					
Fall 2007	MP399W	399W	399	MP	Picture	0		UG	LB	Lab
							Intensive examination of a			
			Studies in Film		Motion		selected area of film criticism.			
Fall 2007	MP435	435	Criticism	MP	Picture	3	Titles vary.	UG	LE	Lecture
										Lecture/La
							Provides an intensive study of a			b
			Studies in Film		Motion		selected area of film production.			Combinatio
Fall 2007	MP436	436	Production	MP	Picture	3	Titles vary.	UG	LL	n
			Writing in MP		Motion					
Fall 2007	MP436W	436W	436	MP	Picture	0		UG	LB	Lab
							Requires production of a 16mm			
							sound film to answer print stage			ļ
							with optical soundtrack, and the			
			Senior				organization of a cumulative			
			Practicum in		Motion		senior screening including the			Independe
Fall 2007	MP481	481	Filmmaking	MP	Picture	3	practicum films.	UG	IS	nt Study
							Independent screenings of 25			
							films chosen by the student to			
							comprise an integrated program			
							of historical/theoretical focus.			
							Screenings to be accompanied			
							by the reading of appropriate			
			Independent		Motion		analytical commentary under the			Independe
Fall 2007	MP490	490	Screening	MP	Picture	3	direction of faculty member.	UG	IS	nt Study
							Independent Study in Film			
							History, Theory, Criticism, and			
							Practice			
			Ind Study Film		Motion		Independent work to culminate			Independe
Fall 2007	MP499	499	Hstry,Thry,Crit	MP	Picture	1	in thesis and/or film.	UG	IS	nt Study
			Writing in MP		Motion					
Fall 2007	MP499W	499W	499	MP	Picture	0		UG	LB	Lab
			Studies in Film		Motion		Intensive study of a selected			
Fall 2007	MP531	531	History	MP	Picture	3	area of film history. Titles vary.	GR	LE	Lecture
							Intensive study of a film genre			
							(e.g., the western, the musical,			
			Studies in Film		Motion		and the gangster film). Titles			
Fall 2007	MP533	533	Genre	MP	Picture	3	vary.	GR	LE	Lecture

							Intensive examination of a			
			Studies in Film		Motion		selected area of film criticsm.			
Fall 2007	MP635	635	Criticism	MP	Picture	3	Titles vary.	GR	LE	Lecture
							Discusses statistical methods			
							used in analysis of business			
							problems, including theory and			
							application of frequency			
							distributions, measures of central			
							tendency and variability,			
							probability distributions,			
			Intro to		Managem		expectation, sampling and			
			Business		ent		estimation, and one-sample			
Fall 2007	MS204	204	Statistics	MS	Science	4	hypothesis testing.	UG	LE	Lecture
							A course designed to introduce			
			Quantitative		Managem		students to the study of			
			Business		ent		additional probabilistic models			
Fall 2007	MS205	205	Modeling	MS	Science	4	and also to some basic	UG	LE	Lecture
							Discusses the major			
							management decision areas in			
							the design and production of			
							goods and services. Major topics			
							include strategic issues,			
							forecasting, inventory			
			Intro to		Managem		management, planning and			
			Operations		ent		control systems, quality			
Fall 2007	MS307	307	Management	MS	Science	4	management, and project	UG	LE	Lecture
							Explores the fundamentals of			
							supply chain management,			
							including the strategic role of the			
							supply chain, keydrivers of			
							supply chain performance, and			
			Basics of		Managem		analytical tools and techniques			
			Supply Chain		ent		for supply chain analysis. Cases			
Fall 2007	MS320	320	Mgmt	MS	Science	4	and in-class exercises.	UG	LE	Lecture

						Introduction to simulation			
						techniques as applied to			
						·			
						operations management. Topics			
						include basic concepts,			
						applications, and technical			
						problems associated with use of			
			Systems		Managem	systems simulation. Design,			
			Simulation		ent	operation and output analysis of			
Fall 2007	MS322	322	Operations	MS	Science	4 computer models emphasized.	UG	LE	Lecture
						Management of services is			
						different from manufacturing.			
						Course objectives include			
						develop and manage service			
						package, identify and measure			
						service quality, prepare a			
					Managem	blueprint for a service operation,			
			Managing the		ent	and understand service supply			
Fall 2007	MS324	324	Service Sector	MS	Science	4 chain management.	UG	LE	Lecture
						Quality is defined, and the			
						various systems that are used for			
						achieving quality products and			
						services are evaluated.			
						Philosophies of quality,			
					Managem	quantitative tools for			
			Quality		ent	implementation, ISO 9000 and			
Fall 2007	MS330	330	Management	MS	Science	4 the Baldridge Award are	UG	LE	Lecture
						Explores fundamentals of			
						forecasting and order quantity			
						calculation for both independent			
						and dependent demand, and			
						then the usage of that			
					Managem	information to schedule			
			Operations		ent	production of those items in			
Fall 2007	MS333	333	Planning	MS	Science	4 typical manufacturing	UG	LE	Lecture
. 311 2007		000	ı. ıaııg	0	20101100	. Topical manaractaring			200141.0

F. II 2007	Mega	22.4	Global Supply Chain	MG	Managem ent	The objective of this course is to provide students with an understanding of how managers can develop and use the operations function of a business in order to enhance global			
Fall 2007	MS334	334	Management	MS	Science Managem	4 competition.	UG	LE	Lecture
			Just-In-Time		ent				
Fall 2007	MS428	428	Production Sys	MS	Science	3	UG	LE	Lecture
			Strategic Mgmt of		Managem ent	A strategic perspective for operations is developed, providing a linkage with marketing and other functions. Product profiling is introduced for testing the fit between market characteristics and the			
Fall 2007	MS460	460	Operations	MS	Science	4 company's operations processes	UG	LE	Lecture
Fall 2007	MS460W	460W	Writing in MS 460	MS	Managem ent Science	Required writing component for 0 MS 460.	UG	LB	Lab
F-II 2007	N.C. 4.7.7	477	Special Station MS	NAC.	Managem ent			16	Independe
Fall 2007	MS477	477	Studies in MS	MS	Science	1 Topics vary.	UG	IS	nt Study
Fall 2007	MS478	478	Hon:Independ ent Study in MS	MS	Managem ent Science	Research in management science for fulfillment -of the Honors 2 program project requirement.	UG	IS	Independe nt Study
1 all 2007	IVI3410	470		IVIO	Managem	480-A Operations Management; 480-B Statistical Methods; 480-C Quality Management; 480-D Operations Research. Reading and research into selected topics in the area of Management Science, such as: modeling,	UU	13	in Study
Fall 2007	MS480	480	Special Topics in MS	MS	ent Science	simulation, algorithm 4 development.	UG	LE	Lecture
rali 2007	IVI548U	48U	III IVIS	IVIO	Science	4 uevelopment.	UG	LE	Lecture

Fall 2007	MS481	481	Internship in Management Sci	MS	Managem ent Science	Faculty-supervised internship in management science. Students work in a firm or public agency, participate in seminars, and submit reports for completion of 1 the course.	UG	IN	Internship
			Oper Mgmt Project Mgt &		Managem ent	Introduce concept, practice, and the importance of project management. Students work in teams to gain practical experience in analyzing, designing, implementing, evaluating, and development of operations management for businesses and non-profit			
Fall 2007	MS495	495	Dev	MS	Science	4 organizations.	UG	LE	Lecture
			Global Supply Chain		Managem ent	Managers must think, plan, and act with reference to international customers, suppliers, competitors, and partners. To design better products and deliver them at lower cost than their			
Fall 2007	MS700	700	Management	MS	Science	4 competitors, strategic managers	GR	LE	Lecture
			Demand Mgmt in Supply		Managem ent	Explores the inter-dependency of information flow and material flow in goods-producing environments. Topics include forecasting, order quantity calculation for both independent and dependent demand, and production planning, scheduling,			
Fall 2007	MS732	732	Chain	MS	Science	4 and distribution through the	GR	LE	Lecture

Fall 2007	MS755	755	Quality Management	MS	Managem ent Science	Concepts, objectives and applications of quality management with emphasis on continuous improvement in business organization. Includes application of statistical process control techniques.	GR	LE	Lecture
raii 2007	IVIS700	755	Management	IVIS	Science	Seminar on one of the areas of	GK	LC	Lecture
Fall 2007	MS770	770	Selected Topics in MS	MS	Managem ent Science	management science (i.e., operations research, statistical analysis, and logistics). Topics vary.	GR	LE	Lecture
- un 2307	me, , , e	.,,	World Class		Managem ent	A strategic perspective for operations is developed, providing a linkage with marketing and other functions. Product profiling is introduced for testing the fit between market characteristics and the			200tur o
Fall 2007	MS771	771	Strategies	MS	Science		GR	LE	Lecture
			Internship in Management		Managem ent				
Fall 2007	MS780	780	Sci	MS	Science	2	GR	IN	Internship
			Special		Managem ent	Intensive reading or research in a selected field of management science. Individualized			
Fall 2007	MS781	781	Studies in MS	MS	Science	1 instruction with varying topics.	GR	LE	Lecture
			Adv Supply		Managem	Explores advanced topics of supply chain management, including the strategic role of the supply chain, key drivers of supply chain performance, and analytical tools and techniques			
			Chain		ent	for supply chain analysis. Cases			
Fall 2007	MS786	786	Management	MS	Science	4 and in-class exercises.	GR	LE	Lecture

Fall 2007	MS788	788	Basics Supply Chain Management	MS	Managem ent Science	Explores the fundamentals of supply chain management, including the strategic role of the supply chain, key drivers of supply chain performance, and analytical tools and techniques 4 for supply chain analysis.	GR	LE	Lecture
			g		Managem				
			Continuing		ent				
Fall 2007	MS789	789	Registration	MS	Science	1	GR	LE	Lecture
			Demand Mgt		Managem ent	Forecasting has consistently been a critical organizational capability for both strategic and tactical business planning. The role of forecasting has become important as competitive market pressures create the need for			
Fall 2007	MS790	790	& Forecasting	MS	Science	4 improved forecast accuracy.	GR	LE	Lecture
			Benchmarking & Perform		Managem ent	This course focuses on the selection, use and evaluation of appropriate metrics for supply chain performance; the use of the benchmarking process; and the use of the Baldridge Criteria			
Fall 2007	MS791	791	Metrics	MS	Science	4 for organizational assessment.	GR	LE	Lecture
						The course studies models that explore the key issues associated with the design and management of supply networks. Special attention will be given to			
			Supply Chain		Managem	integration of supply chain			
E-II 0007	146706	700	Network	N 4 C	ent	decisions and consequential	CD.		1 4
Fall 2007	MS792	792	Design	MS	Science	4 difficulties.	GR	LE	Lecture

						Explores the fundamentals of	
						inventory management, including	
						continuous replenishment,	
						ordering policies, measuring	
					Managem	global and chain inventory,	
			Supply Chain		ent	inventory positioning within the	
Fall 2007	MS793	793	Operations	MS	Science	4 chain, and risk pooling. GR LE Lectu	ire
un 2007	1110770	770	Operations		00101100	Focuses on topics which support	
						the development of lean supply	
						chains within the organization.	
						Topics include value stream	
						mapping of processes, Kaizen	
			Lean Supply		Managem	approach to continuous	
			Chain		ent	improvement, and use of quality	
Fall 2007	MS794	794	Management	MS	Science	4 tools for process evaluation. GR LE Lectu	re
			3			IT & SC focuses on managing	
						material and information outside	
						the factory walls including	
						aspects of product design	
						collaboration, demand planning	
						and forecasting, inventory	
					Managem	deployment, distribution design	
			Info Tech &		ent	system, channel management,	
Fall 2007	MS795	795	Supply Chain	MS	Science	4 procurement, and logistics. GR LE Lectu	re
			11.3			Course covers current issues of	
						strategic sourcing within	
						organizations. Begins by	
					Managem	underscoring the differences	
			Strategic		ent	between tactical versus strategic	
Fall 2007	MS796	796	Sourcing	MS	Science	4 sourcing. GR LE Lectu	re
						This course covers important	
						issues relating to global supply	
						chain management and	
						coordinating production plans	
			Glbl Supp		Managem	across the world. Key issues of	
			Chain Mgt		ent	global operations and SCM will	
Fall 2007	MS797	797	Strategies	MS	Science	4 be addressed. GR LE Lectu	re

Fall 2007	MS798	798	Supply Chain Collaboration	MS	Managem ent Science	Course addresses issues of managing entities of the supply chain for efficient information flow and collaborative decision making. Includes crossenterprizes collaborations, technology structure, intraenterprise collaboration, and building collaborative supply	GR	LE	Lecture
Fall 2007	MS799	799	SCM Project	MS	Managem ent Science	The SCM project will be designed individually by the student and supervised by a faculty member. The project will examine issue areas in supply chain management.	I	LE	Lecture
Fall 2007	MTE640	640	History of Mathematics	MTE	Mathemat ics Teacher Education	3	GR	LE	Lecture
			Prob/Stat- Middle Schl		Mathemat ics Teacher	Probability and statistical methods applied to real problems. Scientific method of investigation. Data collection, organization, display, and analysis. Sampling distributions and probability. Introductions to statistical inference. Use of			Lecture/La b Combinatio
Fall 2007	MTE642	642	Tchrs	MTE	Education	4 appropriate software and Polynomial, exponential, logarithmic, rational, and trigonometric functions will be studied from a perspective appropriate for a teacher.	GR	LL	n
Fall 2007	MTE643	643	Alg & Fcns- Middle Schl Tchrs	MTE	ics Teacher Education	Computing, programming, graphing, and data collection technology will be used.	GR	LE	Lecture

							A framewrok and useful			
							heuristics for solving problems.			
					Mathemat		Visual thinking and reasoning,			
			Prob Solv-		ics		metacognition, problem-solving			
			Middle Schl		Teacher		logs and summaries, problem			
Fall 2007	MTE644	644	Tchrs	MTE	Education	4	solving individually and in	GR	LE	Lecture
							Axioms, finite geometries, non-			
					Mathemat		metric and metric lengths,			Lecture/La
			Geometry-		ics		angles, area, volume, polygonal			b
			Middle School		Teacher		figures, elementary curves,. 3			Combinatio
Fall 2007	MTE645	645	Teacher	MTE	Education	4	hours lecture, 1 hour lab.	GR	LL	n
							An introduction to mathematical			
							modeling, with modeling real			
							world problems individually and			
							in groups. Working with the			
					Mathemat		steps involved in modeling a real-	-		
			Mth Modeling-		ics		life situation and understanding			
			Middle Schl		Teacher		how modeling differs from simple	:		
Fall 2007	MTE646	646	Tchrs	MTE	Education	4	problem solving.	GR	LE	Lecture
							An exploration and study			
							designed to provide conceptual			
							understanding of differentiation			
					Mathemat		and integration with examples of			Lecture/La
			Calculus-		ics		their diverse applications and			b
			Middle School		Teacher		their connections to algebra and			Combinatio
Fall 2007	MTE648	648	Teacher	MTE	Education	4	geometry.	GR	LL	n
					Mathemat		Selected topics from the			
			Ind Rdg		ics		research literature on a			
			Math/Stat		Teacher		particular topic in mathematics			Independe
Fall 2007	MTE688	688	Education	MTE	Education	1	and statistics education.	GR	IS	nt Study
							Reading and discussion of			
					Mathemat		current trends and research in			
			Seminar in		ics		mathematics and statistics			
			Math/Stat		Teacher		education with applications to			
Fall 2007	MTE692	692	Education	MTE	Education	1	Pre K-14 mathematics	GR	SE	Seminar

					Mathemat				
			Sel Topics-		ics				
			Math/Stat		Teacher	Selected topics pertinent to Pre K			Independe
Fall 2007	MTE699	699	Education	MTE	Education	1 - 14 mathematics educators.	GR	IS	nt Study
						For students with little or no			
						recent experience with topics			
						beyond elementary algebra.			
						Topics include factoring,			
						algebraic fractions, linear			
						equations and word problems,			
						equations involving fractions,			
						laws of exponents, radicals and			
						principal roots, quadratic			
						equations, equations involving			
						radicals or exponents, and line			
						graphs. Topics covered are the			
			Intermediate		Mathemat	same as in MTH 127, but involve			
Fall 2007	MTH126	126	Algebra	MTH	ics	5 more practice of necessary skills.	UG	LE	Lecture
						Best suited for students who			
						have recent experience with			
						intermediate algebra, but require	:		
			Accelerated			a review. Topics covered are the			
			Intermed		Mathemat	same as in MTH 126, but the			
Fall 2007	MTH127	127	Algebra	MTH	ics	3 pace is much faster.	UG	LE	Lecture
						Best suited for students having			
						little recent experience with			
						topics beyond intermediate			
						algebra or whose mastery of			
						intermediate algebra is less than			
						perfect. Topics covered are the			
						same as in MTH 129 but are			
						accompanied by more practice of			
						necessary skills. In addition,			
						skills learned in intermediate			
						algebra are reinforced and			
			College		Mathemat	clarified in the context of these			
Fall 2007	MTH128	128	Algebra	MTH	ics	5 more advanced topics.	UG	LE	Lecture

						Best suited for students having little recent experience with topics beyond intermediate algebra or whose mastery of intermediate algebra is less than perfect. Topics covered are the same as in MTH 129 but are			
						accompanied by more practice of necessary skills. In addition,			
						skills learned in intermediate			
			Accelerated			algebra are reinforced and			
			College		Mathemat	clarified in the context of these			
Fall 2007	MTH129	129	Algebra	MTH	ics	3 more advanced topics.	UG	LE	Lecture
						Functions and graphs,			
						polynomial and rational			
						functions, conics, systems of			
						equations, exponential and			
					Mathemat	logarithmic functions, geometric			
Fall 2007	MTH130	130	Precalculus	MTH	ics	5 series, binomial theorem.	UG	LE	Lecture
						Trigonometric and inverse			
						trigonometric functions. Not for			
					Mathemat	credit to students with credit for			
Fall 2007	MTH131	131	Trigonometry	MTH	ics	3 MTH 134.	UG	LE	Lecture
						Combines the material of MTH			
						130 and 131 into a single course.			
			0 - 11			Topics covered are the same as			
			College		Mathanas	in those two courses. Not for			
F-II 0007	NATURA O A	104	Algebra II &	NATI I	Mathemat	credit to students with credit for			Lastona
Fall 2007	MTH134	134	Trig	MTH	ics	5 MTH 130 and/or MTH 131.	UG	LE	Lecture

							Discovery of fundamental			
							concepts and skills of			
							•			
							quantitative reasoning by			
							exploring real-world data from			
							many disciplines. Data collection,			
							organization, display, analysis,			
							probability simulation, variation			
							and sampling, and expected			
			Quantitative		Mathemat		values. Students work with			
Fall 2007	MTH143	143	Reasoning	MTH	ics	4	appropriate software and	UG	LE	Lecture
							An application of mathematics to			
							modeling real world problems			
							from the behavioral,			
							computational, managerial, and			
							social sciences. Includes such			
							topics as graph theory, linear			
							programming, probability,			
							descriptive and inferential			
							statistics, voting systems, game			
			Mathematics &				theory, population growth,			
			The Modern		Mathemat		computer algorithms, and codes			
Fall 2007	MTH145	145	World	MTH	ics	4	and data storage.	UG	LE	Lecture
		1.0	TTOTIC		100	•	This course and MTH 300 cover			200141.0
							the material of MTH 229, 230,			
			Accelerated		Mathemat		and 231 at an accelerated pace.			
Fall 2007	MTH200	200		MTH	ics	3	Graded pass/unsatisfactory.	UG	LE	Lecture
an 2007	WITTEOO	200	Odiculus I	101111	103		Functions, rates of change,	00		Lecture
							limits, derivatives of algebraic			
							functions, applications including			
							maxima and minima, exponential			
							and logarithmic functions, and			
							<u> </u>			
							indefinite and definite integrals			
			Cala for Mat		Mathamat		with applications. Not for credit			
F-II 2007	MTHOOO	220	Calc for Mgt	NATI I	Mathemat	_	to students with credit for MTH			Lastini
Fall 2007	MTH228	228	Life & Soc Sci	MTH	ics	5	229 and 230	UG	LE	Lecture

						Conic sections, functions, limits,			
						continuity, the derivative,			Lecture/La
						derivatives of algebraic and			b
					Mathemat	trigonometric functions, and			Combinatio
Fall 2007	MTH229	229	Calculus I	MTH	ics	5 applications of the derivative.	UG	LL	n
						Definite integral, antiderivatives,			
						fundamental theorem of			
						calculus. Derivatives of			
						logarithmic, exponential, and			
						inverse trigonometric functions.			Lecture/La
						L'Hoital's rule. Integration			b
					Mathemat	techniques. Applications of the			Combinatio
Fall 2007	MTH230	230	Calculus II	MTH	ics	5 definite integral.	UG	LL	n
						Applications of the definite			
						integral, polar coordinates, and			Lecture/La
						parametric equations. Infinite			b
					Mathemat	series, power series, and vector			Combinatio
Fall 2007	MTH231	231	Calculus III	MTH	ics	5 algebra in the plane and space.	UG	LL	n
						Partial derivatives and definite			
						integrals in the plane and space.			
						Vector functions and their			
						derivatives, motion in space,			
						vector fields, line and surface			
						integrals, Green's theorem,			
					Mathemat	divergence theorem, and Stoke's			
Fall 2007	MTH232	232	Calculus IV	MTH	ics	5 theorem.	UG	LE	Lecture
						Elementary first order equations,			
						linear equations, linear systems,			
						series solutions, Laplace			
						transform, and applications.			
			Differential		Mathemat	Uniqueness and existence			
Fall 2007	MTH233	233	Equations	MTH	ics	5 theorems for solutions.	UG	LE	Lecture

						1 1 1 1 1 1 1 1 1 1	T		
						Introduction to differential			
						equations with matrix theory.			
						Topics include separable			
						equations, first order equations,			
						matrices, vector spaces, second			
						order linear equations,			
						undetermined coefficents, forced			
						oscillations, eigenvalues, matrix			
			Diff Eq with		Mathemat	diagonalization, systems of linear			
Fall 2007	MTH235	235	Matrices	MTH	ics	5 equations, Laplace transforms.	UG	LE	Lecture
						Overview of mathematical topics			
						from a perspective appropriate			
						for early and middle childhood			
						educators. Covers sets,			
						functions, prenumeration and			
						numeration concepts, properties			Lecture/La
			Fundamental			of whole numbers, integers, and			b
			Math Concepts		Mathemat	rational numbers. Three hours			Combinatio
Fall 2007	MTH243	243	I	MTH	ics	4 lecture, one hour lab.	UG	LL	n
						Overview of mathematical topics			
						from a perspective appropriate			
						for early and middle childhood			
						educators. Covers irrational			
						numbers, proportions,			
						introductory geometry,			
						construction, congruence and			Lecture/La
			Fundamental			similarity, and concepts of			b
			Math Concepts		Mathemat	measurement. Three hours			Combinatio
Fall 2007	MTH244	244	П	MTH	ics	4 lecture, one hour lab.	UG	LL	n
						Elementary course in matrix			
						theory covering matrices, linear			
						equations, determinants, linear			
			Elementary		Mathemat	transformations, eigenvalues,			
Fall 2007	MTH253	253	Matrix Algebra	MTH	ics	3 and eigenvectors.	UG	LE	Lecture

						In-depth introduction to the			
						basic concepts of linear algebra			
						in real Euclidean n-space. Topics			
						include Gaussian elimination,			
						algebra of matrices,			
						determinants, geometry of			
						Euclidean space, subspaces,			
					Mathemat	linear independence, basis,			
Fall 2007	MTH255	255	Linear Algebra	МТН	ics	3 dimension and rank, and the	UG	LE	Lecture
1 dii 2007	WITTIZOO	233	Linear Aigebra	101111	103	Discrete mathematics useful in	00	LL	Locture
						computing. Emphasis on			
						mathematical induction,			
						recurrence relations, asymptotic			
			Discrete Math		Mathemat	behavior of functions, and			
Fall 2007	MTH257	257	for Computing	МТН	ics	3 algorithm analysis.	UG	LE	Lecture
1 411 2007	WITTIZST	237	Tor compating	IVIIII	103	Basic notions of logic and	00		Lecture
						techniques used in mathematical			
						proof. Students gain experience			
						in constructing proofs as they			
						study basic notions from sets,			
			Intro to			relations, functions, algebraic			
			Mathematics		Mathemat	structures, and the properties of			
Fall 2007	MTH280	280	Proof	MTH	ics	3 real numbers.	UG	LE	Lecture
1 411 2007	MTH280	200	Writing in		Mathemat	Required writing component for			2001410
Fall 2007	W	280W	Math 280	MTH	ics	0 MTH 280.	UG	LB	Lab
						Explores four aspects of writing			
						in mathematics: expository			
						writing, explaining mathematical			
						ideas; formal writing, making			
						proofs intelligible; writing as a			
						learning tool, clarifying ideas by			
			Writing in		Mathemat	putting them on paper; and			
Fall 2007	MTH290	290	Mathematics	MTH	ics	3 informal writing.	UG	LE	Lecture
			Accelerated		Mathemat	Continuation of MTH 200.			
Fall 2007	MTH300	300	Calculus II	MTH	ics	3 Graded pass/unsatisfactory.	UG	LE	Lecture

						Examples of systems of			
						differential equations, complex and repeated eigenvalues,			
						solutions of systems, matrix			
						exponential, qualitative behavior			
						of first order equations, planar			
						systems and stability, almost			
			Differential		Mathemat	linear systems, and energy			
Fall 2007	MTH303	303	Equations II	MTH	ics	3 method.	UG	LE	Lecture
1 411 2007	William		Equations 11	100000	100	Topics may include ordinary			2001010
						differential equations, linear			
						algebra, orthogonality, Fourier			
						series and integrals,			
			Advanced Egr		Mathemat	multivariable calculus, and partial			
Fall 2007	MTH304	304	Math I	MTH	ics	3 differential equations.	UG	LE	Lecture
						Topics may include multivariable			
						calculus, partial differential			
						equations, numerical methods,			
						linear algebra, complex			
					Mathemat	variables, conformal mapping,			
Fall 2007	MTH304	304	Adv Egr Mth II	MTH	ics	3 calculus of variations and	UG	LE	Lecture
						Topics may include multivariable			
						calculus, partial differential			
						equations, numerical methods,			
						linear algebra, complex			
			Advanced EGR	!	Mathemat	variables, conformal mapping,			
Fall 2007	MTH305	305	Math II	MTH	ics	3 calculus of variations, and	UG	LE	Lecture
						Structure and properties of			
						mathematical models. Size			
						effects, dimensional analysis,			
						graphical methods, comparative			
						statistics, stability, optimization			
			Mathematical		Mathemat	techniques, probabilistic models,			
Fall 2007	MTH306	306	Modeling	MTH	ics	3 and Monte Carlo simulation.	UG	LE	Lecture
			Issues in		Mathemat	A writing-intensive course			
Fall 2007	MTH310	310	Science	MTH	ics	3 dealing with issues in science.	UG	LE	Lecture

							Solving scientific problems using			
							computational software			
			Intro To				packages MATLAB and			
			Mathematical		Mathemat		MATHEMATICA, including			
Fall 2007	MTH314	314	Software	MTH	ics	3	procedural and functional	UG	LE	Lecture
							Introduction to numerical			
							methods used in the sciences.			
							Methods of interpolation, data			
							smoothing, functional			
							approximation, integration,			
							solutions of systems of			Lecture/La
			Nmrcl				equations, and solutions of			b
			Methods Dig		Mathemat		ordinary differential equations.			Combinatio
Fall 2007	MTH316	316	Comp I	MTH	ics	4	Three hours lecture, two hours	UG	LL	n
							Introduction to numerical			
							methods used in the sciences.			
							Methods of interpolation, data			
							smoothing, functional			
							approximation, integration,			
							solutions of systems of			Lecture/La
			Nmrcl				equations, and solutions of			b
			Methods Dig		Mathemat		ordinary differential equations.			Combinatio
Fall 2007	MTH317	317	Comp II	MTH	ics	4	Three hours lecture, two hours	UG	LL	n
							Topics discussed include power			
							series expansion, the formula of			
							Cauchy, residues, conformal			
			Complex		Mathemat		mappings, and elementary			
Fall 2007	MTH332	332	Variable	MTH	ics	3	functions in the complex domain.	UG	LE	Lecture
							Partial differential equations,			
			Prtl Dffrntl				boundary value problems, and			
			Equa Bndry		Mathemat		eigenfunctions. Fourier series,			
Fall 2007	MTH333	333	Prob	MTH	ics	3	applications.	UG	LE	Lecture

		T	1					1	
						Polynomial, exponential,			
						logarithmic, rational, and			
						trigonometric functions will be			
						studied from a perspective			
						appropriate for a teacher.			
			Alg & Func-			Computing, programming,			
			Middle Schl		Mathemat	graphing, and data collection			
Fall 2007	MTH343	343	Tchrs	MTH	ics	4 technology will be used.	UG	LE	Lecture
						A framework and useful			
						heuristics for solving problems.			
						Visual thinking and reasoning,			
			Prob Solving-			metacognition, problem-solving			
			Middle Schl		Mathemat	logs and summaries, problem			
Fall 2007	MTH344	344	Tchrs	MTH	ics	4 solving individually and in	UG	LE	Lecture
						Axioms, finite geometries,			Lecture/La
			Geometry-			nonmetric and metric lengths,			b
			Middle Schl		Mathemat	angles, area, volume, polygonal			Combinatio
Fall 2007	MTH345	345	Teachers	MTH	ics	4 figures, and elementary curves.	UG	LL	n
						An exploration and study			
						designed to provide a conceptua			
						understanding of differentiation			
						and integration with examples o	:		Lecture/La
			Concepts-Calc-			their diverse applications and			b
			Mid School		Mathemat	their connections to algebra and			Combinatio
Fall 2007	MTH348	348	Tchrs	MTH	ics	4 geometry.	UG	LL	n
						Covers vector spaces and			
						subspaces, basis and dimension,			
						linear transformations and			
						matrices, eigenvalues and			
			Advanced		Mathemat	eigenvectors, and inner product			
Fall 2007	MTH355	355	Linear Algebra	MTH	ics	3 spaces.	UG	LE	Lecture
						Divisibility properties of integers			
						prime numbers, congruences,			
						the Chinese remainder theorem,			
						quadratic reciprocity law. Mobius			
			Elementary			inversion formula, Euler f-			
			Number		Mathemat	function, other number-theoretic			
Fall 2007	MTH381	381	Theory	MTH	ics	3 functions.	UG	LE	Lecture

Fall 2007	MTH399	399	Selected Topics	MTH	Mathemat ics	Selected topics in mathematics. May be taken for letter grade or pass/unsatisfactory.	UG	IS	Independe nt Study
Fall 2007	MTH407	407	Optimization Techniques	MTH	Mathemat ics	Concepts of minima and maxima. Linear programming: simplex method, sensitivity, and quality. Transportation and assignment problems. Dynamic	UG	LE	Lecture
			Theoretical Fndtns-		Mathemat	Turing machines, 5-recursive functions, equivalence of computing paradigms, Church-Turing thesis, undecidability, and			
Fall 2007	MTH410	410	Computing	MTH	ics	4 intractability. In a hands-on multidisciplinary	UG	LE	Lecture
			Intro - Scientific		Mathemat	setting, the student will use modern computational techniques for simulating scientific phenomena, running			
Fall 2007	MTH415	415	Computation	MTH	ics	4 and modifying existing programs.	UG	LE	Lecture
			Matrix		Mathemat	Survey of numerical methods in linear algebra, emphasizing practice with high-level computer tools. Topics include Gaussian elimination, LU decomposition, numerical eigenvalue problems, QR factorization, least squares, singular value decompositions,			
Fall 2007	MTH416	416	Cryptography & Data	МТН	ics Mathemat	Introduction to the mathematical principles of data security. Various developments in cryptography will be discussed, including public-key encryption, digital signatures, the data encryption standard (DES), and	UG	LE	Lecture
Fall 2007	MTH419	419	Security	MTH	ics	3 key safeguarding schemes.	UG	LE	Lecture

						Listed jointly with Department of			
						Philosophy; see PHL 423. Treats			
						logis as an object rather than a			
						subject. Contains extensions to			
						higher order logic, but mainly			
			Advanced		Mathemat	emphasizes the use of logic and			
Fall 2007	MTH423	423	Logic	MTH	ics	3 the limitations of logical systems. L	IG	LE	Lecture
1 411 2007	WITTIZO	120	Logic	141111	103	Functions, sequences, limits,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Lociaro
						continuity, differentiability,			
			Real Variables		Mathemat	integration, and mean-value			
Fall 2007	MTH431	431	I	MTH	ics	•	JG	LE	Lecture
2007			-			Infinite series, uniform			200100
						convergence. Taylor series,			
			Real Variables		Mathemat	improper integrals, special			
Fall 2007	MTH432	432	П	MTH	ics		JG	LE	Lecture
			Real Variables		Mathemat	Theory of functions of several			
Fall 2007	MTH433	433	Ш	MTH	ics	3 variables, vector-valued	JG	LE	Lecture
						Complex arithmetic,			
						differentiation (analytic			
						functions, the Cauchy-Riemann			
						equations), elementary functions			
						and their mapping properties,			
						integration (Cauchy s theorem,			
			Intro to			Cauchy integral formula), Taylor			
			Complex		Mathemat	and Laurent series, poles,			
Fall 2007	MTH434	434	Analysis	MTH	ics	•	JG	LE	Lecture
						Development of calculus from			
						antiquity through Newton,			
						Leibnitz, development of classical			
						analysis; the rise of abstraction;			
			History of		Mathemat	set theory, algebra, and			
Fall 2007	MTH440	440	Mathematics	MTH	ics	3 topology; modern analysis.	JG	LE	Lecture
	MTH440		Writing in		Mathemat				
Fall 2007	W	440W	Math	MTH	ics	0 0	JG	LB	Lab

						A - introduction to mode on atical			
						An introduction to mathematical			
						modeling by modeling real world			
						problems individually and in			
						groups. Focuses on working with			
						the steps involved in modeling a			
						real-life situation and			
						understanding how modeling			
			Mthmtcl Mdlng		Mathemat	differs from simple problem			
Fall 2007	MTH446	446	Mid Schl Tchrs	MTH	ics	4 solving.	UG	LE	Lecture
						Introduction to several abstract			
						algebraic structures and their			
						models that are used in			
			Discrete			computer science. Examples			
			Algebraic		Mathemat	include semigroups and finite-			
Fall 2007	MTH450	450	Structures	MTH	ics	3 state machines, and groups and	UG	LE	Lecture
			Intro to			Introduction to abstract algebraic			
			Modern		Mathemat	structures including groups,			
Fall 2007	MTH451	451	Algebra I	MTH	ics	3 rings, integral domains, and	UG	LE	Lecture
			Intro to			Introduction to abstract algebraic			
			Modern		Mathemat	structures including groups,			
Fall 2007	MTH452	452	Algebra II	MTH	ics	3 rings, integral domains, and	UG	LE	Lecture
						Examines the essentials of error-			
						correcting codes and the study			
						of methods for efficient and			
						accurate transfer of information.			
						Topics to be covered include			
						basic concepts, perfect and			
					Mathemat	related codes, cyclic codes, and			
Fall 2007	MTH456	456	Codin Theory	MTH	ics	3 BCH codes.	UG	LE	Lecture
						Topics are permutations,			
						combinatorics, generating			
					Mathemat	functions, recurrence relations,			
Fall 2007	MTH457	457	Combinatorics	MTH	ics	3 and Polya's theory of counting.	UG	LE	Lecture

Fall 2007	MTHAFO	450	Applied Graph	NATLI	Mathemat		Introduction to methods, results, and algorithms of graph theory. Emphasis on graphs as mathematical models applicable to organizational and industrial	UG		Leatura
Fall 2007	MTH458	458	Theory	MTH	ics		situations. Introduction to some of the	UG	LE	Lecture
							mathematical tools needed for			
							an understanding of computer			
							programming. The topics			
							covered are summations,			
			Combinatorial				elementary number theory,			
			Tools-Comp		Mathemat		combinatorial identities,			
Fall 2007	MTH459	459	Sci	MTH	ics		generating functions, and	UG	LE	Lecture
							Topics in foundations of			
					Mathemat		Euclidean geometry, introduction			
Fall 2007	MTH471	471	Geometry	MTH	ics	3	to non-Euclidean and other	UG	LE	Lecture
							Projective and affine planes and			
							spaces, change of coordinates,			
			Projective		Mathemat		projective transformations, and			
Fall 2007	MTH472	472	Geometry	MTH	ics		conics.	UG	LE	Lecture
1							Calculus on Euclidean space			
							frame fields, calculus on a			
							surface, shape operators, and			
			Differential		Mathemat		geometry of surfaces in			
Fall 2007	MTH475	475	Geometry	MTH	ics		Euclidean three space.	UG	LE	Lecture
1							Contents: raster graphics			
							algorithms, geometric primitives			
							and their attributes, clipping,			
							antialiasing, geometric			
							transformations, structures and			
							hierarchical modes, input			
							devices, and interactive			
							techniques. Students develop			
Ì							interrelated programs to design,			
E !! 0007	NATILAT:	47.	Computer		Mathemat		manipulate, and view a three-			
Fall 2007	MTH476	476	Graphics I	MTH	ics	4	dimensional hierarchical model.	UG	LE	Lecture

Fall 2007 MTH480 480 Mthds Appl Math: Graphics II MTH ics 4 a final project. UG LE Lectu Mthds Appl Math: Geomtrc MTH ics 3 Solution methods for ordinary differential equations commonly arising in physics and engineering. Systems of equations, stability theory, Liapunov's methods, autonomous systems, existence 3 and uniqueness of solutions, UG LE Lectu Use of integral requations. Fourier series, Fourier and Laplace transforms, distributions, integral equations, Greens functions, Sturm-Liouville theory, perturbation methods and asymptotics, orthogonal UG LE Lectu Independent Fall 2007 MTH488 488 Reading MTH ics 1 Topics vary. UG Standard Independent Reading MTH ics 1 Topics vary. UG Is not Stu				Computer		Mathemat	Continuation of MTH 476. Covers surface rendering, hidden line and surface removal, illumination models, texture mapping, color models, geometric modeling, and graphical interface design. Students develop programs and			
Fall 2007 MTH480 480 Math:Geomtrc Mthds MTH ics 3 Solution methods for ordinary differential equations commonly arising in physics and engineering. Systems of equations, stability theory, Liapunov's methods, autonomous systems, existence Liapunov's methods, autonomous systems, existence Solutions, autonomous systems, existence UG LE Lecture Lecture Lecture Liapunov's methods, autonomous systems existence UG LE Lecture Lecture Lecture Liapunov's methods, autonomous systems existence UG LE Lecture Lecture Lecture Liapunov's methods, autonomous systems, existence UG LE Lecture Lecture Liapunov's methods, autonomous systems existence UG LE Lecture Liapunov's methods, autonomous systems, existence UG LE Lecture Liapunov's methods, autonomous systems, existence UG LE Lecture Liapunov's methods, autonomous systems, existence UG LE Lecture Liapunov's methods, autonomous systems, existence UG LE Lecture Liapunov's methods, autonomous systems, existence UG LE Lecture Liapunov's methods, autonomous systems, existence UG LE Lecture Liapunov's methods, autonomous systems, existence UG LE Lecture Liapunov's methods, autonomous systems, existence UG LE Lecture Liapunov's methods, autonomous systems, existence UG LE Lecture Liapunov's methods, autonomous systems, existence UG LE Lecture Liapunov's methods, autonomous systems, existence UG LE Lecture Liapunov's methods, autonomous systems, existence UG LE Lecture Liapunov's methods, autonomous systems, existence UG LE Lecture Liapunov's methods, autonomous systems, existence UG LE Lecture Liapunov's methods, autonomous systems, existence UG LE Lecture Liapunov's methods, autonomous systems, existence UG LE Lecture Liapunov's methods, autonomous systems, existence UG LE Lecture Liapunov's methods, autonomous systems, existence UG LE Lecture Liapunov's methods, autonomous systems, existence UG LE Lecture Liapunov's methods, autonomous systems, existence	Fall 2007	MTH477	477	Graphics II	MTH	ics		UG	LE	Lecture
Solution methods for ordinary differential equations commonly arising in physics and engineering. Systems of equations, stability theory, Liapunov's methods, autonomous systems, existence autonomous systems, existence autonomous systems, existence of equations, stability theory, Liapunov's methods, autonomous systems, existence autonomous systems, existence of equations, solution, use of integral transforms in the solution of differential and integral equations. Fourier series, Fourier and Laplace transforms, distributions, integral equations, Greens functions, Sturm-Liouville theory, perturbation methods and asymptotics, orthogonal use Lecture Independent findependent			Math:Geomtrc		Mathemat					
differential equations commonly arising in physics and engineering. Systems of equations, stability theory, Liapunov's methods, autonomous systems, existence Fall 2007 MTH481 481 Equations MTH ics 3 and uniqueness of solutions, UG LE Lectu White appl Math: Integral Fall 2007 MTH482 482 Mthds MTH ics 3 asymptotics, orthogonal UG LE Lectu Fall 2007 MTH488 488 Reading MTH ics 1 Topics vary. Udifferential equations commonly arising in physics and engineering. Systems of equations, stability theory, Liapunov's methods, autonomous systems, existence autonomous systems, existence 3 and uniqueness of solutions, UG LE Lectu Use of integral transforms in the solution of differential and integral equations. Fourier series, Fourier and Laplace transforms, distributions, integral equations, Greens functions, Sturm-Liouville theory, perturbation methods and a saymptotics, orthogonal UG LE Lectu Independent Mathematics Fall 2007 MTH488 488 Reading MTH ics 1 Topics vary. UG IS nt Sture-Liouville theory, Detailed study of the connections within mathematics and between mathematics and school mathematics. May be taken for	Fall 2007	MTH480	480	Mthds	MTH	ics	-	UG	LE	Lecture
Use of integral transforms in the solution of differential and integral equations. Fourier series, Fourier and Laplace transforms, distributions, integral equations, Greens functions, Sturm-Liouville theory, perturbation methods and asymptotics, orthogonal UG LE Lectu Independent Reading MTH ics 1 Topics vary. Wath: Integral Mathemat ics and between mathematics and between mathematics and school mathematics. May be taken for	Fall 2007	MTH481	481	Math:Diff	MTH		differential equations commonly arising in physics and engineering. Systems of equations, stability theory, Liapunov's methods, autonomous systems, existence	ПС	l F	Lecture
Fall 2007 MTH488 488 Reading MTH ics 1 Topics vary. UG IS nt Stu Detailed study of the connections within mathematics and between mathematics and school UG Math UG Math	1 uli 2007		701	Mthds Appl			Use of integral transforms in the solution of differential and integral equations. Fourier series, Fourier and Laplace transforms, distributions, integral equations, Greens functions, Sturm-Liouville theory,		LL	Ecotoric
Fall 2007 MTH488 488 Reading MTH ics 1 Topics vary. UG IS nt Study of the connections within mathematics and between mathematics and school uG Math mathematics. May be taken for	Fall 2007	MTH482	482	Mthds	MTH	ics	3 asymptotics, orthogonal	UG	LE	Lecture
Detailed study of the connections within mathematics and between mathematics and school UG Math mathematics. May be taken for						Mathemat				Independe
Education Mathemat letter grade or	Fall 2007	MTH488	488	UG Math	MTH		Detailed study of the connections within mathematics and between mathematics and school mathematics. May be taken for		IS	nt Study
	Fall 2007	MTH491	491		MTH		<u> </u>	UG	SE	Seminar
MTH491 Writing in Mathemat Fall 2007 W 491W MTH MTH ics 0 UG LB Lab	Fall 2007		491W	_	MTH		0	UG	I B	Lab

							Detailed study of a single			
							mathematics topic chosen by the			
							student with the approval of the			
							instructor. The student will			
							present the results of the study			
			UG				ļ.			
					N/ a t la a usa a t		in an expository paper submitted			
Fall 2007	MTLIAGO	402	Mathematics	MTH	Mathemat	2	to the instructor, and also	UG	SE	Cominor
Fall 2007	MTH492	492	Seminar	MTH	ics	3	present them to a broader	UG	SE	Seminar
F 11 0007	MTH492	400147	Writing in		Mathemat .				. 5	
Fall 2007	W	492W	MTH	MTH	ics	0		UG	LB	Lab
- "		400	Selected		Mathemat					Independe
Fall 2007	MTH499	499	Topics	MTH	ics	1	Selected topics in mathematics.	UG	IS	nt Study
							Examples of systems of			
							differential equations, complex			
							and repeated eigenvalues,			
							solutions of systems, matrix			
							exponential, qualitative behavior			
							of first-order equations, planar			
							systems and stability, almost			
			Differential		Mathemat		linear systems, and energy			
Fall 2007	MTH503	503	Equations II	MTH	ics	3	methods.	GR	LE	Lecture
							Topics may include ordinary			
							differential equations, linear			
							algebra orthogonality, Fourier			
							series and integrals,			
					Mathemat		multivariable calculus, and partial			
Fall 2007	MTH504	504	Adv Egr Mth I	MTH	ics	3	differential equations.	GR	LE	Lecture
							calculus, partial differential			
							equations, numerical methods,			
							linear algebra, complex			
							variables, conformal mapping,			
							calculus of variations, and			
					Mathemat		wavelets.			
Fall 2007	MTH505	505	Adv Egr Mth II	MTLI	ics	3		GR	LE	Lecture

							Introduction to numerical			
							methods used in the sciences.			
							Includes methods of			
							interpolation, data smoothing,			
							functional approximation,			
							integration, solutions of systems			Lecture/La
							of equations, and solutions of			b
			Num Meth-		Mathemat		ordinary differential equations. 3			Combinatio
Fall 2007	MTH516	516	Digital Comp I	МТП	ics		hours lecture, 2 hours lab	GR	LL	n
Fall 2007	IVITIO	310	Digital Comp i	IVIII	ICS		An introduction to numerical	GK	LL	11
							methods used in the sciences.			
							Includes methods of			
							interpolation, data smoothing,			
							functional approximation,			Lecture/La
			Num Meth-				integration, solutions of systems			b
			Digital Comp		Mathemat		of equations, and solutions of			Combinatio
Fall 2007	MTH517	517	II	MTH	ics		ordinary differential equations.	GR	LL	n
Fall 2007	WITH517	517	11	IVIII	ICS	4	Topics discussed include power	GK	LL	
							series expansion, the formula of			
							Cauchy, residues, conformal			
			Compley		Mathemat		3			
Fall 2007	MTH532	532	Complex Variables	MTH			mappings, and elementary functions in the complex domain.	GR	LE	Lecture
raii 2007	IVI I II II II II II II II II II II II I	332	variables	IVIII	ics	ა	Partial differential equations,	GK	LE	Lecture
			Part Dffrn				boundary value problems,			
					Mathemat		·			
Fall 2007	MTH533	533	Equa-Bndrs Val Prob	MTH	ics		eigenfunctions, Fourier series, and applications.	GR	LE	Lecture
Fall 2007	MILLIOSS	333	Val Flub	IVIII	103	3	Divisibility properties of integers,	GK	LE	Lecture
							prime numbers, congruences,			
							the Chinese remainder theorem,			
							-			
			Flomontony				quadratic reciprocity law, Mobius inversion formula, Euler f-			
			Elementary		Mathemat					
Fall 2007	MTH581	581	Number	MTH			function, other number-theoretic functions.	GR	LE	Locturo
Fall 2007	INITOOL	001	Theory	IVIII	ics			GK	LC	Lecture
			Selected		Mathemat		Selected topics in mathematics.			Indonondo
Fall 2007	MTHEOD	E00		NATLI			May be taken for letter grade or	CD	ıc	Independe
Fall 2007	MTH599	599	Topics	MTH	ics	I	pass/unsatisfactory.	GR	IS	nt Study

			T				T .		
						Ordinary differential equations,			
						linear algebra, systems and			
						qualitative theory of ordinary			
						differential equations, numerical			
						methods, Fourier series and			
			Adv			integrals, Fourier and Laplace			
			Engineering		Mathemat	transforms, partial differential			
Fall 2007	MTH603	603	Mathematics I	MTH	ics	4 equations, vector spaces.	GR	LE	Lecture
						Linear transformations,			
						applications and properties of			
						matrices, vector calculus,			
			Adv			calculus of variations, functions			
			Engineering			of a complex variable, series,			
			Mathematics		Mathemat	residues, poles, stability,			
Fall 2007	MTH604	604	П	MTH	ics	4 conformal mapping.	GR	LE	Lecture
						Structure and properties of			
						mathematical models. Size			
						effects, dimensional analysis,			
						graphical methods, comparative			
						statics, stability, optimization			
			Mathematical		Mathemat	techniques, probabilistic models,			
Fall 2007	MTH606	606	Modeling	MTH	ics	3 and Monte Carlo simulation.	GR	LE	Lecture
						Concepts of minima and			
						maxima; linear programming;			
						simplex method, sensitivity, and			
						duality; transportation and			
			Optimization		Mathemat	assignment problems; and			
Fall 2007	MTH607	607	Techniques	MTH	ics	3 dynamic programming.	GR	LE	Lecture
						Turing machines; m-recursive			
						functions; equivalence of			
						computing paradigms; Church-			
			Theoretical			Turing thesis; undecidability;			
			Fndtns-		Mathemat	intractability. 3 hours lecture, 2			
Fall 2007	MTH610	610	Computing	MTH	ics	4 hours lab.	GR	LE	Lecture

			Intro to			Solving scientific problems using computational software packages MATLAB and			
			Mathematical		Mathemat	MATHEMATICA, including			
Fall 2007	MTH614	614	Software	MTH	ics	3 procedural and functional	GR	LE	Lecture
						In a hands-on multidisciplinary			
						setting, the student will use			
						modern computational			
			Intro-Scientific		Mathemat	techniques to simulate			
Fall 2007	MTH615	615	Computation	MTH	ics	4 phenomena, running and	GR	LE	Lecture
						Survey of numerical methods in			
						linear algebra emphasizing			
						practice with high-level computer			
						tools. Topics include Gaussian			
						elimination, LU decomposition,			
						numerical eigenvalue problems,			
						QR factorization, least squares,			
			Matrix		Mathemat	singular value decompositions,			
Fall 2007	MTH616	616	Computations	MTH	ics	4 and iterative methods.	GR	LE	Lecture
						Introduces the mathematical			
						principles of data security.			
						Various developments in			
						cryptography discussed,			
						including public-key encryption,			
			Cryptography			digital signatures, data			
			& Data		Mathemat	encryption standard (DES), and			
Fall 2007	MTH619	619	Security	MTH	ics	3 key safeguarding schemes.	GR	LE	Lecture
						(Offered jointly with the			
						Department of Philosophy.) This			
						course treats logic as an object			
						rather than a subject. Although			
						it contains extensions to higher			
			A de		NA - Ale	order logic, its main concern will			
F-II 0007	MATILLOG		Advanced	N 4-T-1 -	Mathemat	be with the use of logic and with	CD.		1
Fall 2007	MTH623	623	Logic	MTH	ics	3 the limitations of logical systems.	GR	LE	Lecture

							Functions, sequences, limits,			
					Mathamat		continuity, differentiability,			
Fall 2007	MTII/ 21	/ 21	Deal Variables	NATI I	Mathemat	2	integration, and mean-value	CD	1.5	Lootumo
Fall 2007	MTH631	631	Real Variables	MTH	ics	3	theorems.	GR	LE	Lecture
							Infinite series, uniform			
			De al Vanialala		Mathamat		convergence, Taylor series,			
F-II 0007	MTILLO	(00	Real Variables	N 4-T-1-1	Mathemat	2	improper integrals, special	CD.		1 1
Fall 2007	MTH632	632	11	MTH	ics	3	functions, and Fourier series.	GR	LE	Lecture
			5				Theory of functions of several			
F !! 0007			Real Variables		Mathemat		variables and vector-valued	0.0		
Fall 2007	MTH633	633	III	MTH	ics	3	functions.	GR	LE	Lecture
							Complex arithmetic,			
							differentiation (analytic			
							functions, the Cauchy-Riemann			
							equations), elementary functions			
							and their mapping properties,			
							integration (Cauchy's theorem,			
			Intro to				Cauchy integral Formula), Taylor			
			Complex		Mathemat		and Laurent series, poles,			
Fall 2007	MTH634	634	Analysis	MTH	ics	5	residues, the residue theorem.	GR	LE	Lecture
							Introduces several abstract			
							algebraic structures and their			
							models that are used in			
			Descrete				computer science. Examples			
			Algebraic		Mathemat		include semigroups, finite-state			
Fall 2007	MTH650	650	Structures	MTH	ics	3	machines, and groups and cod.	GR	LE	Lecture
			Intro to				Introduction to abstract algebraic			
			Modern		Mathemat		structures including groups,			
Fall 2007	MTH651	651	Algebra I	MTH	ics	3	rings, integral domains, and	GR	LE	Lecture
			Intro to				Introduction to abstract algebraic			
			Modern		Mathemat		structures including groups,			
Fall 2007	MTH652	652	Algebra II	MTH	ics	3	rings, integral domains, and	GR	LE	Lecture
							Vector spaces and subspaces,			
							basis and dimension, linear			
							transformations and matrices,			
			Advanced		Mathemat		eigenvalues and eigenvectors,			
Fall 2007	MTH655	655	Linear Algebra	MTH	ics	3	inner product spaces.	GR	LE	Lecture

							Introduction to the essentials of			
							error-correcting codes, the study			
							of methods for efficient and			
							accurate transfer of information.			
							Topics covered include basic			
							concepts, perfect and related			
					Mathemat		codes, cyclic codes, and BCH			
Fall 2007	MTH656	656	Coding Theory	MTH	ics	3	codes.	GR	LE	Lecture
							Topics from permutations,			
							combinatorics, generating			
					Mathemat		functions, recurrence relations,			
Fall 2007	MTH657	657	Combinatorics	MTH	ics	3	and Polya's theory of counting.	GR	LE	Lecture
							Introduction to methods, results,			
							and algorithms from graph			
							theory. Emphasis on graphs as			
							mathematical models applicable			
			Applied Graph		Mathemat		to organizational and industrial			
Fall 2007	MTH658	658	Theory	MTH	ics	3	situations.	GR	LE	Lecture
							Introduction to some of the			
							mathematical tools needed for			
							an understanding of computer			
							programming. Topics covered			
							are summations, elementary			
			Combinatorial				number theory, combinatorial			
			Tools-Comp		Mathemat		identities, generating functions,			
Fall 2007	MTH659	659	Sci	MTH	ics	3	and asymptotics.	GR	LE	Lecture
							Topics in the foundation of			
							Euclidean geometry, introduction			
					Mathemat		to non-Euclidean and other			
Fall 2007	MTH671	671	Geometry	MTH	ics	3	geometries.	GR	LE	Lecture
							Projective and affine planes and			
							spaces. Change of coordinates.			
			Projective		Mathemat		Projective transformations.			
Fall 2007	MTH672	672	Geometry	MTH	ics	3	Conics.	GR	LE	Lecture

							Calculus on Euclidean space, Frame fields, calculus on a			
			Differential		Mathemat		surface, shape operators, and geometry of surfaces in			
Fall 2007	MTH675	675	Geometry	MTH	ics	4	Euclidean 3 space.	GR	LE	Lecture
1 dii 2007	101111073	073	Geometry	IVIIII	103		Basic mathematical tools for the	GIX	<u> </u>	Lecture
							description of physical systems in			
							three dimensions. Vector and			
							tensor analysis, curvilinear			
			Meth Appl				coordinate systems, calculus of			
			Mth:Geometric		Mathemat		variations, Lagrangian			
Fall 2007	MTH680	680	Meth	MTH	ics	3	mechanics, Lagrange multipliers.	GR	LE	Lecture
							Solution methods for ordinary			
							differential equations commonly			
							arising in physics and			
							engineering. Systems of			
							equations, stability theory,			
			Meth Appl				Liapunov's methods,			
			Mth:Diff		Mathemat		autonomous systems, existence			
Fall 2007	MTH681	681	Equation	MTH	ics	3	and uniqueness of solutions,	GR	LE	Lecture
							Use of integral transforms in the			
							solution of differential and			
							integral equations. Fourier			
							series, Fourier and Laplace			
							transforms distributions, integral			
			Moth Appl				equations, Greens functions, Sturm-Liouville theory,			
			Meth Appl Mth:Integral		Mathemat		perturbation methods and			
Fall 2007	MTH682	682	Methods	MTH	ics	2	asymptotics, orthogonal	GR	LE	Lecture
1 all 2007	WITT1002	002	Independent	IVIIII	Mathemat	J	asymptotics, orthogonal	GK	LL	Independe
Fall 2007	MTH688	688	Reading	MTH	ics	1	Titles vary.	GR	IS	nt Study
1 411 2007			rtodding		100	<u> </u>	Reading and discussion of	O. C	10	The Octady
							current trends and research in			
							mathematics and statistics			
					Mathemat		education with applications to			
Fall 2007	MTH692	692	Seminar	MTH	ics	1	PreK-14 mathematics	GR	SE	Seminar
			Selected		Mathemat					Independe
Fall 2007	MTH699	699	Topics	MTH	ics	1	Selected topics in mathematics.	GR	IS	nt Study

							Survey of available instructional			
							materials and discussion of			
			Principles-				educational theory and			
			Instruction in		Mathemat		techniques leading to more			
Fall 2007	MTH700	700	Math	MTH	ics	3	effective instruction.	GR	SE	Seminar
							Topics chosen with emphasis on			
							computational linear algebra.			
							Systems of linear equations and			
							Gaussian elimination;			
							computation of eigenvalues and			
							eigenvectors; matrix			
			Numerical		Mathemat		exponential; norm and condition			
Fall 2007	MTH716	716	Analysis I	MTH	ics	4	number; and iterative methods.	GR	LE	Lecture
							Finite difference methods for			
							partial differential equations;			
			Numerical		Mathemat		analysis of stability and			
Fall 2007	MTH717	717	Analysis II	MTH	ics	4	convergence.	GR	LE	Lecture
							Finite element methods for			
							elliptic boundary value problems,			
							analysis of errors, approximation			
							by finite element spaces, effects			
							of curved boundaries, numerical			
			Numerical		Mathemat		integration, and finite element			
Fall 2007	MTH718	718	Analysis	MTH	ics	4	methods for parabolic problems.	GR	LE	Lecture
							Introduces predicate logic as an			
							inference system, emphasizing			
							refutation procedures, problem			
							reduction, and resolution. A basis			
			Computational		Mathemat		for studying logic programming			
Fall 2007	MTH725	725	Logic	MTH	ics	4	and artificial intelligence.	GR	LE	Lecture
							Metric spaces: convergence,			
							completeness, compactness,			
							Ascoli-Arzela theorem. Stone-			
			Principles of		Mathemat		Weierstrass theorem. Banach			
Fall 2007	MTH730	730	Analysis	MTH	ics	4	spaces. Dual of Lp, of C[a,b].	GR	LE	Lecture

							Lebesque measure and			
							integration on the real line.			
							Convergence theorems,			
							differentiation of integrals,			
					Mathemat		functions of bounded variation,			
Fall 2007	MTH731	731	Real Analysis I	MTH	ics	4	and absolute continuity.	GR	LE	Lecture
							LP spaces and their bounded			
							linear functionals. Banach			
							spaces, Hahn-Banach theorem,			
							and closed-graph theorem.			
							Hilbert space, Riesz			
			Real Analysis		Mathemat		representation theorem,			
Fall 2007	MTH732	732	II	MTH	ics	4	orthonormal bases, and general	GR	LE	Lecture
		7.02					Outer measure, measure,			20000.0
							integration, general convergence			
							theorems, Radon-Nikodym			
			Real Analysis		Mathemat		theorem, product measure, and			
Fall 2007	MTH733	733	III	MTH	ics	4	Fubini's theorem.	GR	LE	Lecture
			Complex		Mathemat					
Fall 2007	MTH739	739	Analysis III	MTH	ics	4		GR	LE	Lecture
							Group theory-isomorphism			
							theorems, Jordan-Holder			
							theorem, permutation groups,			
							Sylow theorems, finitely			
					Mathemat		generated Abelian groups, and			
Fall 2007	MTH751	751	Algebra I	MTH	ics	4	free groups.	GR	LE	Lecture
							Ring theory-polynomial rings,			
							unique factorization, radicals,			
					Mathemat		and Wedderburn-Artin structure			
Fall 2007	MTH752	752	Algebra II	MTH	ics	4	theory.	GR	LE	Lecture
							Field theory-simple extensions,			
							Galois theory, solvability by			
					Mathemat		radicals, cyclotomy, finite fields,			
Fall 2007	MTH753	753	Algebra III	MTH	ics	4	and Wedderburn's theorem.	GR	LE	Lecture
					Mathemat					
Fall 2007	MTH771	771	Topology	MTH	ics	4		GR	LE	Lecture

							Function spaces, differential and			
							integral equations, fixed point			
							theorems, Hilbert spaces,			
							compact operators, eigenvalues,			
			Applied		Mathemat		eigenfunction expansions, and			
Fall 2007	MTH777	777	Analysis I	MTH	ics	4	Sturm-Liouville problems.	GR	LE	Lecture
						•	Inverse operators, fixed-point			
							theorems, compactness,			
							variational methods, and			
			Applied		Mathemat		functional analysis of numerical			
Fall 2007	MTH778	778	Analysis II	MTH	ics	4	methods.	GR	LE	Lecture
			Continuing		Mathemat					Independe
Fall 2007	MTH789	789	Registration	MTH	ics	1		GR	IS	nt Study
			Special		Mathemat					Independe
Fall 2007	MTH792	792	Problems	MTH	ics	1	Titles vary.	GR	IS	nt Study
			Selected		Mathemat					Independe
Fall 2007	MTH799	799	Topics	MTH	ics	1	Selected topics in mathematics.	GR	IS	nt Study
					Mathemat					
Fall 2007	MTH800	800	Grad Seminar	MTH	ics	1		GR	SE	Seminar
			Topics in							
			Analysis-Mod		Mathemat					Independe
Fall 2007	MTH830	830	Fndtns	MTH	ics	1		GR	IS	nt Study
			Topics in		Mathemat					Independe
Fall 2007	MTH850	850	Algebra	MTH	ics	1		GR	IS	nt Study
- u 0007		070	Topics in		Mathemat	_		0.5		Independe
Fall 2007	MTH870	870	Geometry	MTH	ics	1		GR	IS	nt Study
F - II 0007	MTHOOO	000	Graduate	NAT-1-1	Mathemat	4	T'11	CD	10	Independe
Fall 2007	MTH899	899	Research	MTH	ics	<u> </u>	Titles vary.	GR	IS	nt Study
							Applied music instruction is			
							available to the general student,			
							regardless of major. Section			
					Music:		number designates applied area. Audition required. Half-hour			
					Applied		lesson only. Enrollment limited.			Independe
Fall 2007	MUA110	110	Applied Music	MIIA	Music	1	Department permission required.	LIG	IS	nt Study
1 all 2007	MICHILL	110	Applied Music	MOV	IVIUSIC		Department permission required.	JU	10	iii siuuy

							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA111	111	Applied Music	MUA	Music	1	registering for applied music.	UG	IS	nt Study
							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA112	112	Applied Music	MUA	Music	1	registering for applied music.	UG	IS	nt Study
							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA113	113	Applied Music	MUA	Music	1	registering for applied music.	UG	IS	nt Study
							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA121	121	Applied Music	MUA	Music	2	registering for applied music.	UG	IS	nt Study
							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA122	122	Applied Music	MUA	Music	2	registering for applied music.	UG	IS	nt Study
							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA123	123	Applied Music	MUA	Music	2	registering for applied music.	UG	IS	nt Study
							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA141	141	Applied Music	MUA	Music	4	registering for applied music.	UG	IS	nt Study

						Open only to music majors or minors. All students must have		
					Music:	auditioned for and have received		
					Applied	departmental approval before		Independe
Fall 2007	MUA142	142	Applied Music	MUA	Music	4 registering for applied music. UG	IS	nt Study
						Open only to music majors or		
						minors. All students must have		
					Music:	auditioned for and have received		
					Applied	departmental approval before		Independe
Fall 2007	MUA143	143	Applied Music	MUA	Music	4 registering for applied music. UG	IS	nt Study
						Open only to music majors or		
						minors. All students must have		
					Music:	auditioned for and have received		
					Applied	departmental approval before		Independe
Fall 2007	MUA211	211	Applied Music	MUA	Music	1 registering for applied music. UG	IS	nt Study
						Open only to music majors or		
						minors. All students must have		
					Music:	auditioned for and have received		
					Applied	departmental approval before		Independe
Fall 2007	MUA212	212	Applied Music	MUA	Music	1 registering for applied music. UG	IS	nt Study
						Open only to music majors or		
						minors. All students must have		
					Music:	auditioned for and have received		
					Applied	departmental approval before		Independe
Fall 2007	MUA213	213	Applied Music	MUA	Music	1 registering for applied music. UG	IS	nt Study
						Open only to music majors or		
						minors. All students must have		
					Music:	auditioned for and have received		
					Applied	departmental approval before		Independe
Fall 2007	MUA221	221	Applied Music	MUA	Music	2 registering for applied music. UG	IS	nt Study
					Music:			
F 11 0007		000			Applied		10	Independe
Fall 2007	MUA222	222	Applied Music	MUA	Music	2 UG	IS	nt Study
						Open only to music majors or		
					N. de codo	minors. All students must have		
					Music:	auditioned for and have received		Indonosel -
Fall 2007	MILAGOG	222	Applied Music	N / L L A	Applied	departmental approval before	ıc	Independe
Fall 2007	MUA223	223	Applied Music	IVIUA	Music	2 registering for applied music. UG	IS	nt Study

							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA241	241	Applied Music	MUA	Music	4	registering for applied music.	UG	IS	nt Study
							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA242	242	Applied Music	MUA	Music	4	registering for applied music.	UG	IS	nt Study
							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA243	243	Applied Music	MUA	Music	4	registering for applied music.	UG	IS	nt Study
							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA311	311	Applied Music	MUA	Music	1	registering for applied music.	UG	IS	nt Study
							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA312	312	Applied Music	MUA	Music	1	registering for applied music.	UG	IS	nt Study
							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA313	313	Applied Music	MUA	Music	1	registering for applied music.	UG	IS	nt Study
							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA321	321	Applied Music	MUA	Music	2	registering for applied music.	UG	IS	nt Study

							Open only to music majors or minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA322	322	Applied Music	MUA	Music		registering for applied music.	UG	IS	nt Study
1 dii 2007	WOTOZZ	UZZ	Applied Masie	WOY	Widsio		Open only to music majors or	00		In Study
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA323	323	applied Music	MUA	Music		registering for applied music.	UG	IS	nt Study
1 411 2007	MONOZO	020	арриод индого	10071	TVIGS10		Open only to music majors or			- In olday
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA341	341	Applied Music	MUA	Music		registering for applied music.	UG	IS	nt Study
			- Information	1			Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA342	342	Applied Music	MUA	Music		registering for applied music.	UG	IS	nt Study
							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA343	343	Applied Music	MUA	Music		registering for applied music.	UG	IS	nt Study
					Music:		A solo concert performance on			
					Applied		the major instrument during the			Independe
Fall 2007	MUA399	399	Junior Recital	MUA	Music	0	junior year.	UG	IS	nt Study
							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA411	411	Applied Music	MUA	Music	1	registering for applied music.	UG	IS	nt Study
							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA412	412	Applied Music	MUA	Music	1	registering for applied music.	UG	IS	nt Study

							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA413	413	Applied Music	MUA	Music	1	registering for applied music.	UG	IS	nt Study
							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA421	421	Applied Music	MUA	Music	2	registering for applied music.	UG	IS	nt Study
							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA422	422	Applied Music	MUA	Music	2	registering for applied music.	UG	IS	nt Study
					Music:					
					Applied					Independe
Fall 2007	MUA423	423	Applied Music	MUA	Music	2		UG	IS	nt Study
							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA441	441	Applied Music	MUA	Music	4	registering for applied music.	UG	IS	nt Study
							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA442	442	Applied Music	MUA	Music	4	registering for applied music.	UG	IS	nt Study
							Open only to music majors or			
							minors. All students must have			
					Music:		auditioned for and have received			
					Applied		departmental approval before			Independe
Fall 2007	MUA443	443	Applied Music	MUA	Music	4	registering for applied music.	UG	IS	nt Study
					Music:		A solo concert performance on			
					Applied		the major instrument during the			Independe
Fall 2007	MUA499	499	Senior Recital	MUA	Music	0	senior year.	UG	IS	nt Study

						Open only to music majors or			
						minors. All students must have			
					Music:	auditioned for and have received			
					Applied	departmental approval before			Independe
Fall 2007	MUA710	710	Applied Music	MUA	Music	1 registering for applied music.	GR	IS	nt Study
						Open only to music majors or			
						minors. All students must have			
					Music:	auditioned for and have received			
					Applied	departmental approval before			Independe
Fall 2007	MUA720	720	Applied Music	MUA	Music	2 registering for applied music.	GR	IS	nt Study
						Open only to music majors or			
						minors. All students must have			
					Music:	auditioned for and have received			
					Applied	departmental approval before			Independe
Fall 2007	MUA740	740	Applied Music	MUA	Music	4 registering for applied music.	GR	IS	nt Study
					Music:				
			Chamber		Ensemble				
Fall 2007	MUE205	205	Music	MUE	S	1 Audition required.	UG	LE	Lecture
						A performance-oriented group			
						which provides the student with			
						chamber brass music experience.			
						Students learn elements of			
						ensemble execution,			
						professionalism, brass music			
					Music:	history, orchestral styles, and			
			University		Ensemble	sound production. Audition			
Fall 2007	MUE244	244	Brass Choir	MUE	S	1 required.	UG	LE	Lecture
						Collegium Musicum is the generic			
						term for an instrumental and			
						vocal ensemble devoted to the			
						study and performance of early			
						music, that was written before			
					Music:	1750. One period (Medieval,			
			Collegium		Ensemble	Renaissance, Baroque) will be			
Fall 2007	MUE245	245	Musicum	MUE	S	1 emphasized each quarter.	UG	LE	Lecture

						Performs saxophone quartet	
						repertoire ranging from classic to	
			University		Music:	jazz to contemporary. Audition	
			Saxophone		Ensemble	and course instructor permission	
Fall 2007	MUE246	246	Quartet	MUE	s	1 required. UG LE Lectu	ıre
						Performs music of all time	
					Music:	periods and styles originally	
			University		Ensemble	composed for this	
Fall 2007	MUE247	247	Flute Choir	MUE	s	1 instrumentation as well as UG LE Lectu	ıre
						Performs music of all time	
i					Music:	periods and styles originally	
			University		Ensemble	composed for this	
Fall 2007	MUE248	248	Clarinet Choir	MUE	S	1 instrumentation as well as UG LE Lectu	ıre
						Exploration of performance	
						repertoire composed expressly	
						for small wind ensemble. Works	
						by such composers as Mozart,	
						Strauss, Dvorak, Beethoven, and	
					Music:	Stravinsky. Consent of conductor	
			Chamber		Ensemble	and student's applied instructor	
Fall 2007	MUE249	249	Players	MUE	S	1 required. UG LE Lectu	ıre
					Music:	Performs band music of all	
					Ensemble	styles. Open to all students	
Fall 2007	MUE266	266	Concert Band	MUE	S	1 without audition. UG LE Lectu	ıre
						Performs jazz, rock, and	
						contemporary music at all home	
					Music:	basketball games and for other	
					Ensemble	campus activities. Audition	
Fall 2007	MUE267	267	Pep Band	MUE	S	1 required. UG LE Lectu	ıre
						A jazz performance-oriented	
						group. Students learn elements	
						of ensemble execution,	
					Music:	professionalism, jazz history, jazz	
					Ensemble	styles, and jazz improvisation.	
Fall 2007	MUE268	268	Jazz Band	MUE	S	1 Audition required. UG LE Lectu	ıre

						Performs original compositions	
					Music:	and transcriptions for band and	
			Wind		Ensemble	wind ensembles. Audition	
Fall 2007	MUE269	269	Symphony	MUE	S	1 required. UG LE Lectur	<u>e</u>
			University/Co		Music:		
			mmunity		Ensemble	Performs orchestral music of all	
Fall 2007	MUE270	270	Orchestra	MUE	S	1 styles and periods. UG LE Lectur	·e
						Instrumental ensemble,	
						consisting primarily of strings	
						and varying combinations of	
					Music:	wind and percussion	
			Chamber		Ensemble	instruments, devoted to the	
Fall 2007	MUE277	277	Orchestra	MUE	S	1 study and performance of music UG LE Lectur	·e
						Development of choral and vocal	
						skills. Choral literature from a	
					Music:	wide range of historical and	
			University		Ensemble	compositional styles. No audition	
Fall 2007	MUE290	290	Chorus	MUE	S	1 required. UG LE Lectur	·e
						Development of performance	
						skills in vocal jazz. Emphasis on	
					Music:	jazz style and techniques,	
			Vocal Jazz		Ensemble	improvisation, and jazz theory.	
Fall 2007	MUE292	292	Ensemble	MUE	S	1 Audition required. UG LE Lectur	·e
						Development of advanced choral	
						and vocal skills. Emphasis on	
						advanced choral literature from a	
					Music:	wide range of historical and	
			University		Ensemble	compositional styles. Audition	
Fall 2007	MUE293	293	Men's Chorale	MUE	S	1 required. UG LE Lectur	re
						Development of advanced choral	
						and vocal skills. Emphasis on	
						advanced choral literature from a	
			University		Music:	wide range of historical and	
			Women's		Ensemble	compositional styles. Audition	
Fall 2007	MUE294	294	Chorale	MUE	S	1 required. UG LE Lectur	·e

					Music:	Development of advanced choral and vocal skills. Emphasis on advanced vocal chamber
			Chamber		Ensemble	literature from 15th through 20th
Fall 2007	MUE295	295	Singers	MUE	S	1 centuries. Audition required. UG LE Lecture
						A choral ensemble for students
						who desire to explore the
						musical style of gospel music and its roots and various forms.
						Includes performances of a body
						of literature associated with the
					Music:	African American church to the
			Paul L. Dunbar		Ensemble	university and surrounding
Fall 2007	MUE297	297	Chorale	MUE	S	1 communities. UG LE Lecture
1 411 2007	WOLZ	271	Onordic	WOL	3	Development of advanced choral
						and vocal skills. Emphasis on
						advanced choral concert
						repertoire representing a wide
					Music:	range of historical and
			Collegiate		Ensemble	compositional styles. Audition
Fall 2007	MUE299	299	Chorale	MUE	s	1 required. UG LE Lecture
					Music:	
			Chamber		Ensemble	
Fall 2007	MUE405	405	Music	MUE	S	1 Audition required. UG LE Lecture
						A performance-oriented group
						which provides students with
						chamber brass music experience.
						Students learn elements of
						ensemble execution,
						professionalism, brass music
					Music:	history, orchestral styles, and
			University		Ensemble	sound production. Audition
Fall 2007	MUE444	444	Brass Choir	MUE	S	1 required. UG LE Lecture

						Collegium Musicum is the generic			
						term for an instrumental and			
						vocal ensemble devoted to the			
						study and performance of early			
						music, that was written before			
					Music:	1750. One period (Medieval,			
			Collegium		Ensemble	Renaissance, Baroque) will be			
Fall 2007	MUE445	445	Musicum	MUE	s	1 emphasized each quarter.	UG	LE	Lecture
						Performs saxophone quartet			
						repertoire ranging from classic to)		
			University		Music:	jazz to contemporary. Audition			
			Saxophone		Ensemble	and course instructor permission			
Fall 2007	MUE446	446	Quartet	MUE	S	1 required.	UG	LE	Lecture
						Performs music of all time			
					Music:	periods and styles originally			
			University		Ensemble	composed for this			
Fall 2007	MUE447	447	Flute Choir	MUE	S	1 instrumentation as well as	UG	LE	Lecture
						Performs music of all time			
					Music:	periods and styles originally			
			University		Ensemble	composed for this			
Fall 2007	MUE448	448	Clarinet Choir	MUE	S	1 instrumentation as well as	UG	LE	Lecture
						Open only to music majors or			
						minors. All students must have			
					Music:	auditioned for and have received			
			Chamber		Ensemble	departmental approval before			
Fall 2007	MUE449	449	Players	MUE	S	1 registering for applied music.	UG	LE	Lecture
					Music:	Performs band music of all			
					Ensemble	styles. Open to all students			
Fall 2007	MUE466	466	Concert Band	MUE	S	1 without audition.	UG	LE	Lecture
						Performs jazz, rock, and			
						contemporary music at all home			
					Music:	basketball games and for other			
					Ensemble	campus activities. Audition			
Fall 2007	MUE467	467	Pep Band	MUE	S	1 required.	UG	LE	Lecture

						A jazz performance-oriented			
						group. Students learn elements			
						of ensemble execution,			
					Music:	professionalism, jazz history, jazz			
					Ensemble	styles, and jazz improvisation.			
Fall 2007	MUE468	468	Jazz Band	MUE	S	1 Audition required.	UG	LE	Lecture
		1.00				Performs original compositions			
					Music:	and transcriptions for band and			
			Wind		Ensemble	wind ensembles. Audition			
Fall 2007	MUE469	469	Symphony	MUE	S	1 required.	UG	LE	Lecture
		1.0.1	University/Co		Music:				
			mmunity		Ensemble	Performs orchestral music of all			
Fall 2007	MUE470	470	Orchestra	MUE	S	1 styles and periods.	UG	LE	Lecture
						Instrumental ensemble,			
						consisting primarily of strings			
						and varying combinations of			
						wind and percussion			
					Music:	instruments, devoted to the			
			Chamber		Ensemble	study and performance of music			
Fall 2007	MUE477	477	Orchestra	MUE	s	1 written for that medium.	UG	LE	Lecture
						Development of choral and vocal			
						skills. Choral literature from a			
					Music:	wide range of historical and			
			University		Ensemble	compositional styles. No audition			
Fall 2007	MUE490	490	Chorus	MUE	s	1 required.	UG	LE	Lecture
						Development of performance			
						skills in vocal jazz. Emphasis on			
					Music:	jazz style and techniques,			
			Vocal Jazz		Ensemble	improvisation, and jazz theory.			
Fall 2007	MUE492	492	Ensemble	MUE	S	1 Audition required.	UG	LE	Lecture
						Development of advanced choral			
						and vocal skills. Emphasis on			
						advanced choral literature from a			
					Music:	wide range of historical and			
			University		Ensemble	compositional styles. Audition			
Fall 2007	MUE493	493	Men's Chorale	MUE	S	1 required.	UG	LE	Lecture

							Development of advanced choral			
							and vocal skills. Emphasis on			
			I los is so mailes s		N de codo		advanced choral literature from a			
			University		Music:		wide range of historical and			
F-II 2007	MUEAGA	10.4	Women's	N 41 15	Ensemble		compositional styles. Audition	UG	l E	Laatura
Fall 2007	MUE494	494	Chorale	MUE	S		required.	UG	LE	Lecture
							Development of advanced choral			
					Music:		and vocal skills. Emphasis on advanced vocal chamber			
			Chambor							
Fall 2007	NALIE 40E	405	Chamber	V 41 1 C	Ensemble		literature from 15th through 20th		1.5	Lastura
Fall 2007	MUE495	495	Singers	MUE	S		centuries. Audition required.	UG	LE	Lecture
							A choral ensemble exploring the			
							musical style of gospel music			
1							and its roots and various forms.			
							Includes on- and off-campus			
1					24		performances of a body of			
			D. III Danila an		Music:		literature associated with the			
			Paul L. Dunbar		Ensemble		African American church.			
Fall 2007	MUE497	497	Chorale	MUE	S	1	Audition required.	UG	LE	Lecture
							Development of advanced choral			
							and vocal skills. Emphasis on			
							advanced choral concert			
							repertoire representing a wide			
					Music:		range of historical and			
			Collegiate		Ensemble		compositional styles. Audition			
Fall 2007	MUE499	499	Chorale	MUE	S	1	required.	UG	LE	Lecture
					Music:					
			Chamber		Ensemble					
Fall 2007	MUE605	605	Music	MUE	S		Audition required.	GR	LE	Lecture
							A performance-oriented group			
							which provides students with			
							chamber brass music experience.			
							Students learn elements of			
							ensemble execution,			
							professionalism, brass music			
					Music:		history, orchestral styles, and			
			University		Ensemble		sound production. Audition			
Fall 2007	MUE644	644	Brass Choir	MUE	S	1	required.	GR	LE	Lecture

							Collegium Musicum is the generic			
							term for an instrumental and			
							vocal ensemble devoted to the			
							study and performance of early			
							music, that was written before			
					Music:		1750. One period (Medieval,			
			Collegium		Ensemble		Renaissance, Baroque) will be			
Fall 2007	MUE645	645	Musicum	MUE	S	1	emphasized each quarter.	GR	LE	Lecture
							Performs saxophone quartet			
							repertoire ranging from classic to			
			University		Music:		jazz to contemporary. Audition			
			Saxophone		Ensemble		and course instructor permission			
Fall 2007	MUE646	646	Quartet	MUE	S	1	required.	GR	LE	Lecture
							Performs music of all time			
					Music:		periods and styles originally			
			University		Ensemble		composed for this			
Fall 2007	MUE647	647	Flute Choir	MUE	S	1	instrumentation as well as	GR	LE	Lecture
							Performs music of all time			
					Music:		periods and styles originally			
			University		Ensemble		composed for this			
Fall 2007	MUE648	648	Clarinet Choir	MUE	s	1	instrumentation as well as	GR	LE	Lecture
							Exploration of performance			
							repertoire composed expressly			
							for small wind ensemble. Works			
							by such composers as Mozart,			
							Strauss, Dvorak, Beethoven, and			
					Music:		Stravinsky. Consent of conductor			
			Chamber		Ensemble		and student's applied instructor			
Fall 2007	MUE649	649	Players	MUE	S	1	required.	GR	LE	Lecture
					Music:		Performs band music of all			
					Ensemble		styles. Open to all students			
Fall 2007	MUE666	666	Concert Band	MUE	S	1	without audition.	GR	LE	Lecture
							Performs jazz, rock, and			
							contemporary music at all home			
					Music:		basketball games and for other			
					Ensemble		campus activities. Audition			
Fall 2007	MUE667	667	Pep Band	MUE	S	1	required.	GR	LE	Lecture

							A jazz performance-oriented			
							group. Students learn elements			
							of ensemble execution,			
					Music:		professionalism, jazz history, jazz			
					Ensemble		styles, and jazz improvisation.			
Fall 2007	MUE668	668	Jazz Band	MUE	S	1	Audition required.	GR	LE	Lecture
							Performs original compositions			
					Music:		and transcriptions for band and			
			Wind		Ensemble		wind ensembles. Audition			
Fall 2007	MUE669	669	Symphony	MUE	S	1	required.	GR	LE	Lecture
			University/Co		Music:		·			
			mmunity		Ensemble		Performs orchestral music of all			
Fall 2007	MUE670	670	Orchestra	MUE	S	1	styles and periods.	GR	LE	Lecture
							Instrumental ensemble,			
							consisting primarily of strings			
							and varying combinations of			
					Music:		wind and percussion			
			Chamber		Ensemble		instruments, devoted to the			
Fall 2007	MUE677	677	Orchestra	MUE	S	1	study and performance of music	GR	LE	Lecture
							Development of choral and vocal			
							skills. Choral literature from a			
					Music:		wide range of historical and			
			University		Ensemble		compositional styles. No audition			
Fall 2007	MUE690	690	Chorus	MUE	S	1	required.	GR	LE	Lecture
							Development of performance			
							skills in vocal jazz. Emphasis on			
					Music:		jazz style and techniques,			
			Vocal Jazz		Ensemble		improvisation, and jazz theory.			
Fall 2007	MUE692	692	Ensemble	MUE	S	1	Audition required.	GR	LE	Lecture
							Development of advanced choral			
							and vocal skills. Emphasis on			
							advanced choral literature from a			
					Music:		wide range of historical and			
			University		Ensemble		compositional styles. Audition			
Fall 2007	MUE693	693	Men's Chorale	MUE	S	1	required.	GR	LE	Lecture

						Development of advanced choral and vocal skills. Emphasis on advanced choral literature from a	
			University		Music:	wide range of historical and	
			Women's		Ensemble	compositional styles. Audition	
Fall 2007	MUE694	694	Chorale	MUE	S	1 required. GR LE Lectu	ıre
						Development of advanced choral	
						and vocal skills. Emphasis on	
					Music:	advanced vocal chamber	
			Chamber		Ensemble	literature from 15th through 20th	
Fall 2007	MUE695	695	Singers	MUE	S	1 centuries. Audition required. GR LE Lectu	ıre
						A choral ensemble for students	
						who desire to explore the	
						musical style of gospel music	
						and its roots and various forms.	
						Includes performances of a body	
						of literature associated with the	
			Paul Laurence		Music:	African American church to the	
			Dunbar		Ensemble	university and surrounding	
Fall 2007	MUE697	697	Chorale	MUE	S	1 communities. GR LE Lectu	ıre
						Development of choral and vocal	
						skills. Emphasis on aadvanced	
						choral concert repertoire	
					Music:	representing a wide range of	
			Collegiate		Ensemble	historical and compositional	
Fall 2007	MUE699	699	Chorale	MUE	S	1 styles. Audition required. GR LE Lectu	ıre
Fall 2007	MUS100	100	Recitals	MUS	Music	0 UG LB Lab	
						Theoretical study of music	
			Theory of			including written exercises, form	
Fall 2007	MUS101	101	Music	MUS	Music	3 and analysis, and harmony. UG LE Lectu	ıre
						Theoretical study of music	
			Theory of			including written exercises, form	
Fall 2007	MUS102	102	Music	MUS	Music	3 and analysis, and harmony. UG LE Lectu	ıre
						Theoretical study of music	-
			Theory of			including written exercises, form	
Fall 2007	MUS103	103	Music	MUS	Music	3 and analysis, and harmony. UG LE Lectu	ıre

							Vocal English and Italian diction taught with an emphasis on the			
							IPA phonetic language.			
			Vocal				Discussion and development of			
			Technique and				vocal technique, terminology,			
Fall 2007	MUS111	111	•	MUS	Music	1	and anatomy.	UG	LE	Lecture
							Vocal English and Italian diction			
							taught with an emphasis on the			
							IPA phonetic language.			
			Vocal				Discussion and development of			
			Technique and				vocal technique, terminology,			
Fall 2007	MUS112	112	Diction	MUS	Music	1	and anatomy.	UG	LE	Lecture
							Vocal English and Italian diction			
							taught with an emphasis on the			
							IPA phonetic language.			
			Vocal				Discussion and development of			
			Technique and				vocal technique, terminology,			
Fall 2007	MUS113	113	Diction	MUS	Music	1	and anatomy.	UG	LE	Lecture
							Study of basic materials,			
			Fundamentals				notation, and reading of music			
			of Music				for students with little or no			
Fall 2007	MUS114	114	,	MUS	Music	3	previous music training.	UG	LE	Lecture
			Music				Historical survey of jazz and			
			Listening IV:				related styles from the late 19th		_	
Fall 2007	MUS117	117	Jazz	MUS	Music	3	century to the present.	UG	LE	Lecture
							Survey of popular musical			
							theatre from its origin in classic			
			Popular				comic opera to the present.			
F !! 0007		110	Musical				Emphasis on the Broadway			
Fall 2007	MUS118	118	Theatre	MUS	Music	3	musical since the 1940s.	UG	LE	Lecture
							through musical examples from a			
							variety of periods and cultures.			
							Principal styles, genres, and			
							composers of Western music			
			N.A ! -				from the middle ages to the			
IF-II 2007	MUCAGA	101	Music	MUC	N 4	•	present.	110	1.5	l a atomi
Fall 2007	MUS121	121	Listening	MUS	Music	2		UG	LE	Lecture

						Listening skills and aural analysis			
						through musical examples from a			
						variety of periods and cultures.			
						Principal styles, genres, and			
			Music			composers of Western music			
Fall 2007	MUS122	122	Listening	MUS	Music	2 from the middle ages to the	UG	LE	Lecture
1 411 2007	1003122	122	Listering	IVIOS	IVIUSIC	For nonmusic majors, class	00	LL	Lecture
						instruction in basic keyboard			
			Beginning			skills, rudiments of music theory,			
Fall 2007	MUS125	125	Piano I	MUS	Music	1 and beginning sight reading.	UG	LE	Lecture
raii 2007	1003123	123	PIATIO I	IVIUS	IVIUSIC	Continuation of MUS 125.	UG	LE	Lecture
						Development of additional			
			Doginaina			•			
Fall 2007	MUC10/	10/	Beginning	MIC	Music	keyboard skills. Study of melody,	UG	LE	Lootumo
Fall 2007	MUS126	126	Piano II	MUS	Music	1 harmony, and rhythm. Continuation of MUS 126.	UG	LE	Lecture
						Performance of simple music and			
			Dii			application of knowledge of			
F - II 0007	NALICA 07	107	Beginning	NALIC	N. 4	musical elements through			1 1
Fall 2007	MUS127	127	Piano III	MUS	Music	1 performance.	UG	LE	Lecture
						Focuses on the development of			
						good playing habits through			
						melody and chord playing.			
						Tuning, care of the guitar, and			
						tablature reading covered,			
						various guitar styles			
			Beg Guitar			demonstrated. Students provide			
Fall 2007	MUS131	131	Class I	MUS	Music	1 own instruments. Electric guitars	UG	LE	Lecture
						Based on technique covered in			
						MUS 131, this class concentrates			
			Beg Guitar			on note-reading, more chords,			
Fall 2007	MUS132	132	Class II	MUS	Music	1 and accompaniment styles.	UG	LE	Lecture
						Based on technique covered in			
						MUS 132, this class concentrates			
						on note-reading, more chords,			
			Beg Guitar			and accompaniment styles, and			
Fall 2007	MUS133	133	Class III	MUS	Music	1 some aspects of theory.	UG	LE	Lecture
Fall 2007	MUS145	145	Voice Class	MUS	Music	1	UG	LE	Lecture
Fall 2007	MUS146	146	Voice Class	MUS	Music	1	UG	LE	Lecture

							The study of sight singing and			
			Sight Singing				techniques for hearing and			
Fall 2007	MUS151	151	and Dictation	MUS	Music	1	notating melody and harmony.	UG	LE	Lecture
							The study of sight singing and			
			Sight Singing				techniques for hearing and			
Fall 2007	MUS152	152	and Dictation	MUS	Music	1	notating melody and harmony.	UG	LE	Lecture
							The study of sight singing and			
			Sight Singing				techniques for hearing and			
Fall 2007	MUS153	153	and Dictation	MUS	Music	1	notating melody and harmony.	UG	LE	Lecture
							Class instruction in functional			
							keyboard skills including			
							technique, chord construction			
							and connection, improvisation,			
							harmonization, playing by ear,			
							sight reading, score reading,			
			Keyboard				ensemble playing, and			
Fall 2007	MUS155	155	Musicianship	MUS	Music	1	performing repertoire pieces.	UG	LE	Lecture
							Class instruction in functional			
							keyboard skills including			
							technique, chord construction			
							and connection, improvisation,			
							harmonization, playing by ear,			
							sight reading, score reading,			
			Keyboard				ensemble playing, and			
Fall 2007	MUS156	156	Musicianship	MUS	Music	1	performing repertoire pieces.	UG	LE	Lecture
							Class instruction in functional			
							keyboard skills including			
							technique, chord construction			
							and connection, improvisation,			
							harmonization, playing by ear,			
							sight reading, score reading,			
			Keyboard				ensemble playing, and			
Fall 2007	MUS157	157	Musicianship	MUS	Music	1	performing repertoire pieces.	UG	LE	Lecture
							Introductory elements of			
							software notation, sound			
			Intro To Music				recording/editing and using			
Fall 2007	MUS198	198	Tech	MUS	Music	2	technology as a practice tool.	UG	OT	Other

							Introduction to the social,			
							historical and philosophical			
							foundations of music education.			
							Includes overview of the music			
							teaching profession, including			
							basic terminology, examination			
							of necessary skills and			
			Intro to Music				dispositions, curricular issues,			
Fall 2007	MUS199	199	Educ	MUS	Music	2	and instructional procedures.	UG	LE	Lecture
							Continuation of MUS 101, 102,			
							103. Part-writing, analysis, and			
							harmony on a more advanced			
Fall 2007	MUS201	201	Music Theory	MUS	Music	3	level.	UG	LE	Lecture
							Continuation of MUS 101, 102,			
							103. Part-writing, analysis, and			
							harmony on a more advanced			
Fall 2007	MUS202	202	Music Theory	MUS	Music	3	level.	UG	LE	Lecture
							Continuation of MUS 101, 102,			
							103. Part-writing, analysis, and			
							harmony on a more advanced			
Fall 2007	MUS203	203	Music Theory	MUS	Music	3	level.	UG	LE	Lecture
							Introduction to the music of			
							Western culture from the Middle			
							Ages to the present. Emphasis			
			Music in				on listening skills; elements of			
			Western				music; major styles, genres, and			
Fall 2007	MUS214	214	Culture	MUS	Music	4	composers; and cultural context.	UG	LE	Lecture
							The study of materials,			
							equipment, and class instruction			
			String				in basic playing and teaching			
Fall 2007	MUS215	215	Methods I	MUS	Music	1	string instruments.	UG	LE	Lecture
							The study of materials,			
							equipment, and class instruction			
			String				in basic paying and teaching			
Fall 2007	MUS216	216	Methods II	MUS	Music	1	string instruments.	UG	LE	Lecture

			Methods-Music			Materials, techniques, and			
			Marching			administration of marching			
Fall 2007	MUS223	223	Bands	MUS	Music	3 bands in the public school.	UG	LE	Lecture
						Class instruction, materials, and			
			High Brass			pedagogy for trumpet and horn.			
Fall 2007	MUS224	224	Methods	MUS	Music	1 Instrument music majors only.	UG	LE	Lecture
						Class instruction. Materials and			
						pedagogy for trombone and			
			Low Brass			tuba. Instrumental music			
Fall 2007	MUS225	225	Methods	MUS	Music	1 education majors only.	UG	LE	Lecture
						General survey of brass			
			Elementary			instruments. Vocal and string			
Fall 2007	MUS226	226	Brass Methods	MUS	Music	1 majors only.	UG	LE	Lecture
						The study of materials,			
						equipment, and class instruction			
			Woodwind			in playing and teaching			
Fall 2007	MUS227	227	Methods I	MUS	Music	1 woodwind instruments in public	UG	LE	Lecture
						The study of materials,			
						equipment, and class instruction			
F 11 0007		000	Woodwind			in playing and teaching			
Fall 2007	MUS228	228	Methods II	MUS	Music	1 woodwind instruments in the	UG	LE	Lecture
						General survey of woodwind			
			F			instruments for vocal and string			
F-II 2007	MUCOOO	220	Elementary	MUC	Maraia	methods. String or vocal majors			1 +
Fall 2007	MUS229	229	Woodwinds	MUS	Music	1 only. Class instruction. Materials and	UG	LE	Lecture
Fall 2007	MUS231	231	Percussion Instruments	MUS	Music		UG	LE	Looturo
Fall 2007	IVIU323 I	231	Sight Singing	IVIUS	IVIUSIC	1 pedagogy.	UG	LE	Lecture
Fall 2007	MUS251	251	& Diction	MUS	Music	1 Continuation of MUS 153.	UG	LE	Lecture
Fall 2007	1003231	231	Sight Singing	IVIUS	IVIUSIC	T CONTINUATION OF WIOS 155.	UG	LE	Lecture
Fall 2007	MUS252	252	and Diction	MUS	Music	1 Continuation of MUS 251.	UG	LE	Lecture
1 411 2007	IVIUSZSZ	232	Sight Singing	IVIUJ	IVIUSIC	T CONTINUATION OF WICE 231.	00	LL	Lecture
Fall 2007	MUS253	253	and Diction	MUS	Music	1 Continuation of MUS 252.	UG	LE	Lecture
1 411 2007		200	and Diotion		1110010	Class instruction in functional			Locialo
			Keyboard			keyboard skills. Continuation of			
Fall 2007	MUS255	255	Musicianship	MUS	Music	1 MUS 157.	UG	LE	Lecture
							1		

Fall 2007	MUS256	256	Keyboard Musicianship	MUS	Music	Class instruction in functional keyboard skills. Continuation of 1 MUS 157.	UG	LE	Lecture
					doi:	Class instruction in functional keyboard skills. Continuation of MUS 157.			255745
			Keyboard						
Fall 2007	MUS257	257	Musicianship	MUS	Music	1	UG	LE	Lecture
						For students of singing.			
						Application of the International			
			Pronunciation-			Phonetic Alphabet to German			
			Foreign			and French. Includes intensive			
Fall 2007	MUS261	261	Language	MUS	Music	2 readings of song lyrics.	UG	LE	Lecture
						For students of singing.			
						Application of the International			
			Pronunciation-			Phonetic Alphabet to German			
F II 0007	N 41 100 / 0	0.40	Foreign			and French. Includes intensive		. –	
Fall 2007	MUS262	262	Language	MUS	Music	2 readings of song lyrics.	UG	LE	Lecture
						Basic fundamental scales and			
						principles associated with the			
			1			jazz tradition. Includes the study			
			Jazz			and performance of the blues,			
F-II 0007	N411C004	201	Improvisation	MUC	N 4 ! -	minor pentatonic, minor seventh,			1
Fall 2007	MUS281	281	I	MUS	Music	1 and major scales.	UG	LE	Lecture
						Study and performance of the			
						cycle of fifths through technical			
						jazz exercises designed to			
			lozz			complement the highly			
			Jazz			syncopated rhythms and nondiatonic melodies found in			
Fall 2007	MUS282	282	Improvisation II	MUS	Music	1 the music of the Bebop era.	UG	LE	Lecture
raii 2007	IVIU3202	202	11	IVIUS	IVIUSIC	•	UG	LE	Lecture
						Introduces popular jazz riffs that have become standard practice			
						among jazz artists of all periods			
						and focuses on grace notes,			
			Lazz			diminished scales, diminished			
			Improvisation			whole-tone scales, and			
Fall 2007	MUS283	283	III	MUS	Music	1 transcribed jazz solos.	UG	LE	Lecture

						Introduces both the technical			
						and psychological artistic			
						approach to sound production			
						relating to jazz music and			
			Advanced Jazz			examines important recordings			
Fall 2007	MUS284	284	Improv	MUS	Music	1 from various periods of jazz	UG	LE	Lecture
1 411 2007	1003204	204	Improv	IVIOS	IVIUSIC	Survey of the development of	00	LL	LCCIUIC
						African American music from a			
						historical, sociological, and			
						cultural perspective. Included will			
			African Amer			be an analysis of the genres,			
			Music:Amer/B			influences, and impact on			
Fall 2007	MUS290	290	eyond	MUS	Music	4 American and world culture.	UG	LE	Lecture
1 411 2007	MUS290	270	Writing in MUS		- Indisio	Required writing component for			2001410
Fall 2007	W	290W	290	MUS	Music	0 MUS 290.	UG	LB	Lab
			History of		1110111	From ancient and medieval			
Fall 2007	MUS311	311	Music	MUS	Music	3 periods through the 20th	UG	LE	Lecture
	MUS311		Writing in MUS			Required writing component for			
Fall 2007	W	311W	311	MUS	Music	0 MUS 311.	UG	LB	Lab
			History of			From ancient and medieval			
Fall 2007	MUS312	312	Music	MUS	Music	3 periods through the 20th	UG	LE	Lecture
	MUS312		Writing in MUS						
Fall 2007	W	312W	312	MUS	Music	0	UG	LB	Lab
			History of			From ancient and medieval			
Fall 2007	MUS313	313	Music	MUS	Music	3 periods through the 20th	UG	LE	Lecture
	MUS313		Writing in MUS						
Fall 2007	W	313W	313	MUS	Music	0	UG	LB	Lab
						History of piano pedagogy.			
						Overview of the teaching and			
						learning process. Study of			
						methods and materials for use			
						with students of various age			
1			Piano			groups during their first years of			
Fall 2007	MUS316	316	Pedagogy I	MUS	Music	3 piano studies.	UG	LE	Lecture

							Investigation of individual and group procedures for teaching,			
							rhythm, music reading, pianistic			
							technique, elementary			
							improvisation, and			
			Piano				artistic expression. Discussion of			
Fall 2007	MUS317	317	Pedagogy II	MUS	Music	3	repertoire and anthologies.	UG	LE	Lecture
			Instr Music Ed				Foundations of instrumental			
Fall 2007	MUS323	323	Methods I	MUS	Music	2	music education.	UG	LE	Lecture
							This course will build on issues			
							raised in MUS 323 and cover			
							techniques, materials, and			
			Instr Music Ed				methods for the school			
Fall 2007	MUS324	324	Methods II	MUS	Music	2	instrumental music program.	UG	LE	Lecture
							This course will equip			
							prospective teachers and future			
							instrumental conductors with			
							practical and artistical			
							applications, pedagogical			
							techniques, materials, methods,			
			Instr Music Ed				and literature for school			
Fall 2007	MUS325	325	Methods III	MUS	Music	2	instrumental music programs.	UG	LE	Lecture
							Materials and methods for choral			
							music education students with			
			Choral				primary focus on elementary and			
Fall 2007	MUS327	327	Methods I	MUS	Music	2	middle school settings.	UG	LE	Lecture
							Materials, techniques,			
							organization, and administration			
							of vocal and general music			
			Music in the				programs in the public school.			
			Elementary				Reading components and			
Fall 2007	MUS328	328	School	MUS	Music	3	teaching strategies included.	UG	LE	Lecture
							Materials and methods for choral			
							general music students with			
			Choral				primary focus on junior high and			
Fall 2007	MUS329	329	Methods II	MUS	Music	2	high school settings.	UG	LE	Lecture

						Materials and methods for choral general music students with			
			Choral			primary focus on high school			
Fall 2007	MUS330	330	Methods III	MUS	Music	2 settings.	UG	LE	Lecture
						Basic baton technique and score			
			Basic			reading for choral and			
Fall 2007	MUS335	335	Conducting	MUS	Music	2 instrumental conducting.	UG	LE	Lecture
						This course is designed to enable	:		
						the student to develop basic			
						knowledge and skills relating to			
						conducting instrumental			
						ensembles in a variety			
			Instrumental			of settings. Combination of			
Fall 2007	MUS336	336	Conducting I	MUS	Music	2 lecture, seminar, and lab.	UG	LE	Lecture
						This course is designed to enable			
						the student to develop			
						intermediate level knowledge			
						and skills relating to conducting			Lecture/La
						instrumental ensembles in a			b
			Instrumental			variety of settings. Combination			Combinatio
Fall 2007	MUS337	337	Conducting II	MUS	Music	2 of lecture, seminar and lab.	UG	LL	n
			Advanced Choral						
			Conducting						
Fall 2007	MUS337L	337L	Lab	MUS	Music	0	UG	LB	Lab
						Continuation of Music 335.			
						Emphasis on rehearsal			
						techniques, comprehensive			
						musicianship, and performance			
						practices. For music majors.			
			Instrumental			Instrumental laboratory			
Fall 2007	MUS338	338	Conducting III	MUS	Music	2 ensemble required.	UG	LE	Lecture
			Adv			·			
			Instrument						
			Conducting						
Fall 2007	MUS338L	338L	Lab	MUS	Music	0	UG	LB	Lab

Fall 2007	MUS339	339	Choral Conducting I	MUS	Music	2	This course is designed to enable the student to develop basic knowledge and skills relating to conducting choral ensembles in a variety of levels and settings. Combination of lecture, seminar, and lab. This course is designed to enable the student to develop basic knowledge and skills relating to conducting choral ensembles in a	UG	LE	Lecture
Fall 2007	MUS340	340	Choral Conducting II	MUS	Music	2	variety of levels and settings. Combination of lecture, seminar, and lab.	UG	LE	Lecture
			Choral		masio	_	This course is designed to enable the student to develop basic knowledge and skills relating to conducting choral ensembles in a variety of levels and settings. Combination of lecture, seminar,			233(4) 0
Fall 2007	MUS341	341	Conducting III	MUS	Music	2	and lab.	UG	LE	Lecture
Fall 2007	MUS342	342	Form & Analysis	MUS	Music	3	Harmonic and formal analysis: motive, phrase, periods, and binary and ternary forms.	UG	LE	Lecture
							Tone quality and ranges of orchestral instruments; voice qualities and ranges of choral ensembles; and written			
Fall 2007	MUS343	343	Orchestration	MUS	Music	2	assignments in each area. This course provides vocal music education majors with functional and technical keyboard skills	UG	LE	Lecture
Fall 2007	MUS355	355	Keyboard Musicianship	MUS	Music	1	needed for successful choral music classroom instruction.	UG	LE	Lecture

							This course provides vocal music			
							education majors with functional			
							and technical keyboard skills			
			Keyboard				needed for successful choral			
Fall 2007	MUS356	356	Musicianship	MUS	Music	1	music classroom instruction.	UG	LE	Lecture
							This course provides vocal music			
							education majors with functional			
							and technical keyboard skills			
			Keyboard				needed for successful choral			
Fall 2007	MUS357	357	Musicianship	MUS	Music	1	music classroom instruction.	UG	LE	Lecture
							Materials and methods for			
							teaching general music in grades			
							K-6. Laboratory session required			
							in addition to regular class			
							meeting times for the purpose of			Lecture/La
			Mthds/Mtrls-				developing skills in sight singing			b
			Tchng Gen				and in the use of traditional			Combinatio
Fall 2007	MUS365	365	Mus K-6	MUS	Music	4	classroom instruments.	UG	LL	n
							Creative writing in smaller forms			
							for a variety of media. Includes			
							the exploration of various			
Fall 2007	MUS371	371	Composition	MUS	Music	3	composition styles.	UG	LE	Lecture
							Creative writing in smaller forms			
Fall 2007	MUS372	372	Composition	MUS	Music	3	for a variety of media.	UG	LE	Lecture
							Creative writing in smaller forms			
							for a variety of media. Includes			
							the exploration of various			
Fall 2007	MUS373	373	Composition	MUS	Music	3	composition styles.	UG	LE	Lecture
							Composition using electronically			
							generated and manipulated			
							sounds. Includes a historical			
			Electronic				survey of styles and an			
			Music				exploration of tape and			
Fall 2007	MUS381	381	Composition	MUS	Music	3	synthesizer techniques.	UG	LE	Lecture
			Electronic Mus							
			Composition							
Fall 2007	MUS381L	381L	Lab	MUS	Music	0		UG	LB	Lab

							1		
						Composition using electronically			
						generated and manipulated			
						sounds. Includes a historical			
			Electronic			survey of styles and an			
			Music			exploration of tape and			
Fall 2007	MUS382	382	Composition	MUS	Music	3 synthesizer techniques.	UG	LE	Lecture
			Electronic Mus						
			Composition						
Fall 2007	MUS382L	382L	Lab	MUS	Music	0	UG	LB	Lab
						Composition using electronically			
						generated and manipulated			
						sounds. Includes a historical			
			Electronic			survey of styles and an			
			Music			exploration of tape and			
Fall 2007	MUS383	383	Composition	MUS	Music	3 synthesizer techniques.	UG	LE	Lecture
			Electronic Mus						
			Composition						
Fall 2007	MUS383L	383L	Lab	MUS	Music	0	UG	LB	Lab
			Studies in						
F 11 0007		000	Selected						
Fall 2007	MUS399	399	Subjects	MUS	Music	Orientation to to add a visc	UG	LE	Lecture
						Orientation to teaching in a			
						pluralistic society and awareness			
						of the total global community.			
						Examination of social and			
			T l. NA			philosophical foundations as they			
F 0007		404	Teach Mus In			relate to teaching music in		. –	
Fall 2007	MUS401	401	Plur Soc	MUS	Music	3 diverse settings and situations.	UG	LE	Lecture
						Methods of scholarly			
			lutus t-			investigation in music history,			
			Intro to			theory, and education; music			
F-II 0007	MUC 44 4	44.4	Research in	NALIC	D 4	bibliography; emphasis on			1
Fall 2007	MUS414	414	Music	MUS	Music	3 individual projects and reports.	UG	LE	Lecture

							For advanced singers in the			
							production of opera; culminates			
							in public performance. Individual			
							coaching for major role			
							assignment. Study and			
							involvement in technical areas of			
							production: set design, building,			Lecture/La
			Opera				properties, and costumes. May			h
			Production				include participation in Dayton			Combinatio
Fall 2007	MUS420	420	and Coaching	MUS	Music	2	Opera productions.	UG	LL	
Fall 2007	1003420	420	and coaching	IVIUS	IVIUSIC		Survey of music theory from	UG	LL	n
							Jean Philippe Rameau to the			
							present. Traces lines of thought			
Fall 2007	MUS424	424	History of	MIC	Music	2	that have had significant	LIC	LE	Looturo
Fall 2007	IVIU3424	424	Music Theory	MUS	Music	3	influence on musical study in the	UG	LE	Lecture
							In depth study of selected topics			
							in Music Theory. Students will			
							be involved in individual faculty-			
							directed projects which			
F 11 0007	1410405	405	Senior Theory				culminate in a class presentation			
Fall 2007	MUS425	425	Seminar	MUS	Music	3	and a research paper.	UG	LE	Lecture
							This course provides multi-age			
							music teachers with reading and			
							writing strategies to help solve			
							problems encountered in grades			
							K-12. Language art skills and			
			Improving Rdg	j.			strategies are taught to help			
			Mus Cntnt				students communicate more			
Fall 2007	MUS430	430	Area	MUS	Music	4.5	effectively across the curriculum.	UG	LE	Lecture
			Canon and							
Fall 2007	MUS431	431	Fugue	MUS	Music	3		UG	LE	Lecture
			Canon and							
Fall 2007	MUS432	432	Fugue	MUS	Music	3		UG	LE	Lecture
							Selection of and research in			
							some of the problems in vocal			
			Canon and				and instrumental teaching and			
Fall 2007	MUS433	433	Fugue	MUS	Music	3	supervision.	UG	LE	Lecture

							Courses in various aspects of the			
							literature of music, such as			
							Symphonic Literature or			
			Studies in				Chamber Literature, or focusing			
			Music				on a composer or nationality.			
Fall 2007	MUS435	435	Literature	MUS	Music		Topics vary.	UG	LE	Lecture
							Introduction to contrapuntal			
							techniques. Exercises in species			
							counterpoint, imitation and fugal			
							devices. Analysis of examples			
							from the Renaissance to the			
Fall 2007	MUS436	436	Counterpoint	MUS	Music		20th century.	UG	LE	Lecture
							Fundamental problems involved			
							in studio teaching. Critical			
							analysis of teaching materials.			
							Observation and practice in			
Fall 2007	MUS441	441	Pedagogy	MUS	Music		private teaching required.	UG	LE	Lecture
							Fundamental problems involved			
							in studio teaching. Critical			
							analysis of teaching materials.			
							Observation and practice in			
Fall 2007	MUS442	442	Pedagogy	MUS	Music		private teaching required.	UG	LE	Lecture
							This course is designed to make			
							students familiar with			
							physiological and psychological			
							aspects of voice so they will			
							better understand their own			
			Vocal				instruments and will be better			
Fall 2007	MUS443	443	Pedagogy I	MUS	Music		equipped to teach others.	UG	LE	Lecture
							A continuation of the			
			Vocal				physiological and psychological			
Fall 2007	MUS444	444	Pedagogy II	MUS	Music		aspects of vocal student	UG	LE	Lecture
			Medieval &				Includes critical analysis of			
- u 000-			Renaissance				representative works from major			
Fall 2007	MUS446	446	Music	MUS	Music		composers.	UG	LE	Lecture
							Includes critical analysis of			
E 11 000=		4.4-		N 41 1 C			representative works from major			
Fall 2007	MUS447	447	Baroque Music	MUS	Music	3	composers.	UG	LE	Lecture

			Classic and				Includes critical analysis of			
			Romantic				representative works from major			
Fall 2007	MUS448	448	Music	MUS	Music	3	composers.	UG	LE	Lecture
			Music Since							
Fall 2007	MUS449	449	1900	MUS	Music	3		UG	LE	Lecture
							Historical survey of music for			
							piano from origins in clavichord			
							and harpsichord in the			
			Piano				Renaissance through the 20th			
Fall 2007	MUS451	451	Literature	MUS	Music	3	century.	UG	LE	Lecture
							Historical survey of music for			
							piano from origins in clavichord			
							and harpsichord in the			
			Piano				Renaissance through the 20th			
Fall 2007	MUS452	452	Literature	MUS	Music	3	century.	UG	LE	Lecture
							Historical survey of music for			
							piano from origins in clavichord			
							and harpsichord in the			
			Piano				Renaissance through the 20th			
Fall 2007	MUS453	453	Literature	MUS	Music	3	century.	UG	LE	Lecture
							Survey of vocal literature from			
							the 18th through the 20th			
							century emphasizing German			
							lieder, French melodie, English			
			Vocal				and American art songs, opera,			
Fall 2007	MUS455	455	Literature	MUS	Music	3	and oratorio. For music majors	UG	LE	Lecture
							Survey of vocal literature from			
							the 18th through the 20th			
							century emphasizing German			
							lieder, French melodie, English			
			Vocal				and American art songs, opera,			
Fall 2007	MUS456	456	Literature	MUS	Music	3	and oratorio. For music majors	UG	LE	Lecture
							Survey of vocal literature from			
							the 18th through the 20th			
							century emphasizing German			
							lieder, French melodie, English			
			Vocal				and American art songs, opera,			
Fall 2007	MUS457	457	Literature	MUS	Music	3	and oratorio. For music majors	UG	LE	Lecture

							Music in the United States from 1620 to the present, with			
			American				emphasis on national idioms and			
Fall 2007	MUS461	461	Music	MUS	Music	3	native composition.	UG	LE	Lecture
1 411 2007		101	ivide io		Masio		Study of computer technology			200141.0
							and music software applications.			
							Emphasis is placed upon using			
			Computer				MIDI for electronic score			
			Applications in				notation, sequencing, and basic			
Fall 2007	MUS465	465	Music	MUS	Music	3	courseware design.	UG	LE	Lecture
							Creative writing that			
							encompasses a variety of media			
							and forms. Includes style			
			Advanced				exploration and the development			
Fall 2007	MUS471	471	Composition	MUS	Music	3	of a personal style.	UG	LE	Lecture
			•				Creative writing that			
							encompasses a variety of media			
							and forms. Includes style			
			Advanced				exploration and the development			
Fall 2007	MUS472	472	Composition	MUS	Music	3	of a personal style.	UG	LE	Lecture
							Creative writing that			
							encompasses a variety of media			
							and forms. Includes style			
			Advanced				exploration and the development			
Fall 2007	MUS473	473	Composition	MUS	Music	3	of a personal style.	UG	LE	Lecture
							Study of selected special topics			
							or problems in music, or special			
			Workshops in				areas of music teaching. Titles			
Fall 2007	MUS480	480	Music	MUS	Music	1	vary.	UG	LE	Lecture
							Directed research. May be taken			
			Adv Studies in				for a letter grade or			
Fall 2007	MUS481	481	Spec Subjects	MUS	Music	1	pass/unsatisfactory.	UG	LE	Lecture
							Methods of investigation in			
							music; use of music			
			Intro-				bibliography; problems of			
			Graduate				collecting and evaluating			
Fall 2007	MUS601	601	Studies-Music	MUS	Music	4	information; and reporting of	GR	LE	Lecture

			Intro-Mus Ed			Materials, techniques, curriculum for teaching music to the special			
F-II 2007	MUC/OF	/ 25	for Spec	MUC	D.A	learner in public/private school	CD		
Fall 2007	MUS635	635	Learner	MUS	Music	4 music programs. Analytical study of representative	GR	LE	Lecture
						compositions of the twentieth			
						century.			
						Study of contrapuntal techniques			
						with practical application in			
						writing and analysis.			
Fall 2007	MUS636	636	Counterpoint	MUS	Music	3	GR	LE	Lecture
1 411 2007	WOOOOO	000	oodine point	IVIOO	Widsio	The purpose of this course is to	OI C	LL	Lootaro
						make the students familiar with			
						the physiological and			
						psychological aspects of the			
						voice so they will better			
						understand their own instrument			
			Vocal			and be better equipped to teach			
Fall 2007	MUS643	643	Pedagogy I	MUS	Music	each others.	GR	LE	Lecture
						A continuation of MUS 643.			
						during this second quarter of			
						instruction, each student will be			
			Vocal			required to teach at least one			
Fall 2007	MUS644	644	Pedagogy II	MUS	Music	2 private student.	GR	LE	Lecture
			Medieval and			Includes critical analysis of			
			Renaissance			representative works from major			
Fall 2007	MUS646	646	Music	MUS	Music	3 composers.	GR	LE	Lecture
						Includes critical analysis of			
- u 0007						representative works from major	0.0		
Fall 2007	MUS647	647	Baroque Music	MUS	Music	3 composers.	GR	LE	Lecture
			Classic &			Includes critical analysis of			
Fall 2007	MUCAAO	4.40	Romantic	MIIC	Music	representative works from major	CD	ır	Locture
Fall 2007	MUS648	648	Music	MUS	Music	3 composers.	GR	LE	Lecture
			Music Since			Includes critical analysis of			
Fall 2007	MUS649	649	1900	MUS	Music	representative works from major	GR	LE	Lecture
Fall 2007	10103049	047	1700	IVIUS	IVIUSIC	3 composers.	GK	LE	Lecture

						Production of opera; public			
						performance and individual			
						l '			
						coaching. For advanced singers. At the discretion of the instructor			
			Opera						
			Opera			course requirements may include			
F - II 0007	MUCATO	450	Production	NALIC	N. 4	participation in Dayton Opera	CD.		Lanton
Fall 2007	MUS650	650	and Coaching	MUS	Music	2 productions.	GR	LE	Lecture
						Historical survey of music for			
						piano from origins in clavichord			
			D'			and harpsichord in the			
F 11 0007	1410754		Piano			Renaissance through the	0.0		
Fall 2007	MUS651	651	Literature	MUS	Music	3 twentieth century.	GR	LE	Lecture
						Historical survey of music for			
						piano from origins in clavichord			
			D'			and harpsichord in the			
- U 0007			Piano			Renaissance through the	0.0		
Fall 2007	MUS652	652	Literature	MUS	Music	3 twentieth century.	GR	LE	Lecture
						A study of selected intermediate-			
						level piano music written by			
						major composers and chosen to			
			D'			illustrate chronological sequence			
F-II 2007	MUC/FO	/ F 2	Piano	MUC	N. 4	and characteristics of important	CD	. –	Lastina
Fall 2007	MUS653	653	Literature	MUS	Music	3 nationalities.	GR	LE	Lecture
						Survey of vocal literature from			
						the 18th through the 20th			
						century emphasizing German			
			Manal			Lieder, French melodie, English			
F - II 0007	MUCAEE	,	Vocal	NALIC	N. 4	and American art song, opera,	CD.		1
Fall 2007	MUS655	655	Literature I	MUS	Music	3 and oratorio.	GR	LE	Lecture
						Survey of vocal literature from			
						the 18th through the 20th			
						century emphasizing German			
			Manal			Lieder, French melodie, English			
F-II 0007	MUCATA	, , ,	Vocal	NALIC	N. 4 ' -	and American art song, opera,	CD		1 +
Fall 2007	MUS656	656	Literature II	MUS	Music	3 and oratorio.	GR	LE	Lecture

							Survey of vocal literature from			
							the 18th through the 20th			
							century emphasizing German			
							Lieder, French melodie, English			
			Vocal				and American art song, opera,			
Fall 2007	MUS657	657	Literature III	MUS	Music	3	and oratorio.	GR	LE	Lecture
			Computer							
			Applications in							
Fall 2007	MUS665	665	Music	MUS	Music	3		GR	LE	Lecture
							Selected topics or problems in			
			Workshops in				music, or special areas of music			
Fall 2007	MUS680	680	Music	MUS	Music	1	teaching. Titles vary.	GR	LE	Lecture
			Adv Studies in							
			Special				May be taken for letter grade or			Independe
Fall 2007	MUS681	681	Subject	MUS	Music	1	pass/unsatisfactory.	GR	IS	nt Study
			Adv Studies in							
			Special							Independe
Fall 2007	MUS682	682	Subject	MUS	Music	1		GR	IS	nt Study
			Adv Studies in							
			Special							Independe
Fall 2007	MUS683	683	Subject	MUS	Music	1		GR	IS	nt Study
							Historical, philosophical, and			
							psychological foundations of			
							music education. Principles			
			Foundations &				applied to theoretical and			
			Prin of Music				practical problems of music			
Fall 2007	MUS704	704	Ed	MUS	Music	4	education.	GR	LE	Lecture
							Function of the supervisor of			
							music in the public school.			
							Curricula, testing programs, in-			
			Supervision &				service training, teaching aids,			
F-II 0007	MUC70/	707	Admin-Schl	MUC	D. G. v. a. l. a.	_	school-community relationships,	CD		Lastone
Fall 2007	MUS706	706	Mus	MUS	Music	3	and budget.	GR	LE	Lecture
							Problems, objectives, and			
			Contonano				current practices in music			
			Contemporary				education. Contemporary			
Eall 2007	MUS707	707	Trends-Music Ed	MUS	Music	า	theories of learning applied to	GR	LE	Locturo
Fall 2007	10103707	101	EU	INIO2	IVIUSIC	3	music education. The arts in	GK	LE	Lecture

			Advanced Choral			Technique and practice of choral conducting and score preparation. Choral music literature suitable for high school			
Fall 2007	MUS711	711	Conducting	MUS	Music	3 and college groups.	GR	LE	Lecture
						Technique and practice of			
						instrumental conducting and			
			Adv			score preparation. Instrumental			
E !! 0007		740	Instrumental			literature suitable for high school	0.5		
Fall 2007	MUS712	712	Conducting	MUS	Music	3 and college groups.	GR	LE	Lecture
						Critical study of large group and			
						ensemble literature from 1500 to			
			Choral			present. Rehearsal techniques			
			Literature &			and performance practices. Selection of literature and			
Fall 2007	MUS713	713	Techniques	MUS	Music	3 programming.	GR	LE	Lecture
Fall 2007	1003/13	/13	recririques	IVIUS	IVIUSIC	Critical study of large group and	GK	LE	Lecture
						ensemble literature. Rehearsal			
			Instrumental			techniques and performance			
			Literature &			practices. Selection of literature			
Fall 2007	MUS714	714	Tech	MUS	Music	3 and programming.	GR	LE	Lecture
						Contemporary practices in			
			Trend in			elementary school music.			
			Elementary			Creative approaches and			
Fall 2007	MUS716	716	Music	MUS	Music	3 techniques; use of new	GR	LE	Lecture
						Philosophies, objectives,			
						techniques, and materials. The			
						listening program, the changing			
			Gen Music-Mid			voice, and creative activities in			
			& Jr High			music for the adolescent and pre-			
Fall 2007	MUS717	717	School	MUS	Music	3 adolescent years.	GR	LE	Lecture
						Exploration of relationships			
						between music and other arts.			
						Consideration of works of art in			
						terms of social, political,			
			Teaching			religious, economic, and			
E 11 6555		746	Music &			philosophical implications;	0.5		
Fall 2007	MUS718	718	Humanities	MUS	Music	3 teaching the arts as a humanistic	GR	LE	Lecture

		Mus Since				Critical study of music of the Twentieth Century, with			
								_	
MUS721	721	Prgrm	MUS	Music	3		GR	LE	Lecture
						1			
						, ,			
		U							
MUS722	722	Techniques	MUS	Music	3	· · · · · · · · · · · · · · · · · · ·	GR	LE	Lecture
						1			
						common practice through the			
		Theory of				twentieth century with emphasis			
MUS731	731	Music	MUS	Music	3	on four-part homophonic writing.	GR	LE	Lecture
						Sight singing and aural			
						recognition of melodic,			
						harmonic, and rhythmic			
						components in music from the			
MUS732	732	Ear Training	MUS	Music	1	common practice to the present.	GR	LE	Lecture
						Analytical study of representative			
		Analytical							
MUS733	733	Techniques I	MUS	Music	3		GR	LE	Lecture
		-							
		Analytical				, ,			
MUS734	734	,	MUS	Music	3	•	GR	LE	Lecture
		1 1 1							
		Analytical				_ ·			
MUS735	735	,	MUS	Music	3		GR	l F	Lecture
	. 00								200141.0
		Band and							
MUS741	741		MUS	Music	ર		GR	l F	Lecture
	7 1 1		00	THE STO			J. (Lootaro
MUS742	742	Arranging	MUS	Music	2	common to schools, grades 6-12.	GR	LE	Lecture
	MUS732 MUS733 MUS734 MUS735	MUS722 722 MUS731 731 MUS732 732 MUS733 733 MUS734 734 MUS735 735 MUS741 741	MUS721 721 Prgrm Marching Band Techniques MuS731 731 Theory of Music MUS732 732 Ear Training MUS733 733 Techniques I MUS734 734 Analytical Techniques II MUS735 735 Techniques III MUS741 741 Arranging Choral	MUS721 721 Prgrm MUS Marching Band Techniques MUS MUS731 731 Theory of Music MUS MUS732 732 Ear Training MUS MUS733 733 Analytical Techniques I MUS MUS734 734 Analytical Techniques II MUS MUS735 735 Techniques III MUS MUS731 731 Analytical Techniques III MUS MUS732 Analytical Techniques III MUS MUS734 734 Analytical Techniques III MUS MUS735 735 Choral MUS	MUS721 721 Prgrm MUS Music Marching Band Techniques MUS Music Mus722 722 Theory of Music Music MUS731 731 Music Music Music MUS732 732 Ear Training MUS Music Mus733 733 Techniques I Mus Music Mus734 734 Analytical Techniques II Music Music Mus735 735 Analytical Techniques III Music Music Mus731 731 Music Music Analytical Techniques III Music Music Analytical Techniques III Music Music Band and Orchestral Arranging Music Choral	MUS721 721 Prgrm MUS Music 3 MUS722 722 Marching Band Techniques MUS Music 3 MUS731 731 Music MUS Music 3 MUS732 732 Ear Training MUS Music 1 MUS733 733 Techniques I MUS Music 3 MUS734 734 Techniques II MUS Music 3 MUS735 735 Techniques III MUS Music 3 MUS741 741 Arranging MUS Music 3 MUS741 741 Arranging MUS Music 3	Mus Since 1990-Gen Mus Mus Since 1990-Gen Mus Prgrm Mus Music 3 for Grades K-12. Advanced study of various marching band styles and techniques. Adopting drum corps techniques. Selection of materials. Writing shows. Field 3 planning and production. Written and analytical skills relating to music of period of common practice through the twentieth century with emphasis 3 on four-part homophonic writing. Sight singing and aural recognition of melodic, harmonic, and rhythmic components in music from the components in music from the Analytical Mus732 732 Ear Training Mus Mus Music 1 common practice to the present. Analytical study of representative compositions of the Middle Ages, Analytical study of representative compositions of the Classical and Mus734 734 Techniques II Mus Music 3 Romantic periods. Analytical study of representative compositions of the Classical and Analytical study of representative compositions of the Classical and Corbestral instrumentation; scoring of transcriptions and original Mus741 741 Arranging Mus Music 3 Romantic periods. Arranging for choral ensembles	Mus Since 1990-Gen Mus Mus Since 1990-Gen Mus Music Music 3 for Grades K-12. Advanced study of various marching band styles and techniques. Adopting drum corps techniques. Selection of materials. Writing shows. Field Marching Band Music Marching Band Music Music Techniques Music M	MuS Since 1990-Gen Mus MuSic Twentieth Century, with techniques of teaching this music 3 for Grades K-12. GR LE Advanced study of various marching band styles and techniques. Selection of materials. Writing shows. Field a planning and production. GR LE MuS722 722 Techniques MuS Music 3 planning and production. GR LE Theory of Music Music 3 planning and production. GR LE Theory of Music Music 3 on four-part homophonic writing. GR LE Sight singing and aural recognition of melodic, harmonic, and rhythmic components in music from the components in music from the components in music from the components in music from the components in music from the components in music from the components in music from the components in music from the components in music from the components in music from the components in music from the components in music from the components in music from the components in music from the components in music from the components in music from the components in music from the components in music from the compositions of the Middle Ages, 3 Renaissance, and Baroque GR LE Analytical Study of representative compositions of the Classical and 3 Romantic periods. GR LE MuS734 734 Techniques II MUS Music 3 Romantic periods. GR LE MuS735 735 Techniques III MUS Music 3 since 1900. GR LE Band and Orchestral instrumentation; scoring of transcriptions and original instrumentation; scoring of transcriptions and original Scompositions of the Classical end and porchestral instrumentation; scoring of transcriptions and original Scompositions of the Classical end Arranging for choral ensembles

						Advanced course in techniques,			
						practices, and materials for			
						group and individual instruction.			
						Musical styles and interpretation.			
						Performance in instruments or			
Fall 2007	MUS780	780	Pedagogy	MUS	Music	1 voice. Titles vary.	GR	LE	Lecture
			Continuing						Independe
Fall 2007	MUS789	789	Registration	MUS	Music	1	GR	IS	nt Study
									Independe
Fall 2007	MUS799	799	Thesis	MUS	Music	1	GR	IS	nt Study
			Student-						
			Initiated						
Fall 2007	NRL800	800	Elective	NRL	Neurology	4	MD	CL	Clinical
			Sleep						
Fall 2007	NRL803	803	Disorders	NRL	Neurology	4	MD	CL	Clinical
			Neuroscience						
Fall 2007	NRL891	891	Clerkship	NRL	Neurology	16	MD	CL	Clinical
Fall 2007	NRL900	900	Extramural	NRL	Neurology	4	MD	Н	Hospital
			Nursing						Independe
Fall 2007	NUR114	114	elective	NUR	Nursing	2 Special topics.	UG	IS	nt Study
					3	Explores history of nursing, its			
						response to society, and			
						evolution of contemporary			
						nursing. Emphasizes past,			
			Intro to			present, and future roles based			
			Professional			on selected concepts, models,			
Fall 2007	NUR209	209	Nursing	NUR	Nursing	4 and theories within the health	UG	LE	Lecture
						Introduction to trends and issues			
						of informatics in nursing and			
						health care with an emphasis on			
						effective use of hardware and			Lecture/La
			Intro to			software in information			b
			Nursing			technology. Laboratory			Combinatio
Fall 2007	NUR210	210	Informatics	NUR	Nursing	2 experience included.	UG	LL	n

			Nursing- Health &			Emphasizes concepts, models, theories, and methodologies consistent with a philosophy of health and wellness. Incorporates self-directed			
Fall 2007	NUR212	212	Wellness Life	NUR	Nursing	activities to promote maximum 4 health in self and others.	UG	LE	Lecture
1 411 2007	NONZIZ	212	Writing in NUR	NOIC	ruarsing	Required writing component for	00		Lecture
Fall 2007	NUR212W	212W	212	NUR	Nursing	0 NUR 212.	UG	LB	Lab
			Hith Assesmen Accross			Focuses on skills and related concepts basic to clinical practice. Integrates health assessment skills into nursing care and development of nursing diagnosis. Communication for			
Fall 2007	NUR217	217	Lifespan	NUR	Nursing	6 documentation of data base is	UG	LE	Lecture
Fall 2007	NUR217C	217C	Nursing Clinicals Hlth	NUR	Nursing	0	UG	LB	Lab
Fall 2007	NUR217L	217L	Assesment Acrss Lfspn Lab	NUR	Nursing	0	UG	LB	Lab
			Intro to Clinical			Focuses on skills and related concepts basic to clinical practice. Integrates health assessment skills into nursing care and development of nursing diagnosis. Communication for			
Fall 2007	NUR218	218	Nursing	NUR	Nursing	6 documentation of data base is	UG	LE	Lecture
Fall 2007	NUR218C	218C	Intro to Clinical NSG Clin.	NUR	Nursing	0	UG	LB	Lab
			Intro to						
Fall 2007	NUR218L	218L	Clinical Nursing Lab	NUR	Nursing	0	UG	LB	Lab
Fall 2007	NUR218W	218W	Writing in NUR 218	NUR	Nursing	Required writing component for NUR 218.	UG	LB	Lab

F. II 2007	NII IDOO 4	204	Found in Nursing	MID		Introduces the basic elements of the research process. Emphasizes the critique and application of research findings to professional nursing practice.	Ш		
Fall 2007	NUR304	304	Research	NUR	Nursing	1 Prerequisite: NUR 218, STT 160 Examines the theoretical basis of	UG	LE	Lecture
						ethical decision making and legal			
						elements of professional nursing			
			Lgl & Ethical			practice. Prepares the student			
			Fndtns-Nrsg			for clinical application experience			
Fall 2007	NUR305	305	Prac	NUR	Nursing	3 in succeeding courses.	UG	LE	Lecture
						Focuses on the relationship of			
						normal body functioning and the			
						physiological changes that occur			
						as a result of illness including the			
						body's compensatory			
			Concepts-			mechanisms. Emphasis is placed			
Fall 2007	NUR306	306	Altered Health Status	NUR	Numaina	on alterations in body function	UG	LE	Lootura
Fall 2007	NURSUO	306	Status	NUK	Nursing	and system/organ failure. Foundational course in family	UG	LE	Lecture
						development from the			
						perspective of family nursing			
						science. Explores impact of			
						environmental influences on			
						family health. Theoretical			
						frameworks guiding the culturally			
			Fndtns of Fam			sensitive study and practice of			
Fall 2007	NUR307	307	& Group Nrsg	NUR	Nursing	4 group work will be examined.	UG	LE	Lecture
						Introductory course oriented			
						toward the continued			
						socialization of the professional			
						nurse with synthesis of concepts,			
						theories, processes, and models			
			Theories &			to facilitate transition into			
Fall 2007	MILIDAGO	200	Concepts-Prof	NILID	N. rain a	professional nursing. For	LIC		Looture
Fall 2007	NUR308	308	Nrsg	NUR	Nursing	5 registered nurses only.	UG	LE	Lecture

			Selected						
Fall 2007	NUR317	317	Topics	NUR	Nursing	3 Topics vary.	UG	LE	Lecture
						A clinical course which focuses			
						on adults across the lifespan			
						with altered health states.			
			Adult Health &			Emphasis is on providing			
Fall 2007	NUR321	321	Illness	NUR	Nursing	7 secondary preventive care in a	UG	LE	Lecture
-			Nursing						
Fall 2007	NUR321C	321C	Clinicals	NUR	Nursing	0	UG	LB	Lab
						A clinical course focusing on the			
						understanding and application of			
i			Nrsg Care of			selected concepts related to the			
			Childbearing			childbearing family in the			
Fall 2007	NUR322	322	Fam	NUR	Nursing	7 maternity cycle.	UG	LE	Lecture
1			Nursing						
Fall 2007	NUR322C	322C	Clinicals	NUR	Nursing	0	UG	LB	Lab
						A clinical course focusing on			
						children and adolescents in			
			Nrsg Care of			families with a variety of health			
			Childbearing			states in various health care			
Fall 2007	NUR323	323	Fam	NUR	Nursing	7 settings.	UG	LE	Lecture
			Nursing						
Fall 2007	NUR323C	323C	Clinicals	NUR	Nursing	0	UG	LB	Lab
			Writing in NUR						
Fall 2007	NUR323W	323W	323	NUR	Nursing	0	UG	LB	Lab
						Examines theories, trends, and			
						research in gerontological			
						nursing. Examines the aging self,			
						holistic health and independent			
						function, hospitalization, and			
			Nrsg care of			nursing management of illness in			
			Aging/Aged			the aged. Explores advocacy for			
Fall 2007	NUR324	324	Fam	NUR	Nursing	7 vulnerable aged.	UG	LE	Lecture
			Nursing						
Fall 2007	NUR324C	324C	Clinicals	NUR	Nursing	0	UG	LB	Lab

					Examines theories, trends, and			
					research in gerontological			
					o o			
					nursing. Examines the healthy			
					aged, holistic health and			
					independent function,			
					hospitalization and nursing			
		Nrsg Care of			management of illness in the			
		Aging/Aged			aged. Explores advocacy for			
Fall 2007	NUR405 405		NUR	Nursing	3 vulnerable aged.	UG	LE	Lecture
		Writing in NUR			Required writing component for			
Fall 2007	NUR405W 405	5W 405	NUR	Nursing	0 NUR 405.	UG	LB	Lab
					Examines global aspects of the			
					social, political, legal, ethical,			
					and environmental issues			
					influencing health care, health			
					policy, and advancement of the			
					nursing profession. Professional			
		Ctnmpry Nrsg			issues confronting contemporary			
Fall 2007	NUR406 406	Iss & Hith Picy	NUR	Nursing	2 nursing are emphasized.	UG	LE	Lecture
					Examination of theories and			
					strategies of leadership and			
		Nrsg Ldrshp &			management in the realm of			
Fall 2007	NUR407 407	7 Mgt Hlth Care	NUR	Nursing	2 health care.	UG	LE	Lecture
		Nursing						
Fall 2007	NUR414 414	4 Elective	NUR	Nursing	1 Topics vary.	UG	LE	Lecture
		Writing in						
Fall 2007	NUR414W 414	4W Nursing	NUR	Nursing	0	UG	LB	Lab
					Faculty-directed, individualized			
		Independent			study on student-selected topics.			Independe
Fall 2007	NUR415 415	5 Study	NUR	Nursing	1 Permission of faculty required.	UG	IS	nt Study

Fall 2007	NUR421	421	Nursing - Mental Health System	NUR	Nursing	Focuses on primary, secondary, and tertiary prevention of mental health problems with individuals, families, and groups. Foundations of psychosocial nursing practice are developed. Cultural, biosocial, and sociopolitical forces affecting mental health systems are	UG	LE	Lecture
			Nrsg in Mental						
Fall 2007	NUR421C	421C	Hlth Sys Clin.	NUR	Nursing	0	UG	LB	Lab
			Nursing in Community			Clinical course integrating nursing and public health concepts/trends to assess community health needs. Primary, secondary, and tertiary prevention for health of individuals, families, groups, and communities affected by social,			
Fall 2007	NUR422	422	Hlth Sys	NUR	Nursing	7 political, and environmental	UG	LE	Lecture
Fall 2007	NUR422C	422C	Nrsg in Com Health Sys Clin.	NUR	Nursing	0	UG	LB	Lab
			Writing in NUR			Required writing component for NUR 422.			
Fall 2007	NUR422W	422W	422	NUR	Nursing	0	UG	LB	Lab
Fall 2007	NUR423	423	High Actvty Nrsg-Cplx Hlth Sys	NUR	Nursing	A clinical course focusing on individuals experiencing life-threatening physiological crises. Integrates physiological, family, and community knowledge with concepts of high acuity care in a variety of settings.	UG	LE	Lecture
Fall 2007	NUR423C	423C	Nursing Clinicals	NUR	Nursing	0	UG	LB	Lab

						Clinical course which assists			
						students in integration of theory			
						and practice with emphasis on			
						complexity of design and			
						management of nursing care for			
						individuals, families, and groups.			
						Provides concentrated clinical			
			Synthesis			practice in selected clinical areas.			
			Practicum-Prof			180 hours of clinical to be			
Fall 2007	NUR424 4			NUR	Nursing	10 arranged.	UG	SE	Seminar
1 411 2007	NORTZ4 4	727	TVI 39	NOR	ivarsing	Integration of theories and	00	JL	Scriiiiai
						concepts for transition into			
			Synthesis			professional practice with the			
			Practicum-Prof			evolution of a personal			
Fall 2007	NUR425 4		Nrsg	NUR	Nursing	4.5 philosophy of nursing.	UG	SE	Seminar
1 411 2007	1401(120		Writing in NUR		runsing	ind prindsoprity of marsing.		OL.	Germinar
Fall 2007	NUR425W 4		425	NUR	Nursing	0	UG	LB	Lab
			Clncl Nrsg						
			I:Fndtns:Adult						
Fall 2007	NUR441 4	41	s Age	NUR	Nursing	9	UG	LE	Lecture
			Clncl Nrsg						
			2:Adlts II&Hi						
Fall 2007	NUR442 4			NUR	Nursing	12	UG	LE	Lecture
			Clncl Nrsg						
			3:Chldbrng&C						
Fall 2007	NUR443 4		hldrng	NUR	Nursing	9	UG	LE	Lecture
			Writing in NUR			Required writing component for			
Fall 2007	NUR443W 4		443	NUR	Nursing	0 NUR 443.	UG	LB	Lab
			Clncl Nrsg						
			4:Cmmnty &						
Fall 2007	NUR444 4	144	Mntl Hlt	NUR	Nursing	9	UG	LE	Lecture
						Clinical course assisting students			
						to integrate theory and practice;			
						emphasis on complexity of			
						design and management of			
			Clncl Nrsg			nursing care for individuals,			
			5:Synthesis			families and groups.			
Fall 2007	NUR445 4	45	Prctcm	NUR	Nursing	10 Concentrated clinical practice in	UG	LE	Lecture

							Introduction to role and practice of nurses in providing care during childbearing. Professional standards of practice, nursing skills, diagnoses and			
							interventions and evaluation			
Fall 2007	NUR446	446	Clin NSG Child	NUR	Nursing	4	related to professional standards of practice.	UG	LE	Lecture
Fall 2007	NUK440	440	Bearing	NUK	Nursing	0	Introduction to role and practice	UG	LE	Lecture
							of nurses in providing care			
							during childrearing. Professional			
							standards of practice, nursing			
							skills, diagnoses and			
							interventions and evaluation			
			Clin NSG				related to professional standards			
Fall 2007	NUR447	447	Childrearing	NUR	Nursing	6	of practice.	UG	LE	Lecture
F-II 0007	NU ID 4 4714	4.47147	Writing in	NUID	Niconstruct	0			LD	1 -1-
Fall 2007	NUR447W	44 / VV	Nursing	NUR	Nursing	0	Introduction to role and practice	UG	LB	Lab
							of providing nursing care related			
							to mental health including skills,			
							diagnoses, interventions and			
			Clin NSG				evaluation related to professional			
Fall 2007	NUR448	448	Mental Health	NUR	Nursing	6	standards.	UG	LE	Lecture
							Introduction to role and practice			
							of providing nursing care related			
			Oli NOO				to community health including			
			Clin NSG				nursing skills, diagnoses, interventions and evaluation			
Fall 2007	NUR449	449	Community HIth	NUR	Nursing	6	related to professional	UG	LE	Lecture
1 411 2007	11011447	7 7 7	Writing in	INOIN	ivarsing	0	related to professional	00	LL	Lecture
Fall 2007	NUR449W	449W	Nursing	NUR	Nursing	0		UG	LB	Lab
			Lgl,Ethcl &	-						
			Prof Fndtns							
Fall 2007	NUR450	450	Nsg Pr	NUR	Nursing	3		UG	LE	Lecture

Fall 2007	NUR452	452	Beacon Seminar 2	NUR	Nursing	Seminar on role of nurses in meeting national health goals in caring for clients during childbearing and childrearing. Guidelines for practice and success strategies in caring for 1 self and others.	UG	SE	Seminar
Fall 2007	NUR453	453	Beacon Seminar 3	NUR	Nursing	Seminar on role of nurses in meeting national goals in caring for clients in third quarter clinical settings. Guidelines for practice and success strategies in caring 1 for self and others.	UG	SE	Seminar
			Beacon		g	Seminar on role of nurses in meeting national health goals in fourth quarter clinical settings. Guidelines for practice and success strategies in caring for		02	551111161
Fall 2007	NUR454	454	Seminar 4 Beacon	NUR	Nursing	1 self and others. Seminar on synthesis of theory and practice, emphasis on case studies applied to standards of nursing care and professional performance.	UG	SE	Seminar
Fall 2007	NUR455	455	Seminar 5 Advanced Health	NUR	Nursing	Expands RN s knowledge of history taking and physical assessment as it relates to clients across the lifespan and in a variety of settings. RNs	UG	SE	Seminar Lecture/La b Combinatio
Fall 2007	NUR462	462	Assessment	NUR	Nursing	3	UG	LL	n

			Nursing			Students discuss selected problems, issues, and special topics related to nursing that are not covered in depth during the usual curriculum. Students identify an area of interest and			
E !! 0007	NUID 400	400	Honors			develop a project proposal for in-		0.5	
Fall 2007	NUR498	498	Seminar	NUR	Nursing	2 depth study.	UG	SE	Seminar
						Provides an opportunity for development and completion of an honors project using theories			
						and concepts from the			
			Ni			humanities, sciences, and			
			Nursing Honor			nursing. With guidance of a			Indonanda
Fall 2007	NUR499	499	Indpendent Study	NUR	Nursing	faculty member, students focus 1 on an area of individual study.	UG	IS	Independe
raii 2007	NUK499	499	Selected	NUK	Nursing	Special topics. For nursing	UG	13	nt Study
Fall 2007	NUR614	614	Topics	NUR	Nursing	1 majors only.	GR	LE	Lecture
1 411 2007	NORO14	014	Selected	NON	ivursirig	i majors only.	GK	LL	Lecture
Fall 2007	NUR617	617	Topics	NUR	Nursing	2 Special topics.	GR	LE	Lecture
						Roles and responsibilities of school nurses in Ohio. Overview of national trends in school nursing. Emphasis on preparing an individual to assume the role			
Fall 2007	NUR640	640	School Nursing	NUR	Nursing	2 of school nurse.	GR	LE	Lecture
			Children with			Roles and responsibilities of the nurse in caring for children with special needs in the school			
Fall 2007	NUR641	641	Special Needs	NUR	Nursing	1 setting.	GR	LE	Lecture
			Hlth Assmnt Child/Adols-			Health assessment course with emphasis on health history and physical assessment of children and adolescents in the school			
Fall 2007	NUR642	642	School	NUR	Nursing	2 setting.	GR	LE	Lecture
			School Nursing			Application of roles and responsibilities of school nurses			
Fall 2007	NUR643	643	Practicum	NUR	Nursing	1 in Ohio.	GR	SE	Seminar

						Exploration of the art, principles,			
						and strategies of promoting			
						health in the school setting.			
			Health			Examination of existing			
			Promotion-			community-based materials			
Fall 2007	NUR644	644	School Nrsg	NUR	Nursing	1 available for school nurse use.	GR	LE	Lecture
Fall 2007	NUK044	044	Scrioor ivisy	NUK	ivursiriy		GR	LE	Lecture
						Critical analysis of components, methodology, and state-of-the-			
			Research			63			
						art research. Application of the			
F-II 2007	NUIDZOZ	707	Design &	NILID	Ni	research process in developing a	CD	. –	1 4
Fall 2007	NUR707	707	Methods	NUR	Nursing	4 research proposal.	GR	LE	Lecture
						Analysis of nursing and other			
						selected concepts, models, and			
						theories as related to nursing			
						practice, administration, and			
			Theoretical			education. Emphasis on			
			Fndtns for			development and application to			
Fall 2007	NUR708	708	Nursing	NUR	Nursing	4 nursing science.	GR	LE	Lecture
			Selected			Advanced study of various			
Fall 2007	NUR714	714	Topics	NUR	Nursing	1 topics. Titles vary.	GR	LE	Lecture
						Faculty-directed, individualized			
			Independent			study in topics selected by the			Independe
Fall 2007	NUR715	715	Study	NUR	Nursing	1 students.	GR	IS	nt Study
						Family science and nursing			
						theories are used as frameworks			
						to assess and analyze family			
						functioning including health			
						promotion and risk identification			
						of families experiencing health			
			Adv Practice			issues. Therapeutic			
			of Family			interventions are discussed			
Fall 2007	NUR716	716	Nursing	NUR	Nursing	2 including multidisciplinary	GR	LE	Lecture

						Observation, participation, and			
						practice in area of clinical			
						specialization. Seminars			
						•			
						synthesize previous learning with			
						application to the role of the			
			5 .:			advanced practice nurse. Clinical			
			Practicum-			practicum required. Graduate			
F !! 0007		700	Adult Hlth &			standing in the College of	0.0	0.5	
Fall 2007	NUR723	723	Illness	NUR	Nursing	6 Nursing and Health required.	GR	SE	Seminar
						Use of primary care and			
						advanced practice concepts in			
						the care of adult clients			
			Adult Health &			experiencing changes in their bio-			
Fall 2007	NUR724	724	Illness I	NUR	Nursing	6 psycho-social-spiritual being.	GR	LE	Lecture
						Examination and application of			
						models for advanced practice			
						roles. Use of primary care and			
			Adult Health &			advanced practice concepts in			
Fall 2007	NUR725	725	Illness II	NUR	Nursing	6 the care of adult clients.	GR	LE	Lecture
						Application of clinical nurse			
						leader role in accountability for			
						cost-effective and efficient use of			
						human, environmental and			
						material resources to promote			
			HIt Care			client care, advance client			
			Environment			education and enhance the			
Fall 2007	NUR726	726	Mgt	NUR	Nursing	5 accessibility of care.	GR	LE	Lecture
						Application of clinical nurse			
						leader role in clinical outcomes			
						management for health			
						promotion, illness and health			
						restoration in a micro-nursing			
						system with lateral integration of			
			Clinical			care services to affect quality			
			Outcomes			client outcomes throughout the			
Fall 2007	NUR727	727	Management	NUR	Nursing	5 lifespan.	GR	LE	Lecture

							Intensive clinical focus provides			
							students the opportunity to			
							function as an advanced			
							generalist providing managing			
							care at the point of care based			
							on the application of relevant			
			Clin Nur Ldr				theories, concepts, and research			
Fall 2007	NUR728	728	Immer Precp	NUR	Nursing	8.5	findings.	GR	LE	Lecture
							Evaluation of the concepts,			
							models, theories and principles			
							of nursing administration.			
							Provides an in-depth macro			
							focus on organizational theories			
			Org Thry &				and behaviors applicable to the			
			Bhvr in Nrsg				nurse administrator in a variety			
Fall 2007	NUR730	730	Adm	NUR	Nursing	3	of settings.	GR	LE	Lecture
							A micro approach to nursing			
							administration. Evaluation of			
							management processes with an			
							experiential component. Practical			
							application of			
			Strtgc Plng for				leadership/management		_	
Fall 2007	NUR731	731	Nrsg & Hlth	NUR	Nursing	6	concepts, models, and theories.	GR	LE	Lecture
							Analysis of human resource			
							management in health care			
							organizations. Specific			
							application is made to the nurse			
			Hum				administrator role. Graduate			
F-II 0007	NUIDZOO	700	resources Mgt	NUID	Niconstant	2	standing in the College of	CD.		1 1
Fall 2007	NUR732	732	in Nrsg Adm	NUR	Nursing	3	Nursing and Health required.	GR	LE	Lecture
							Observation, participation, and			
							practice in the administration of			
							nursing services in health care settings. Seminars synthesize			
			Practicum -				previous learning and application			
							to nursing administration. Clinical			
Fall 2007	NUR733	733	Nrsg Administration	MIID	Nursing	E	practicum required	GR	SE	Seminar
Fall 2007	NOK / 33	133	AUIIIIIISII AUIOII	NUK	ivui siriy	5	practicum required	GK	SE	Seminal

							Fiscal management concepts for			
							nurse administrators. Content			
							focuses on financial reporting			
							function, resource allocation,			
			Fincl Rsrce				managerial issues related to			
			Mgt in Nrsg				finance, financial planning, and			
Fall 2007	NUR734	734	Admin	NUR	Nursing	3	control in nursing administration.	GR	LE	Lecture
							Analysis of quantitative and			
							qualitative decision making			
							models in health care systems.			
							Cost-benefit, cost-utility, and			
							cost-effectiveness analysis			
							models are compared. CQI			
			Decision Mkng	ı			models evaluated for patient and			
			in Adm				staff outcomes. Introduction to			
Fall 2007	NUR735	735	Nrsg/Hlth	NUR	Nursing	3	database management.	GR	LE	Lecture
			-				Systematic assessment of the			
							clinical and administrative			
							information needs of health care			
							systems. Examines the			
							technology and strategies			
			Info & Tech in	1			needed to support nursing and			
			Nrsg/Hlth				health care in dynamic			
Fall 2007	NUR736	736	Systm	NUR	Nursing	3	environmental systems.	GR	LE	Lecture
			3				Analysis of learning theories and			
							models of nursing curriculum			
			Nrsng				design. Development and			
			Curriculum &				evaluation of nursing curriculum			
Fall 2007	NUR740	740	Prog Dvlpmt	NUR	Nursing	1	and educational programs.	GR	LE	Lecture
							Examination and application of			
							the art, principles, and strategies			
			Nursing				of teaching in nursing programs.			
			Education				Role of teacher in classroom is			
Fall 2007	NUR741	741	Stratagies	NUR	Nursing	1	explored.	GR	LE	Lecture
							Examination and application of			
							the art, principles, theories,			
			Eval Strategies	S			models, and strategies of			
Fall 2007	NUR742	742	in Nursing Ed	NUR	Nursing	1	evaluation in nursing.	GR	LE	Lecture

Fall 2007 NUR744 744 School Nursing NUR Nursing 1 school nurse role. Advances in Fall 2007 NUR745 745 School Nsg NUR Nursing 2 strategies. Fall 2007 NUR745 745 School Nsg NUR Nursing 2 strategies. Fall 2007 Nur745 745 School Nsg NUR Nursing 2 strategies. Fall 2007 Nur745 745 School Nsg Nur Nursing 2 strategies. Fall 2007 Nur745 745 School Nursing Nur Nursing 2 strategies. Fall 2007 Nur745 745 School Nursing Nur Nursing 2 strategies. Fall 2007 Nur745 745 School Nursing Nur Nursing 2 strategies 2 strategies 2 strategies 2 strategies 2 strategies 2 strategies 2 strategies 2 strategies 2 strategies 2 strategies 2 strate	Eall 2007	NUR743	743	Practicum in Nursing Education	NUR	Nursing	Observation, participation, and practice in teaching nursing concepts. Seminars synthesize previous learning with application to the role of the 1 nurse educator. Clinical	GR	SE	Seminar
Analysis of the role of the school nurse in promoting school and community health in a culturally diverse evolving environment using interdisciplinary practice, leadership and health promotion Fall 2007 NUR745 745 School Nsg NUR Nursing 2 strategies. Critical analysis of public policies and issues affecting nursing and health care delivery. Encompasses economic, political, social, technological, ethical, and legal influences on consumers	Fall 2007			Practicum		Nursing	Focus on clinical application of theories, research for health promotion/maintenance, disease prevention for children/adolescents in schools. Emphasis on development of comprehensive school health program. Seminars synthesize learning with application to			Seminar
Critical analysis of public policies and issues affecting nursing and health care delivery. Encompasses economic, political, social, technological, ethical, and Hith legal influences on consumers				Advances in			Analysis of the role of the school nurse in promoting school and community health in a culturally diverse evolving environment using interdisciplinary practice, leadership and health promotion			
				HIth Policy, Politics,			Critical analysis of public policies and issues affecting nursing and health care delivery. Encompasses economic, political, social, technological, ethical, and legal influences on consumers and health care providers from a			Lecture

						Identification of theoretical			
						foundations of health promotion,			
						disease prevention, and well-			
						being for individuals and			
						aggregates. Application and			
						investigation of epidemiological			
						concepts, cultural diversity,			
						multidisciplinary collaboration,			
			Health and			and national goals and trends			
Fall 2007	NUR751	751	Well-Being	NUR	Nursing	2 affecting health care.	GR	LE	Lecture
						Introduction to trends and issues			
						of informatics in health care with			
			Informatics-			an emphasis on effective use of			
			HIth Care			hardware and software in			
Fall 2007	NUR755	755	Seminar	NUR	Nursing	2 information technology.	GR	SE	Seminar
						Understanding, synthesizing			
						concepts and theories facilitating			
						professional development and			
						leadership in clinical practice,			
						nursing administration or nursing			
						education. Course includes			
						practice models, role			
						implementation, economic and			
			Advcd Nsg			financial issues, health care			
Fall 2007	NUR756	756	Roles/Ldrshp	NUR	Nursing	2 systems and trends.	GR	LE	Lecture
					3	Examines selected major			
						physiological concepts associated			
						with nursing diagnoses.			
						Physiological concepts are			
						integrated with diagnosis and			
						treatment of human responses			
						to health problems. Includes			
						cardiovascular, pulmonary, renal,			
						neurological, endocrine,			
			Adv Patho in			reproductive, and			
Fall 2007	NUR761	761	Lifespn-APN	NUR	Nursing	3 gastrointestinal physiology.	GR	LE	Lecture
1 un 2007	11011/01	701	Ellospii-Al N	11011	i vai siriy	gastronitostinai priysiology.	J1		Lociuic

							Application of cognitive			
							processes and psychomotor skills			
							needed for comprehensive			
							•			
							health assessment. Emphasis on			1t /1 -
							health history; physical,			Lecture/La
			Advanced				developmental, and nutritional			b
F 11 0007		7.0	Health				assessment; and identification of	0.0		Combinatio
Fall 2007	NUR762	762	Assessment	NUR	Nursing	3	common client problems across	GR	LL	n
							Study of epidemiological			
							concepts, principles, and			
							methods with application to			
							health and disease surveillance,			
							investigation of disease			
							outbreaks, and health planning.			
							Critical analysis of published			
			Principles of				epidemiological research with			
Fall 2007	NUR763	763	Epidemiology	NUR	Nursing	2	regard to implications for clinical	GR	LE	Lecture
							Focuses on prescriptive			
							knowledge of pharmacologic			
							agents used in treatment of			
							common primary health care			
							problems and stable chronic			
							disease states. Emphasis on			
			Appl Pharm-				indications, mechanisms of			
			Adv Practice				action, drug interactions, side			
Fall 2007	NUR764	764	Nurse	NUR	Nursing	0.5	effects, and client education.	GR	LE	Lecture
							Focuses on prescriptive			
							knowledge of pharmacologic			
							agents used in treatment of			
							common primary health care			
							problems and stable chronic			
							disease states. Emphasis on			
							indications, mechanisms of			
			Appl Pharm-				action, drug interactions, side			
			Adv Practice				effects, and client education.			
Fall 2007	NUR764S	764S	Nurse	NUR	Nursing	0.5	Graded pass/unsatisfactory.	GR	SE	Seminar

						Advanced study of also state at			
						Advanced study of physiologic			
						systems and common			
						pathologies for			
						children/adolescents. Emphasis			
						on knowledge for provision of			
			Pathophys-			nursing care for acute and			
			Chdrn/Adoles-			chronic conditions, as well as			
Fall 2007	NUR765	765	Nurses	NUR	Nursing	3 disease prevention and health	GR	LE	Lecture
						Application of processes and			
						skills for comprehensive health			
						assessment of			
						children/adolescents. Emphasis			
						on health history, physical			
						assessment of children and			Lecture/La
			Adv Hlth			adolescents incorporating various			b
			Assess of			instruments to assess growth			Combinatio
Fall 2007	NUR766	766	Chdrn/Adole	NUR	Nursing	3 and development issues.	GR	LL	n
						Examination of physiological			
						concepts, human responses,			
						nursing assessments, and			
						interventions related to actual			
			Adv Cncpts-			and potential health problems in			
			Cardiovascular			adults with cardiovascular			
Fall 2007	NUR767	767	Nrsg	NUR	Nursing	3 alterations.	GR	LE	Lecture
						The focus in on the			
						interpretation and clinical			
			12 Lead EKG			significance of abnormalities of			
Fall 2007	NUR768	768	Interpretation	NUR	Nursing	1 the 12 lead electrocardiogram.	GR	LE	Lecture
						Analysis of the role of the			
						community health nurse			
						specialist in community			
						assessment and diagnosis,			
						interdisciplinary practice, and			
			Community/Pu			health promotion and disease			
			blic Hlth Nrsg			prevention primary care in a			
Fall 2007	NUR770	770	I	NUR	Nursing	2 culturally and ethnically diverse	GR	LE	Lecture

			Community/Pu			Analysis of role of community health nurse specialist in program planning in partnership with community. Continuous quality improvement including both evaluation and consultation to increase social justice and			
Fall 2007	NIIID771	771	blic Hlth Nrsg	MLID	Nursing	improve the environment of the	CD	l E	Looturo
Fall 2007	NUR771	771	Practicum:Cm mnty Nurse	NUR	Nursing	2 aggregate. Observation, participation and practice as community health nurse specialist. Seminars synthesize previous learning with application to the role. Public health policies, legislation and economics of health care, including obtaining and financial	GR	LE	Lecture
Fall 2007	NUR772	772	Spclst	NUR	Nursing	6 management of grants.	GR	SE	Seminar
			Adv Nursing of			Application of advanced practice nursing skills integrating theory, research findings, and differential diagnosis in the provision of primary, acute, and chronic care. Clinical learning incorporates use of case			
Fall 2007	NUR782	782	_	NUR	Nursing	5 management in the primary care	GR	LE	Lecture
			Adv Nursing of			Introduces theoretical frameworks and research findings for advanced nursing practice required to provide case management and primary care for children/adolescents in families. Emphasis on nursing management of chronic/complex illnesses. Clinical practicum			2374.0
Fall 2007	NUR783	783	Child/Adoles II		Nursing	5 required.	GR	LE	Lecture

							Clinical application of relevant			
							theories and research findings			
							for health promotion and disease			
							prevention, as well as health			
							maintenance and restoration for			
			Adv Nursing of				children/adolescents using a			
Fall 2007	NUR784	784	Child/Adols III	NUR	Nursing	5	family centered approach.	GR	LE	Lecture
							Intensive clinical focus for			
							appliication of relevant theories,			
							concepts, and research findings			
							to clinical care. Stresses			
							development of clinical			
			Adv Nrsg of				competence required in			
			Chdrn/Adles				delivering advanced practice			
Fall 2007	NUR785	785	Prctcm	NUR	Nursing	7	nursing care to	GR	LE	Lecture
							Emphasis on nursing			
							management of complex acute			
							illnesses and multi-system			
							disorders of children/adolescents			
							and their families. Clinical			
							practicum focuses on multi-			
							disciplinary collaboration for the			
			Adv Acute				delivery of comprehensive health			
Fall 2007	NUR786	786	Care Nsg C/A	NUR	Nursing		care in high acuity setting.	GR	LE	Lecture
			Nrsg Resrch				Evaluation, utilization, and			
			Appl &				application of the research			
Fall 2007	NUR788	788	Utilization	NUR	Nursing	3	process.	GR	LE	Lecture
							A student must be registered at			
							the graduate level in the quarter			
							in which the degree is granted,			
							or in any quarter in which the			
							department is affording some			
							service, such as giving an			
							examination, reading a thesis, or			
							giving advice on the thesis after			
							completion of all other			
			Continuing				requirements of course work and			Independe
Fall 2007	NUR789	789	Registration	NUR	Nursing		research.	GR	IS	nt Study
all 2007	NUK/09	107	registration	NUK	ivui siriy	ı	า ธอธินา GT.	ΟIV	ıJ	iii Stuuy

			Primary Health Care of			Provides knowledge and skills needed to deliver primary health care to women in multiple settings. Emphasizes application of problem identification and management, health promotion, and client and family counseling. Clinical and supervised lab			
Fall 2007	NUR791	791	Prmry HIth Care-Yng/Oldr	NUR	Nursing	1 experiences. Provides knowledge and skills to deliver primary health care to adults across their lifespan in multiple settings. Emphasizes application of problem identification and management, health promotion, and client and family counseling. Supervised lab	GR	LE	Lecture
Fall 2007	NUR792	792	Adlts Prmry Hlth Care of	NUR	Nursing	1 and clinical experiences. Provides knowledge and skills to deliver primary health care to children and adolescents in multiple settings, and patient and family counseling. Supervised lab and clinical experiences. Titles vary. May be	GR	LE	Lecture
Fall 2007	NUR793	793	Cldrn/Adols Fam Nrse Prcttnr	NUR	Nursing	1 taken for letter grade or Intensive clinical focus provides students the opportunity to apply relevant theories, concepts, and research findings to clinical care. Stresses development of clinical competence required in	GR	LE	Lecture
Fall 2007	NUR794	794		NUR	Nursing	1 delivering primary health care.	GR	SE	Seminar

						Focus on complex symptom management in acute and			
						emergent physiological			
						alterations in systems. Health			
						promotion, maintenance, and			
						restoration emphasized.			
						Advanced practice role			
			Mgt of			development incorporated into			
			Acute&Emrg			the course through patient care			
Fall 2007	NUR795	795	Hlth Prob I	NUR	Nursing	4 management seminars, and	GR	LE	Lecture
						Focus on complex symptom			
						management in acute and			
						emergent physiological			
						alterations in systems. Health			
						promotion, maintenance, and			
						restoration emphasized.			
						Advanced practice role			
			Mgt of			development incorporated into			
			Acute&Emrg			the course through patient care			
Fall 2007	NUR796	796	HIth Prob II	NUR	Nursing	4 management, seminars, and	GR	LE	Lecture
						Focus on synthesis of theory and			
						implementation of ACNP role.			
						Experiences emphasize clinical			
						decision-making in an			
						interprofessional environment			
			Acte Cre Nrs			with focus on ACNP as principal			
			Practitioner			provider of care for patients with			
Fall 2007	NUR797	797	Prct	NUR	Nursing	7 acute, emergent health	GR	SE	Seminar
						Guided exploration of research			
			Supervised			problem(s) under direct			
			Exp in Nur			supervision of experienced			Independe
Fall 2007	NUR798	798	Research	NUR	Nursing	1 researcher.	GR	IS	nt Study
			Thesis/Scholar						
<u></u>			ly Prjct			<u></u>			Independe
Fall 2007	NUR799	799	Advsmnt	NUR	Nursing	1 Thesis or scholarly project.	GR	IS	nt Study

	1			T			T		
						Within a structured, coherent			
						framework, the course will			
						develop necessary skills in			
						networking, communication and			
						presentation skills. The course			
					Organizati	includes a survey of related			
					onal	technology and will include			
			Organization		Leadershi	internet and electronic mail			
Fall 2007	OL301	301	Leadership	OL	р	4 communication.	UG	LE	Lecture
						This course introduces students			
						to contemporary leadership			
						theories, concepts and issues.			
						Students will examine			
					Organizati	contemporary societal and			
			Contemporay		onal	organizational forces and			
			Issues In		Leadershi	challenges that affect modern			
Fall 2007	OL302	302	Ldrshp	OL	р	4 organizations.	UG	LE	Lecture
			•			This course is designed to			
						provide students with the			
						opportunity to learn appropriate			
					Organizati	methods for assessment within			
			Organizational		onal	organizational settings. This			
			Ldrshp		Leadershi	includes both individual and			
Fall 2007	OL303	303	Assessm	OL	р	4 organization-wide assessment.	UG	LE	Lecture
1 411 2307	02000	000	7100000111	02	P	This course presents strategies			2000010
					Organizati	to develop and present effective			
			Dev &		onal	training. It includes progrram			
			Presenting Eff		Leadershi	implementation, assessment,			
Fall 2007	OL304	304	Training	OL	р	4 evaluation and supervision.	UG	LE	Lecture
1 411 2007	OLJOT	304	Training	OL	P	This course provides a capstone	00	LL	LCCturc
						experience for students in the			
						Organizational Leadership			
						Program. It focuses on			
						developing the individual as a			
					Organizati	leader, and prepares the student			
			Loadorobin		Organizati onal				
			Leadership			for workplace marketability and			
Fall 2007	01.404	404	Development	OI	Leadershi	organizational change	110	CE	Cominar
Fall 2007	OL494	494	Seminar	OL	p	4 management.	UG	SE	Seminar

					Organizati					
					onal					
			Writing in OL		Leadershi					
Fall 2007	OL494W	494W	494	OL	p	0		UG	LB	Lab
							In this course, students will draw			
							upon their experiences from all			
							of their organizational leadership			
							courses to demonstrate their			
					Organizati		competency as administrative			
					onal		leaders by applying and			
			Leader Skill		Leadershi		integrating classroom material to			
Fall 2007	OL495	495	Capstone	OL	p	4	an actual administrative problem.	UG	LE	Lecture
					Organizati					
					onal					
			Writing in OL		Leadershi					
Fall 2007	OL495W	495W	495	OL	p	0		UG	LB	Lab
			Student-							
			Initiated		Ophthalm					
Fall 2007	OPH800	800	Elective	OPH	ology	4		MD	CL	Clinical
			Ophthalmolog		Ophthalm					
Fall 2007	OPH801	801	У	OPH	ology	8		MD	CL	Clinical
					Ophthalm					
Fall 2007	OPH900	900	Extramural	OPH	ology	4		MD	Н	Hospital
			Student-							
			Initiated		Orthopedi					
Fall 2007	ORS800	800	Elective	ORS	CS	4		MD	CL	Clinical
			Ortho Surgery		Orthopedi	_				
Fall 2007	ORS808	808	in Children	ORS	CS	8		MD	CL	Clinical
F 11 0007	00000	000	Orthopedic	0.00	Orthopedi				01	011 1
Fall 2007	ORS809	809	Spine	ORS	CS	8		MD	CL	Clinical
E !! 0007	000010	0.1.0	Ortho Surgery	0.00	Orthopedi	_				
Fall 2007	ORS810	810	(Foot, Ankle)	ORS	CS Outle and all	8		MD	CL	Clinical
F-II 2007	000011	011	Ortho for	ODC	Orthopedi	0		MD	CI	Oliminal
Fall 2007	ORS811	811	Primary Care	ORS	CS Orthonodi	8		MD	CL	Clinical
F-II 2007	00015	015	Orthopedic	ODC	Orthopedi	0		MD	CI	Oliminal
Fall 2007	ORS815	815	Surgery	ORS	CS	8		MD	CL	Clinical

			Physical							
			Medicine and		Orthopedi					
Fall 2007	ORS816	816	Rehab	ORS	cs	8		MD	CL	Clinical
					Orthopedi					
Fall 2007	ORS900	900	Extramural	ORS	CS	4		MD	Н	Hospital
			Student-							
			Initiated		Otolaryng					
Fall 2007	OTO800	800	Elective	ОТО	ology	4		MD	CL	Clinical
					Otolaryng					
Fall 2007	OTO900	900	Extramural	ОТО	ology	4		MD	Н	Hospital
							Subject areas include			
					Physiolog		homeostasis; cell, nerve, and			
			Physiology-		y &		muscle function; nervous system			
			Health &		Biophysic		regulation; and cardiovascular			
Fall 2007	P&B301	301	Disease I	P&B	S	4	and circulatory systems.	UG	LE	Lecture
							Subject areas include			
							gastrointestinal and metabolic			
					Physiolog		systems; respiratory and renal			
					y &		systems; acid-base balance;			
			Human		Biophysic		endocrinology and temperature			
Fall 2007	P&B302	302	Physiology II	P&B	S	4	regulation.	UG	LE	Lecture
							Studies the physiological			
							mechanisms that subserve the			
							functions of the nervous system.			
							Topics include the biophysics of			
					Physiolog		neuronal information,			
			Intro		y &		intercellular communications,			
			Neurophysiolo		Biophysic		motor control, sensory systems,			
Fall 2007	P&B442	442	gy	P&B	S	4	and developmental neurobiology.	UG	LE	Lecture
							Independent reading in			
					Physiolog		physiological literature. A written			
			Independent		y &		report is required for each			
			Reading-		Biophysic		registered period. Optional			Independe
Fall 2007	P&B488	488	Physiology	P&B	S	1	pass/fail or letter grade.	UG	IS	nt Study

	T				T T	0 ' 1' 1 11 1			
						Specialized program that gives			
						seniors an opportunity to explore			
						potential careers in physiology.			
						Studies may vary from working			
					Physiolog	with instructor on an ongoing			
			Special		y &	physiological research project to			
			Problems in		Biophysic	analysis of data obtained from			Independe
Fall 2007	P&B499	499	Physiology	P&B	S	1 completed research project.	UG	IS	nt Study
						Includes homeostasis; cell,			
					Physiolog	nerve, and muscle function;			
					y &	nervous system regulation; and			
			Human		Biophysic	cardiovascular and circulatory			
Fall 2007	P&B501	501	Physiology I	P&B	s	4 systems.	GR	LE	Lecture
			3 03			Includes gastrointestinal and			
					Physiolog	metabolic systems; respiratory			
					y &	and renal systems; acid-base			
			Human		Biophysic	balance; endocrinology; and			
Fall 2007	P&B502	502	Physiology II	P&B	s	4 temperature regulation.	GR	LE	Lecture
					Physiolog	Fundamentals of cellular			
					y &	homeostasis and the role of			
			Cell Physiology		Biophysic	specialized cells in organismal			
Fall 2007	P&B601	601	& Biophysics	P&B	S	4 homeostasis	GR	LE	Lecture
			a 2.5pje			Epithelial solute and water			2550.5
						transport; the control of			
						intracellular pH and role in			
					Physiolog	cellular growth; gastrointestinal			
					y &	mucosal transport; hormonal			
			P&B of Cells &		Biophysic	adaptation; and muscle			
Fall 2007	P&B602	602	Systems II	P&B	S	4 energetics and exercise.	GR	LE	Lecture
1 411 2007	I QDOOZ	002	Systems ii	I QD	3	An overview of	OIX	LL	Lecture
						human/mammalian organ			
						physiology. Fundamental			
						mechanisms and the			
					Dhysiolog	experimental basis for current			
					Physiolog	understanding is emphasized.			
			Llumaan		y &	Prerequisite: Introductory			
F-II 0007	D0 D/40	(10	Human	DoD	Biophysic	biology, chemistry, physics, or	CD.	-	Lastona
Fall 2007	P&B610	610	Physiology	P&B	S	5 permission of instructor.	GR	LE	Lecture

					Physiolog	Physiological mechanisms that subserve the functions of the nervous system. Topics include the biophysics of neuronal information, intercellular	
			Introductory		y &	communications, motor control,	
F-11 0007	D0 D (40	(40	Neurophysiolo	Do D	Biophysic	sensory systems, and	
Fall 2007	P&B642	642	gy	P&B	S	1 55	ecture
						Concepts of glial cell physiology	
					DI	based on the analysis of current	
					Physiolog	primary literature. Topics include	
1			0" 1 0 "		y &	interactions between glia and	
	D 0 D (F 5		Glial Cell	D = D	Biophysic	other cell types and the role of	
Fall 2007	P&B650	650	Physiology	P&B	S	3 1 1 3 33	ecture
						Each student participates in a	
						one-week tutorial study with	
						each P&B faculty member.	
						Tutorials are given sequentially	
						over the fall quarter for entering	
						P&B Master of Science students.	
						Learning opportunities include	
					Physiolog	readings, discussions, and	
					y &	written assignments. May be	
			Introduction		Biophysic		depende
Fall 2007	P&B666	666	to P&B	P&B	S		Study
						Employs a quantitative approach	
						to the properties of solutes,	
						water, bio-electrical phenomena,	
						the properties of transport	
						systems that move solutes	
						across biological membranes,	
						and the interactions of these	
						solutes with membranes.	
					Physiolog	Completion of calculus, cell	
1			Quant Aspct-		y &	biology, and cellular physiology	
1			Membrane		Biophysic	and biophysics required. May be	
Fall 2007	P&B669	669	Transport	P&B	S	3 taken for letter grade or GR LE Lec	cture

Fall 2007	P&B699	699	Special Problems in Physiology	P&B	Physiolog y & Biophysic s	Enables students to explore potential careers in physiology. Varies from working on an ongoing physiological research project to historical survey related to a completed research project. May be taken for a letter 1 grade or pass/unsatisfactory.	GR	IS	Independe nt Study
Fall 2007	P&B701	701	Selected Topics in Physiology	P&B	Physiolog y & Biophysic	A selected area is discussed in greater detail than in the basic courses (P&B 702, 703). Some 1 topics may include laboratory	GR	LL	Lecture/La b Combinatio n
			Basic Human		Physiolog y & Biophysic	Homeostasis, cell function, muscle action, nervous system integration, and circulation. 4 hours lecture, 2 hours lab,			
Fall 2007	P&B702	702	Phsiology I Basic Human Physiology I	P&B	Physiolog y & Biophysic	6 conference.	GR	LE	Lecture
Fall 2007	P&B702L	702L	Lab Basic Human	P&B	Physiolog y & Biophysic	O Required laboratory for P&B 702. Negative feedback regulation; metabolism; gastrointestinal, pulmonary, renal, and endocrine functions; and integrative functions. 4 hours lecture, 2	GR	LB	Lab
Fall 2007	P&B703	703	Physiology II Basic Human Physiology II	P&B	s Physiolog y & Biophysic	4 hours lab, conference.	GR	LE	Lecture
Fall 2007	P&B703L	703L	Lab	P&B	Physiolog y & Biophysic	O required laboratory for P&B 703. Covers the theoretical basis for fluorescence and instrument design in this methods-oriented course. Applications of interest to the physiological and biochemical sciences will be	GR	LB	Lab
Fall 2007	P&B704	704	Fluorescence	P&B	S	1 discussed. Graded	GR	LE	Lecture

						Topics address the			
						representation, processing, and			
					Physiolog	transmission of neuronal			
					y &	information, and the role of			
			Neurophysiolo		Biophysic	neuronal circuits in motor control			
Fall 2007	P&B720	720	gy	P&B	S	3 and sensory systems.	GR	LE	Lecture
		1	97			This course explores the role of	.		
						ion channels in a variety of cell			
					Physiolog	types with an emphasis on both			
					y &	electrophysiological and			
					Biophysic	biochemical methods for			
Fall 2007	P&B722	722	Ion Channels	P&B	s	4 evaluation of channel function.	GR	LE	Lecture
					Physiolog	Cellular and molecular analysis of			
			Rprdctve Phys		y &	hormonal controls in			
			& Embryonic		Biophysic	reproduction and the developing			
Fall 2007	P&B729	729	Dvlp	P&B	S	3 embryo.	GR	LE	Lecture
						Survey of the physiology of the			
						human cardiovascular system;			
						components and control, cell,			
					Physiolog	organ, and system level. Both			
					y &	newborn and adult are included,			
			Cardiovascular		Biophysic	as well as adjustments to			
Fall 2007	P&B733	733	Physiology	P&B	S	3 exercise and non-exercise stress.	GR	LE	Lecture
						Survey of the respiratory			
						vascular and biochemical			
						mechanisms involved in			
					Physiolog	transport of oxygen and			
					y &	carbondioxide from atmosphere			
			Pulmonary		Biophysic	to cells. Nonrespiratory			
Fall 2007	P&B741	741	Physiology	P&B	S	3 functions of the lung are also	GR	LE	Lecture
						Explores current hypothesis for			
						the formation, sorting, and			
					D	release of secretory vesicles at a			
					Physiolog	molecular level integrating ideas			
			Molecular		y &	from cell biology, neuroscience,			
F 11 0007	D 0 D 7 E 1	754	Basis of	D o D	Biophysic	and membrane biophysics.	0.0		
Fall 2007	P&B751	751	Secretion	P&B	S	3 Methodology is emphasized.	GR	LE	Lecture

							Principles of gastrointestinal			
					Physiolog		physiology and biophysics			
					y &		emphasizing cellular mechanisms			
			Gastrointestin		Biophysic		of secretion, absorption, and			
Fall 2007	P&B761	761	al P&B	P&B	S	3	motility.	GR	LE	Lecture
					Physiolog					
					y &		Survey of endocrinological			
			General		Biophysic		mechanisms and their role in			
Fall 2007	P&B771	771	Endocrinology	P&B	S	3	integration of body function.	GR	LE	Lecture
							Introduces the concepts of			
							intercellular communication			
							through an interdisciplinary			
							presentation of immune and			
							neuroendocrine system			
					Physiolog		functions. Emphasizes the			
			Intercellular		y &		similarities between the systems			
			Communicatio		Biophysic		and the multidis-ciplinary			
Fall 2007	P&B776	776	n	P&B	S	4	approaches used to study each.	GR	LE	Lecture
							Interdisciplinary/interdepartment			
							al course for graduate and			
							medical students that integrates			
							basic and clinical neurosciences.			
					Physiolog		Structural and functional topics			
					y &		are combined with clinical			
			Medical		Biophysic		information to address major			
Fall 2007	P&B777	777	Neuroscience	P&B	s	7	neurological and psychiatric	GR	LE	Lecture
							Integration of physiological			
							mechanisms involved in exercise.			
							Cellular, neuromuscular,			
							cardiovascular, and respiratory			
					Physiolog		changes are discussed with			
					y &		relationship to exercise			
			Exercise		Biophysic		performance. 4 hours lecture, 2			
Fall 2007	P&B783	783	Physiology	P&B	s	5	hours lab, student recitation.	GR	LE	Lecture
			, ,,		Physiolog					
					y &					
			Exercise		Biophysic					
Fall 2007	P&B783L	783L	Physiology Lab	P&B	S	0	Required laboratory for P&B 783.	GR	LB	Lab

						A student must be registered at	
						the graduate level in the quarter	
					Physiolog	in which the degree is granted or	
					у &	in which some service is being	
			Continuing		Biophysic	rendered by the department,	Independ
Fall 2007	P&B789	789	Registration	P&B	S	•	IS nt Study
		1.01	Jan Grant Gr		Physiolog	Signalling and Molecular	
					у &	mechanisms of Apoptotic Cell	
			Mechanisms of		Biophysic	Death and relationship to human	
Fall 2007	P&B792	792	Cell Death	P&B	S	·	LE Lecture
					Physiolog		
					y &	Students organize and present	
					Biophysic	material to colleagues and	
Fall 2007	P&B800	800	Seminar	P&B	s	5	SE Seminar
					Physiolog	,	
			Gen		y &		
			Biophysics		Biophysic	Faculty and students present	
Fall 2007	P&B805	805	Seminar	P&B	s	2 scientific information/findings. GR	SE Seminar
					Physiolog	Students present a current	
					y &	scientific article to colleagues	
			Neuroscience		Biophysic	and faculty. Graded	
Fall 2007	P&B808	808	Seminar	P&B	S	1 pass/unsatisfactory. GR	SE Seminar
						Principles of Biomedical Research	
						is appropriate for students that	
						will be involved in Biomedial	
					Physiolog	Research. PBR provides a	
			Prin		y &	lecture and student interactive	
			Biomedical		Biophysic	series designed to introduce	
Fall 2007	P&B860	860	Research	P&B	S		LE Lecture
						Physiological steady state and	
						pharmacological properties of	
						vascular cells circulating	
					Physiolog	erythrocytes, endothelial cells	
					y &	and smooth muscle cells in	
			Phys & Pharm-		Biophysic	particular as a basis of	
Fall 2007	P&B870	870	Vascular Cells	P&B	S	3 pathophysiologic aberrations and GR	LE Lecture

					Physiolog				
					y &				
			Physiology		Biophysic				Independe
Fall 2007	P&B899	899	Research	P&B	S	2 Supervised thesis research.	GR	IS	nt Study
			Student						
			Initiated						
Fall 2007	PED600	600	Elective	PED	Pediatrics	2	MD	LE	Lecture
			Undstd/Coping						
			Chronic						
Fall 2007	PED602	602	Disease	PED	Pediatrics	2	MD	LE	Lecture
			Infections						
			Infants/Childre						
Fall 2007	PED603	603	n	PED	Pediatrics	2	MD	CL	Clinical
Fall 2007	PED604	604	Cystic Fibrosis	PED	Pediatrics	2	MD	CL	Clinical
			Nutrition:						
			Infants,						
Fall 2007	PED605	605	Children	PED	Pediatrics	2	MD	LE	Lecture
			Child Abuse						
Fall 2007	PED606	606	and Neglect	PED	Pediatrics	2	MD	CL	Clinical
			Pediatric						
Fall 2007	PED700	700	Clerkship	PED	Pediatrics	16	MD	CL	Clinical
			Student-						
			Initiated						
Fall 2007	PED800	800	Elective	PED	Pediatrics	4	MD	CL	Clinical
			Scope of						
			Community						
Fall 2007	PED803	803		PED	Pediatrics	8	MD	CL	Clinical
			Ped						
			Hematology-						
Fall 2007	PED804	804		PED	Pediatrics	8	MD	CL	Clinical
- u 0007	DEDOOF	225	Adolescent	555					
Fall 2007	PED805	805		PED	Pediatrics	8	MD	CL	Clinical
F - II 0007	DED.CC.	001	Ped Infectious	DED	D. J		1.45	01	Olive i
Fall 2007	PED806	806	Diseases	PED	Pediatrics	8	MD	CL	Clinical
Fall 2007	PED807	807	JI Pediatrics	PED	Pediatrics	8	MD	CL	Clinical

			Ped							
			Pulmonary							
Fall 2007	PED814	814	Medicine	PED	Pediatrics	8		MD	CL	Clinical
			Ped							
			Gastroenterolo							
Fall 2007	PED815	815	ду	PED	Pediatrics	8		MD	CL	Clinical
Fall 2007	PED816	816	Ped Cardiology	PED	Pediatrics	8		MD	CL	Clinical
			Ped Critical							
Fall 2007	PED819	819	Care Medicine	PED	Pediatrics	8		MD	CL	Clinical
Fall 2007	PED900	900	Extramural	PED	Pediatrics	4		MD	Н	Hospital
			Selected							
F-II 0007	DI 14 704	701	Topics-	DLIA	Pharmaco	0	T	O.D.		Landama
Fall 2007	PHA701	701	Pharmacology	PHA	logy_SC	2	Topics vary.	GR	LE	Lecture
							Introduces the concepts of			
							intercellular communication			
							through an interdisciplinary			
							presentation of immune and			
							neuroendocrine system			
							functions. Emphasizes the			
			Intercellular				similarities between the systems			
			Communicatio		Pharmaco		and the multidisciplinary			
Fall 2007	PHA740	740	n	PHA	logy_SC	4	approaches used to study each.	GR	LE	Lecture
							Physiological steady state and			
							pharmacological properties of			
							vascular cells circulating			
							erythrocytes, endothelial cells,			
							and smooth muscle cells in			
			Phys & Pharm				particular as a basis of			
			of Vascular		Pharmaco		pathophysiologic aberrations and			
Fall 2007	PHA870	870	Cells	PHA	logy_SC	3	clinical disorders.	GR	LE	Lecture
							In-depth treatment of the			
							anatomy, biochemistry,			
							physiology, and functions of			
							neurotransmitter systems and			
			Neuropharmac		Pharmaco		the effects of drugs on the			
Fall 2007	PHA898	898	ology	PHA	logy_SC	3	nervous system.	GR	LE	Lecture

			Pharmacology		Pharmaco					
Fall 2007	PHA899	899	Research	PHA	logy_SC	1	Supervised thesis research.	GR	LB	Lab
							Investigation of fundamental			
							ethical issues in our society.			
							Includes such issues as power,			
							law, race, war, population,			
			Social Ethics		Philosoph		ecology, violence vs. pacifism,			
Fall 2007	PHL124	124	and Values	PHL	у	3	and punishment vs.	UG	LE	Lecture
							Introduction to fundamental			
							reasoning skills: recognizing the			
							differences between facts and			
							opinions, distinguishing relevant			
							from irrelevant information,			
							identifying unstated			
							assumptions, detecting bias,			
							recognizing fallacious reasoning,			
			Critical		Philosoph		and evaluating claims,			
Fall 2007	PHL200	200	Thinking	PHL	y	4	definitions, and arguments.	UG	LE	Lecture
			Writing in PHL		Philosoph		Required writing component for			
Fall 2007	PHL200W	200W	200	PHL	у	0	PHL 200.	UG	LB	Lab
1							Introduction to selected great			
							books in the history of Western			
							philosophy chosen from each of			
							three eras (ancient/medieval,			
							modern, and contemporary) and			
							examined both within their			
							respective historical frameworks			
			Great Books:		Philosoph		and as an exercise in critical			
Fall 2007	PHL204	204	Philosophy	PHL	у	4	thinking.	UG	LE	Lecture
			Writing in PHL		Philosoph		Required writing component for			
Fall 2007	PHL204W	204W	204	PHL	у	0	PHL 204.	UG	LB	Lab
						-	Survey of the important theories			
			Introduction		Philosoph		concerning the nature of moral			
Fall 2007	PHL211	211	to Ethics	PHL	у	4	value and obligation.	UG	LE	Lecture
			Writing in PHL		Philosoph					
Fall 2007	PHL211W	211W	211	PHL	у	0		UG	LB	Lab

						Survey of the important theories			
						concerning the nature of reality,			
			Introduction		Philosoph	mind and body, and freedom			
Fall 2007	PHL212	212	to Metaphysics	PHL	у	3 and determinism.	UG	LE	Lecture
						Survey of the important theories			
						concerning the origin, structure,			
			Theories of		Philosoph	methods, certainty, and validity			
Fall 2007	PHL213	213	Knowledge	PHL	y	3 of knowledge.	UG	LE	Lecture
						Introduction to the techniques of			
						inductive and probabilistic			
						reasoning with emphasis on the			
						problems encountered in			
			Inductive		Philosoph	attempting to justify those			
Fall 2007	PHL215	215	Logic	PHL	у	4 techniques.	UG	LE	Lecture
						Introduction to the techniques of			
						deductive logic including truth-			
			Symbolic Logic		Philosoph	table analysis, the prepositional			
Fall 2007	PHL223	223	1	PHL	у	4 calculus, and predicate logic.	UG	LE	Lecture
						Selected cross-disciplinary issues			
						arising from philosophy and			
						religion: Judeo-Christian concept			
						of God, grounds for belief and			
						disbelief, revelation and faith,			
						religious language, verification,			
						immortality and resurrection, and			
						karma and reincarnation. Issues			
			PhI of			are discussed on the basis of			
			Religion:		Philosoph	selected texts on faith and			
Fall 2007	PHL280	280	Faith&Reason	PHL	у	3 reason.	UG	LE	Lecture

						Constanting and the second sections are			
						Cross-disciplinary perspective on			
						philosophical and religious			
						schools of thought in the early			
						20th century. Absolute and			
						personal idealism, spirit, value,			
						positivism and naturalism,			
						history and culture, modernism			
			PhI of			and pragmatism, religious			
			Rel:Contemp		Philosoph	consciousness, and			
Fall 2007	PHL281	281	West Survey	PHL	у	3 phenomenology.	UG	LE	Lecture
	T	T				Pre-Socratics, Plato, Aristotle,			
						Epicureanism, Stoicism,			
			Ancient		Philosoph	Skepticism, Neo-Platonism.			
Fall 2007	PHL301	301	Philosophy	PHL	у	4 Topics vary.	UG	LE	Lecture
			Medieval		Philosoph	Augustine, Anselm, Aquinas,			
Fall 2007	PHL302	302	Philosophy	PHL	у	4 Scotus, Occam. Topics vary.	UG	LE	Lecture
			Writing in PHL		Philosoph	Required writing component for			
Fall 2007	PHL302W	302W	302	PHL	у	0 PHL 302.	UG	LB	Lab
						Descartes, Spinoza, Leibniz,			
						Locke, Berkeley, Hume, Kant,			
			Modern		Philosoph	Hegel, Schopenhauer, Topics			
Fall 2007	PHL303	303	Philosophy	PHL	у	4 vary.	UG	LE	Lecture
			Writing in PHL		Philosoph				
Fall 2007	PHL303W	303W	303	PHL	у	0	UG	LB	Lab
						Survey of American philosophy			
						from Jonathan Edwards to John			
						Dewey, including			
						Transcendentalism (Emerson,			
						Thoreau), Idealism (Royce),			
			American		Philosoph	Pragmatism (Peirce, James), and			
Fall 2007	PHL305	305	Philosophy	PHL	y	4 Naturalism (Santayana, Dewey).	UG	LE	Lecture

						Major developments in last 100			
						years from Frege and early views			
						of Moore and Russell; through			
						logical atomism (Russell;			
						Wittgenstein) and logical			
						positivism (Schlick; Carnap;			
			Curvoy			Ayer), to more recent views of			
			Survey-		Dhilosoph	3 7			
Fall 2007	DI II 200	200	Analytical	DLII	Philosoph	such figures as Wittgenstein and	шС	l E	Looturo
Fall 2007	PHL308	308	Philosophy	PHL	У	4 Quine.	UG	LE	Lecture
						A examination of problems			
					DI 11	concerning the nature,			
	D. II 000	000		5	Philosoph	constituents and relations of		. –	
Fall 2007	PHL309	309	Metaphysics	PHL	У	4 reality.	UG	LE	Lecture
	D. II 040	0.1.0	Theory of	5	Philosoph	An examination of knowledge,		. –	
Fall 2007	PHL310	310	Knowledge	PHL	У	4 belief, justification, and warrant.	UG	LE	Lecture
						Critical examination of major			
						issues and problems of			
						contemporary philosophical			
						ethics. Concepts of "good,"			
						"evil," "right," "wrong," and			
						"justice." Obligations to			
						ourselves and others; praise,			
					Philosoph	blame, punishment, and pardon;			
Fall 2007	PHL311	311	Ethics	PHL	У	4 meaning and purpose of life.	UG	LE	Lecture
					Philosoph				
Fall 2007	PHL311W	311W	Writing in PHL	PHL	у	0	UG	LB	Lab
						Investigation and discussion of			
						moral issues as they arise within			
						major areas of society.			
						Emphasis on studies in such			
			Moral		Philosoph	areas as medicine, law, family,			
Fall 2007	PHL312	312	Problems	PHL	y	4 business, and politics. May be	UG	LE	Lecture
			Writing in PHL		Philosoph	Required writing component for			
Fall 2007	PHL312W	312W	312	PHL	y	0 PHL 312.	UG	LB	Lab

							Concepts which border the			
							Concepts which border the			
							philosophy of language,			
							philosophy of mind, and			
							ontology. Sample topics:			
							predication and universals;			
							naming, meaning, and necessity;			
			Philisophical		Philosoph		negation, existence, and truth;			
Fall 2007	PHL322	322	Logic	PHL	у	4	logical and semantical	UG	LE	Lecture
							Standard notations, principles of			
							inference, formal systems, and			
			Symbolic Logic		Philosoph		methods of proof. Focus on first-			
Fall 2007	PHL323	323	П	PHL	у	4	order predicate logic.	UG	LE	Lecture
							Analysis of classical and			
							contemporary writings in political			
							philosophy; includes such topics			
							as power, sovereignty, the state,			
							and anarchy; equality, justice,			
							law, and liberty; consent,			
							representation, will of the			
			Political		Philosoph		people; political rights and			
Fall 2007	PHL331	331	Philosophy	PHL	у	4	responsibilities.	UG	LE	Lecture
							Courses of variable content			
			Studies -				dealing with topics in ancient			
			Political		Philosoph		and modern political philosophy.			
Fall 2007	PHL332	332	Philosophy	PHL	У .	4	May be repeated.	UG	LE	Lecture
							Study of theories concerning the			
							nature of the work of art,			
					Philosoph		aesthetic experience, the arts,			
Fall 2007	PHL341	341	Aesthetics	PHL	У	4	and beauty.	UG	LE	Lecture
							Examination of philosophical			
							importance of the theories of			
			Grt Scntsts &				evolution, psychoanalysis,			
			Rcnt		Philosoph		dialectical materialism, and			
Fall 2007	PHL351	351	Philosopher	PHL	У	4	space-time relativity.	UG	LE	Lecture
2007					J	<u>'</u>	Case study and discussion of			200.010
			Business		Philosoph		ethical issues involved in			
Fall 2007	PHL371	371	Ethics	PHL	V	4	business transactions and	UG	LE	Lecture
1 dii 2007	I IILU/I	071	Ettilos	1 1 IL	J		basinoss transactions and	50	LL	Locialo

							Examination of ethical issues			
							confronting society in the areas			
							of medicine and health care,			
							from the perspective of philo-			
							sophical and theological ethics.			
							Examples include ethics of			
			Ethics and		Philosoph		abortion, euthanasia,			
Fall 2007	PHL378	378	Medicine	PHL	у	4	experimental medicine, and	UG	LE	Lecture
						<u> </u>	Realism and the revolt against			20000.0
							idealism. Cross-disciplinary			
							analysis of major contemporary			
			Philosophy of				philosophers and the implications			
			Religion: Proce		Philosoph		of their thoughts for religion.			
Fall 2007	PHL382	382	SS	PHL	У	4	Focus on Alfred North	UG	LE	Lecture
							Cross-disciplinary analysis of			
							modes of human awareness			
							through which religious meaning			
							is expressed (sensation,			
							morality, beauty, reason, and			
			Philosophy of				human relations). Examination of			
			Religion: Secul		Philosoph		presuppositions of contemporary			
Fall 2007	PHL383	383	ar	PHL	у .	4	secular religion in existentialism.	UG	LE	Lecture
					Philosoph		Representative writers of the			
Fall 2007	PHL394	394	Existtentialism	PHL	y	4	existentialist movement.	UG	LE	Lecture
			Studies in				Problems, approaches, and			
			Selected		Philosoph		topics in the field of philosophy.			
Fall 2007	PHL399	399	Subjects	PHL	y	1	Topics vary.	UG	LE	Lecture
			Writing in PHL		Philosoph		Required writing component for			
Fall 2007	PHL399W	399W	399	PHL	y	0	PHL 399.	UG	LB	Lab
							Introduction to the major			
							writings of outstanding			
							philosophers. Involves			
			Major		Philosoph		presentation and critical			
Fall 2007	PHL401	401	Philosophers	PHL	у	4	examination of the philosophers'	UG	LE	Lecture

						Critical examination of major			
						theories of value and obligation.			
						The best theory of value and			
						obligation; assessment and			
						measurement of values; the role			
			Advanced			of values in deliberation and			
					Dhileesh				
Fall 2007	DI II 411	111	Ethical	DLII	Philosoph	decision-making, and in	UG		Looturo
Fall 2007	PHL411	411	Theories	PHL	У	4 explanations of behavior.	UG	LE	Lecture
						Survey of the important theories			
						concerning the nature and			
						justification of law, liberty,			
			Philosophy of		Philosoph	justice, responsibility, and		_	
Fall 2007	PHL414	414	Law	PHL	У	4 punishment.	UG	LE	Lecture
						Detailed examination of one of			
						the outstanding philosophical			
			Philosophical		Philosoph	problems-ancient, medieval,			
Fall 2007	PHL415	415	Problems	PHL	У	4 and/or contemporary.	UG	LE	Lecture
						This course treats logic as an			
						object rather than a subject.			
						Although it contains extensions			
						to higher order logic, its main			
						concern will be with the use of			
			Advanced		Philosoph	logic and with the limitations of			
Fall 2007	PHL423	423	Logic	PHL	у	4 logical systems.	UG	LE	Lecture
						Investigation of philosophical			
						theories concerning the nature of			
						mathematics, the ground of			
						mathematical knowledge, the			
						necessity of mathematical truth,			
						the empirical relevance of			
						mathematics, and the			
						relationships between			
			Mathematical		Philosoph	·			
Fall 2007	PHL424	424	Philosophy	PHL	V	4 general philosophy.	UG	LE	Lecture
Fall 2007	PHI 424	121	Mathematical Philosophy	DHI	Philosoph	mathematical philosophy and	LIG	l F	Lecture

						An interest estimate different			
						An introduction to different			
						theories of meaning, to different			
						theories of signs, and to the			
						problems of ambiguity,			
			Philosophy of		Philosoph	vagueness, denotation,			
Fall 2007	PHL425	425	Language	PHL	У	4 connotation, and metaphor.	UG	LE	Lecture
						Critical examination of political			
						ideas from 500 B.C. to A.D. 1500			
						with special attention to Plato,			
			Classical &			Aristotle, Cicero, St. Augustine,			
			Medieval Pol		Philosoph	St. Thomas Aquinas, Luther,			
Fall 2007	PHL431	431	Phil	PHL	У	4 Calvin, and Machiavelli.	UG	LE	Lecture
						Critical examination of political			
						ideas from 1600 to 1900, with			
						special attention to Hobbes,			
			Modern			Locke, Rousseau, Montesquieu,			
			Political		Philosoph	Hume, Burke, Hegel, Bentham,			
Fall 2007	PHL432	432	Philosophy	PHL	у	4 Marx, and Mill.	UG	LE	Lecture
						Examination of philosophical			
						ideas found in literature,			
						philosophical interpretations of			
			Philosophy		Philosoph	literature, and evaluation of			
Fall 2007	PHL442	442	and Literature	PHL	у	4 theories and aesthetics of	UG	LE	Lecture
						Perennial themes in Asian			
						cultures (such as individual,			
						society, and cosmos; appearance			
						and reality; time and history;			
						and karma, freedom, and			
			Asian			responsibility) as they have been			
			Religious		Philosoph	treated in the philosophical			
Fall 2007	PHL443	443	Philosophy	PHL	y	4 traditions of these cultures.	UG	LE	Lecture

Fall 2007	PHL465	465	Advanced Analysis	PHL	Philosoph y	4	Investigation of certain problems and attempted solutions that have occupied major contemporary Anglo-American philosophers such as Moore, Russell, Wittgenstein, Carnap, Ryle, Austin, Strawson, and Quine.	UG	LE	Lecture
Fall 2007	PHL467	467	philosophy of Mind	PHL	Philosoph y		Classical and contemporary approaches to such issues as the nature of mind, relationships of mind to body, knowledge of other minds, intentionality, perception, and agency.	UG	LE	Lecture
Fall 2007	PHL467W	44711	Writing in PHL 467	PHL	Philosoph y	0		UG	LB	Lab
Fall 2007	PHL471	471	Philosophy of Physical Science	PHL	Philosoph y		Analysis of views concerning scientific explanation, the logic of theory testing, and the ontological status of theoretical entities; philosophical examination of the concepts of space, time, matter, and motion from classical physics to	UG	LE	Lecture
		472	Philosophy of		Philosoph		Analysis of views concerning concept and theory formation in the social sciences, problems in objectivity and value, justification of Verstehen, mechanism vs. teleological explanations, and		LE	
Fall 2007	PHL472	4/2	Social Science Independent	PHL	y Philosoph		reductionism. Faculty-directed readings in	UG	LE	Lecture Independe
Fall 2007	PHL481	481	Reading	PHL	V		philosophic literature.	UG	IS	nt Study
. an 2007		101	Independent		Philosoph		Faculty-directed readings in			Independe
Fall 2007	PHL482	482	Reading	PHL	у		philosophic literature.	UG	IS	nt Study
			Independent		Philosoph		Faculty-directed readings in			Independe
Fall 2007	PHL483	483	Reading	PHL	у	3	philosophic literature.	UG	IS	nt Study

						Investigation of classical and contemporary attempts to			
					Philosoph	develop a theory of the nature of			
Fall 2007	PHL495	495	Metaphysics	PHL	v	4 being and reality.	UG	LE	Lecture
1 411 2007	1112170	170	Problems of		Philosoph	Origin, certainty, and extent of			Lootaro
Fall 2007	PHL496	496	Knowledge	PHL	V	4 human knowledge.	UG	LE	Lecture
					,	Courses of variable content			
			Studies -			dealing with topics in ancient			
			Political		Philosoph	and modern political philosophy.			
Fall 2007	PHL532	532	Philosophy	PHL	у .	4 May be repeated.	GR	LE	Lecture
						Study of theories concerning the			
						nature of the work of art,			
					Philosoph	aesthetic experience, the arts,			
Fall 2007	PHL541	541	Aesthetics	PHL	у	4 and beauty.	GR	LE	Lecture
						Ethical issues confronting society			
						in the area of medicine and			
						health care, considered from the			
						perspective of philosophical and			
						theological ethics. Examples			
						include ethics of abortion,			
			Ethics and		Philosoph	euthanasia, experimental			
Fall 2007	PHL578	578	Medicine	PHL	У	4 medicine, and behavior control.	GR	LE	Lecture
						(Listed jointly with REL 582.)			
						Realism and the revolt against			
						idealism. Cross-disciplinary			
						analysis of major contemporary			
						process philosophers, and the			
			Philosophy of			implications of their thoughts for			
			Religion:Proce		Philosoph	religion. Focus on Alfred North			
Fall 2007	PHL582	582	SS	PHL	у	4 Whitehead.	GR	LE	Lecture

						(Listed jointly with REL 583.) Cross-disciplinary analysis of modes of human awareness through which religious meaning is expressed. Examination of
						presuppositions of contemporary secular religious movements in
			Philosophy of			existentialism. The problem of
			Religion: Secul		Philosoph	the ultimate from the secular
Fall 2007	PHL583	583	ar	PHL	V	4 perspective. GR LE Lecture
		1	Studies in		,	
			Selected		Philosoph	Problems, approaches, and
Fall 2007	PHL599	599	Subjects	PHL	у	1 topics in the field of philosophy. GR LE Lecture
						Introduction to the major
						writings of the outstanding
						philosophers. Involves
			Major		Philosoph	presentation and critical
Fall 2007	PHL601	601	Philosophers	PHL	У	4 examination of the philosophers' GR LE Lecture
						(Listed jointly with Mth 623.)
						Treats logic as an object rather
						than as a subject. Although it contains extensions to higher
						order, its main concern is with
			Advanced		Philosoph	use of logic and with limitations
Fall 2007	PHL623	623	Logic	PHL	V	3 of logical systems. GR LE Lecture
1 411 2007	1112020	020	Logic		J J	Investigation of philosophical
						theories concerning the nature of
						mathematics, the ground of
						mathematical knowledge, the
						necessity of mathematical truth,
						the empirical relevance of
						mathematics, and the
						relationships between
			Mathematical		Philosoph	mathematical philosophy and
Fall 2007	PHL624	624	Philosophy	PHL	у	4 general philosophy. GR LE Lecture

						(Listed jointly with PLS 601.)	
						Critical examination of political	
						ideas from 500 B.C. to 1500 A.D.	
						with emphasis on Plato, Aristotle,	
			Clsscl &			Cicero, St. Augustine, St.	
			Medieval &		Philosoph	Thomas, Aquinas, Luther, Calvin,	
Fall 2007	PHL631	631	Pltcl Phil	PHL	y '		ecture
						Critical examination of political	
						ideas from 1600 to 1900 with	
						emphasis on Hobbes, Locke,	
			Modern			Rousseau, Montesquieu, Hume,	
			Political		Philosoph	Burke, Hegel, Bentham, Marx,	
Fall 2007	PHL632	632	Philosophy	PHL	у .		ecture
						Examination of philosophical	
						ideas found in literature,	
						philosophical interpretations of	
			Philosophy		Philosoph	literature, and evaluations of	
Fall 2007	PHL642	642	and Literature	PHL	y	4 theories and aesthetics of GR LE Le	ecture
						Perennial themes in Asian	
						cultures, such as individual,	
						society, and cosmos; appearance	
						and reality; time and history;	
						and karma, freedom, and	
						responsibility. Treatment of	
			Asian Religous		Philosoph	these themes in the philosophical	
Fall 2007	PHL643	643	Philosophy	PHL	у	4 traditions of Asian cultures. GR LE Le	ecture
						Classical and contemporary	
						approaches to such issues as the	
						nature of mind, relationships of	
						mind to body, knowledge of	
			Philosophy of		Philosoph	other minds, intentionality,	
Fall 2007	PHL667	667	Mind	PHL	у	4 perception, and agency. GR LE Le	ecture
			Independent		Philosoph	Faculty-directed readings in	
Fall 2007	PHL681	681	Reading	PHL	у	3 philosophical literature. GR LE Le	ecture
			Independent		Philosoph	Faculty-directed readings in	
Fall 2007	PHL682	682	Reading	PHL	у	3 philosophical literature. GR LE Le	ecture
			Independent		Philosoph	Faculty-directed readings in In	ndepende
Fall 2007	PHL683	683	Reading	PHL	у	3 philosophical literature. GR IS nt	t Study

					Philosoph		Representative writers of the			
Fall 2007	PHL694	694	Existentialism	PHL	у	4	existentialist movement.	GR	LE	Lecture
							Investigation of classical and			
							contemporary attempts to			
					Philosoph		develop a theory of the nature of			
Fall 2007	PHL695	695	Metaphysics	PHL	у	4	being and reality.	GR	LE	Lecture
İ					Philosoph		Origin, certainty, and extent of			
Fall 2007	PHL696	696	Epistemology	PHL	у	4	human knowledge	GR	LE	Lecture
			Research in		Philosoph					Independe
Fall 2007	PHL751	751	Philosophy	PHL	у	1	Independent study.	GR	IS	nt Study
			Research in		Philosoph					Independe
Fall 2007	PHL752	752	Philosophy	PHL	у	1	Independent study.	GR	IS	nt Study
			Research in		Philosoph					Independe
Fall 2007	PHL753	753	Philosophy	PHL	у	1	Independent study.	GR	IS	nt Study
							Introduction to general principles			
							of pharmacology, drug			
							classification, and the sites and			
					Pharmaco		mode of action of selected drug			
Fall 2007	PHR340	340	Pharmacology	PHR	logy	3	agents.	UG	LE	Lecture
							Covers basic principles of			
							pharmacology, including dose-			
							response relationships,			
							mechanisms of drug action and			
							resistance, the concept of drug			
							receptors and specific binding,			
			Intro to		Pharmaco		and biological transport and			
Fall 2007	PHR410	410	Pharmacology	PHR	logy	3	distribution of drugs.	UG	LE	Lecture
							Experiential learning for honors			
			Honors				program students interested in			
			Pharmacology		Pharmaco		basic biomedical research.			
Fall 2007	PHR495	495	Res	PHR	logy	2	Tutorial with laboratory.	UG	LB	Lab
							Experiential learning in which			
							students participate in ongoing			
			Undergraduat		Pharmaco		research projects. Tutorial with			Independe
Fall 2007	PHR499	499	e Research	PHR	logy	1	laboratory.	UG	IS	nt Study
<u> </u>			Principles of				Introductory-level laboratory		_	
Fall 2007	PHY101	101	Physics Lab	PHY	Physics	1	problems.	UG	LB	Lab

			Principles of			I	ntroductory-level laboratory			
Fall 2007	PHY102	102	Physics Lab	PHY	Physics		problems.	UG	LB	Lab
			Principles of				ntroductory-level laboratory			
Fall 2007	PHY103	103	Physics Lab	PHY	Physics		problems.	UG	LB	Lab
							Study of wave motion with an			
							orientation toward phenomena			
							experienced by our senses, such			
			Sounds and				is musical sounds, noise, and			
Fall 2007	PHY105	105	Colors	PHY	Physics		he colors occurring in nature.	UG	LE	Lecture
							ntroduction to astronomy with			
							emphasis on the solar system.			
							opics include the earth-moon			
							ystem, other planets and their			
							atellites, space exploration, and			
			Planetary				heories for the origin of the			
Fall 2007	PHY106	106	Astronomy	PHY	Physics		olar system.	UG	LE	Lecture
							ntroduction to astronomy with			
							emphasis on the universe of			
			Stars,				tars and galaxies. Covers stellar			
- U 0007	DI 10/4 0.7	407	Galaxies, &	DI DI	D		evolution, astrophysics, and			
Fall 2007	PHY107	107	The Cosmos	PHY	Physics		osmology.	UG	LE	Lecture
							ntroduction to the fundamental			
							physics of mechanics. Topics			
							nclude laws of motion, work and			
			Duinciples				energy, momentum, circular and			
F-II 2007	DUVAAA	111	Principles of	DLIV	Dhusias		otational motion, gravity, and	110		1
Fall 2007	PHY111	111	Physics	PHY	Physics	4 []	luids.	UG	LE	Lecture
			Principles-							
Fall 2007	PHY111R	111R	Physics Recitation	PHY	Dhysias	0 5	Required recitation for PHY 111.	UG	RE	Recitation
Fall 2007	PHYTTIK	IIIK	Recitation	PHY	Physics		ntroduction to the fundamental	UG	KE	Recitation
							physics of waves,			
			Principles of				hermodynamic laws, electric			
Fall 2007	PHY112	112	Physics	PHY	Physics		charge and field, electric current,	UG	LE	Lecture
. 411 2007	7 111 112		Principles-	1	1113000	7 0	a. go ana noia, cicotilo carrelli,			Lociuio
			Physics							
Fall 2007	PHY112R	112R	Recitation	PHY	Physics	0 R	Required recitation for PHY 112.	UG	RE	Recitation

						Introduction to the fundamental	6		
						of magentism, optics and			
						modern physics. Topics include			
						magnetic fields, electromagnetic			
						induction, electromagnetic			
						waves, geometric and wave			
						optics, optical instruments,			
			Principles of			relativity, quantum theory, and			
Fall 2007	PHY113	113	Physics	PHY	Physics	4 nuclear physics.	UG	LE	Lecture
			Principles-			1 2			
			Physics						
Fall 2007	PHY113R	113R	Recitation	PHY	Physics	0 Required recitation for PHY 113.	UG	RE	Recitation
			Sounds and			Experiments to illustrate the			
			Colors			physical aspects of what we see			
Fall 2007	PHY115	115	Laboratory	PHY	Physics	1 and hear.	UG	LB	Lab
			Planetary						
			Astronomy			Astronomical observations and			
Fall 2007	PHY116	116	Laboratory	PHY	Physics	1 experiments.	UG	LB	Lab
						Astronomical observations and			
						measurements, laboratory			
			Stars, Galaxies			experiments, and a visit to a			
Fall 2007	PHY117	117		PHY	Physics	1 plane-tarium.	UG	LB	Lab
			Writing in PHY						
Fall 2007	PHY117W	117W	117	PHY	Physics	0	UG	LB	Lab
			General						
			Physics			Introductory physics laboratory			
Fall 2007	PHY200	200	Laboratory	PHY	Physics	1 problems in mechanics.	UG	LB	Lab
			General			Introductory physics laboratory			
			Physics			problems in electricity and			
Fall 2007	PHY202	202	Laboratory	PHY	Physics	1 magnetism.	UG	LB	Lab
			General			Introductory physics laboratory			
			Physics			problems in heat, sound,			
Fall 2007	PHY204	204	Laboratory	PHY	Physics	1 mechanics, and optics.	UG	LB	Lab
			Writing in PHY						
Fall 2007	PHY204W	204W	204	PHY	Physics	0	UG	LB	Lab

Fall 2007	PHY240	240	General Physics	РНҮ	Physics	Introductory survey of mechanics for science and engineering students. Introduces the use of calculus in interpreting physical phenomena. Topics include vectors, kinematics, dynamics, energy, momentum, rotation, and statics. Three hours 4 lecture, one hour recitation.		LE	Lecture
			General						
Fall 2007	PHY240R	240R	Physics Recitation	PHY	Physics	0 Required recitation for PHY 240.	UG	RE	Recitation
Fall 2007	PHY242	242	General Physics	РНҮ	Physics	Introductory survey of electricity and magnetism. Uses calculus in interpreting physical phenomena. Topics include electric field and potential, currents, DC circuits, magnetic fields, and Faraday's law. Three hours lecture, one 4 hour recitation.	UG	LE	Lecture
Fall 2007	PH1242	242	General	PHI	PHYSICS	4 Hour recitation.	UG	LE	Lecture
Fall 2007	PHY242R	242R	Physics Recitation	PHY	Physics	0 Required recitation for PHY 242. Introductory survey of	UG	RE	Recitation
Fall 2007	PHY244	244	General Physics	PHY	Physics	thermodynamics, oscillations and waves, sounds, fluids, gravity, and optics. Calculus is required in interpreting physical	UG	LE	Lecture
Fall 2007	PHY244R	244P	General Physics Recitation	PHY	Physics	0 Required recitation for PHY 244.	UG	RE	Recitation

		0.45	Concepts in				An accelerated treatment of fundamental concepts and applications of physics for elementary education majors. Practical observable topics appropriate for presentation to elementary and middle school students will be emphasized. Includes laboratory experiences,			Lecture/La b Combinatio
Fall 2007	PHY245	245	Physics Concepts & Appl in Physics	PHY	Physics	4.5	demonstrations, and projects. Basic concepts and everyday applications of physics topics including motion, forces and energy. Topics are integrated	UG	LL	Lecture/La b Combinatio
Fall 2007	PHY246	246	I	PHY	Physics	4.5	with Mathematics.	UG	LL	n
Fall 2007	PHY260	260	Intro-Modern Physics Intro-Modern	PHY	Physics	4	theoretical concepts of modern physics, such as special theory of relativity and quantum theory; atomic and molecular structure and spectra; x-rays and solid state physics; nuclear structure, reactions, and natural radioactivity; and instrumentation for nuclear physics research. One hour is devoted to demonstrations and	UG	LL	Lecture/La b Combinatio n
Fall 2007	PHY260L	260L	Physics Lab	PHY	Physics	0	Required laboratory for PHY 260.	UG	LB	Lab
Fall 2007	PHY260W		Writing in PHY 260		Physics		Required writing component for PHY 260.	UG	LB	Lab
Fall 2007	PHY310	310	Issues in Science	PHY	Physics	3	A writing intensive course dealing with issues in science Intermediate-level laboratory problems. Acquaints students	UG	LE	Lecture
Fall 2007	PHY314	314	Intermediate Physics	PHY	Physics	2	with wide variety of experimental techniques in many areas of classical and modern physics.	UG	LE	Lecture

			Intermediate						
Fall 2007	PHY314L	314L	Physics Lab	PHY	Physics	0 Required laboratory for PHY 314.	UG	LB	Lab
						Physics laboratory experiments			
						with an emphasis on electrical			
						measurements and electronic			
						instru-ments. Lectures on circuit			
			Physics			theory, experiment design, and			
			Instrumentatio			electronic instruments. 1.5 hours			
Fall 2007	PHY315	315	n I	PHY	Physics	3 lecture, three hours lab.	UG	LE	Lecture
			Physics						
			Instrumentatio						
Fall 2007	PHY315L	315L	n Lab I	PHY	Physics	0 Required laboratory for PHY 315.	UG	LB	Lab
						Experiments emphasizing			
						electronic instruments applied to			
						areas such as mechanics, atomic			
						physics, and nuclear physics.			
						Lectures on appli-cations of			
						integrated circuits to			
			Physics			experimentation, data analysis,			
			Instrumentatio			and data presentation. 1.5 hours			
Fall 2007	PHY316	316		PHY	Physics	3 lecture, three hours lab.	UG	LE	Lecture
			Physics						
			Instrumentatio						
Fall 2007	PHY316L	316L	n Lab II	PHY	Physics	O Required laboratory for PHY 316.	UG	LB	Lab
Fall 2007	PHY316W	316W	Writing in PHY	PHY	Physics	0	UG	LB	Lab
						Study of optical instruments by			
						means of both geometrical and			
						physical optics. Theory and			
						application of interferometry and			
						light detection devices. Brief			
						introduction to lasers and			
						holography. Three hours lecture,			
Fall 2007	PHY322	322	Applied Optics	PHY	Physics	4 two hours lab.	UG	LE	Lecture
			Applied Optics						
Fall 2007	PHY322L	322L	Laboratory	PHY	Physics	0 Required laboratory for PHY 322.	UG	LB	Lab

							Basic concepts and applications in physics including electricity, magnetism, optics, waves, simple machines. Inquiry			
							learning environment			
							emphasizing science process and			Lecture/La
			Concepts &				mathematical reasoning,			b
E !! 0007	DI IV (0.4.)	0.4.4	Appl in Physics		5		problem-solving, technology and			Combinatio
Fall 2007	PHY346	346	11	PHY	Physics	4.5	societal connections.	UG	LL	n
							Intermediate problems in the			
							dynamics of motion in 1,2 and 3			
							dimensions. Mathematical and			
							computational approaches are			
							applied to systems with non-			
			Analytical			_	constant forces, central forces,			
Fall 2007	PHY371	371	Mechanics	PHY	Physics	3	and oscillations.	UG	LE	Lecture
							Problems in motion and energy			
							of systems of particles and			
							extended objects. Mathematical			
							and computational approaches,			
							including the Lagrange method,			
							are studied and applied to rigid			
			Analytical				body motion, and motion in non-		_	
Fall 2007	PHY372	372	Mechanics	PHY	Physics	3	inertial coordinate systems.	UG	LE	Lecture
							Crystal structure, energy bands,			
							charge carriers, and carrier			
							motion in semiconductors.			
							Electrical and optical properties.			
							P-N junction diodes. Equilibrium,			
							dc, ac, and transient			
			Semiconductor				characteristics. Metal-			
Fall 2007	PHY400	400	Materials	PHY	Physics	3	Semiconductor junctions. Device	UG	LE	Lecture
							Structure and characteristics of			
							bipolar transistors, field effect			
							transistors, and other selected			
			Semiconductor				devices. Design and computer			
Fall 2007	PHY401	401	Device Physics	PHY	Physics	3	modeling of devices.	UG	LE	Lecture

							First and second laws of			
							thermodynamics; general			
			Thermodynam				thermodynamic formulas with			
Fall 2007	PHY420	420	ics	PHY	Physics	3	applications to matter.	UG	LE	Lecture
							Topics include kinetic theory of			
			Statistical				gases, Maxwell-Boltzmann			
			Thermodynam				statistics, and an introduction to			
Fall 2007	PHY421	421	ics	PHY	Physics	3	quantum statistics.	UG	LE	Lecture
							Introduction to principles of			
							gravity, magnetic, seismic,			
							electrical, and radioactive			
			Geophysical				prospecting. Four hours lecture,			
Fall 2007	PHY422	422	Prospecting	PHY	Physics	5	two hours lab.	UG	LE	Lecture
			Geophysical							
			Prospecting							
Fall 2007	PHY422L	422L	Lab	PHY	Physics	0	Required laboratory for PHY 422.	UG	LB	Lab
							Study of the theory, observation,			
							and analysis of seismic			
			Seismic				phenomena as applied to			
Fall 2007	PHY423	423	Exploration	PHY	Physics	4	geologic exploration.	UG	LE	Lecture
			Seismic							
			Exploration							
Fall 2007	PHY423L	423L	Lab	PHY	Physics	0	Required laboratory for PHY 423.	UG	LB	Lab
							Study of the theory of the earth's			
							gravitational and magnetic fields			
							and the application of these			
			Gravity &				principles to resource			
			Magnetic				exploration. Three hours lecture,			
Fall 2007	PHY424	424	Exploration	PHY	Physics	4	two hours lab.	UG	LE	Lecture
			Gravity							
			Exploration							
Fall 2007	PHY424L	424L	Lab	PHY	Physics	0	Required laboratory for PHY 424.	UG	LB	Lab
			Topical							
			Concepts-							
Fall 2007	PHY425	425	Geophysics	PHY	Physics	4	Special topics in Geophysics.	UG	LE	Lecture

			Topicl Concepts- Geophysics							
Fall 2007	PHY425L	425L	Lab	PHY	Physics	0	Required laboratory for PHY 425.	UG	LB	Lab
Fall 2007	PHY426	426	Geophysics Seminar	PHY	Physics		Literature Survey and student presentations on selected topics in geophysics.	UG	SE	Seminar
							Introduction to the physics of lasers including emission and absorption processes in lasing, the factors controlling laser gain, the properties of optical resonators, and a survey of salient features for principal			Lecture/La b Combinatio
Fall 2007	PHY432	432	Lasers	PHY	Physics	3	types of lasers.	UG	LL	n
Fall 2007	PHY437	437	Seismic Data Processing	PHY	Physics	4	Digital filtering, deconvolution and migration of seismic data.	UG	LE	Lecture
			Intro Nanosci/Nanot				Introduction to nanoscience and technology. Topics include introduction to quantum mechanics, fabrication, characterization, materials, electronic properties, optical properties, magnetic properties,			
Fall 2007	PHY440	440	ech	PHY	Physics	4	devices, MEMS and NEMS.	UG	LE	Lecture
							Interaction of light and matter and interpretation of these phenomena using the electromagnetic wave theory of radiation. Topics include emission, absorption, scattering, polarization, interference, diffraction, coherence, and			
Fall 2007	PHY442	442	Physical Optics	PHY	Physics	4	holography.	UG	LE	Lecture

				T					
						Integration of physics and			
						mathematics, including science			
						and math standards, physics			
						education issues, inquiry			
						teaching practices, and			
						assessment addressed in the			
			Integrating			context of science and math			
			Phys Sci &			process skills, measurement, and			
Fall 2007	PHY445	445	Math I	PHY	Physics	4 properties of matter.	UG	LE	Lecture
						Integration of physics and math,			
						including science and math			
						standards, physics education			
						issues, inquiry teaching,			
						practices, assessment and			
			Integrating			technology addressed in the			
			Phys Sci &			context of kinematics, forces,			
Fall 2007	PHY446	446	Math II	PHY	Physics	4 and energy transfers.	UG	LE	Lecture
						Integration of physics and			
						mathematics, science and math			
						standards, physics education			
						issues, inquiry teaching,			
						assessment, technology will be			
			Integrating			addressed in the context of			
			Phy Sci &			electricity, magnetism, waves,			
Fall 2007	PHY447	447	Math III	PHY	Physics	4 optics.	UG	LE	Lecture
						Fundamental laws of electricity			
						and magnetism from viewpoint			
						of fields. Review of vector			
			Electricity and			analysis; electrostatics; special			
Fall 2007	PHY450	450	Magnetism	PHY	Physics	3 techniques in electrostatics;	UG	LE	Lecture
						Fundamental laws of electricity			
						and magnetism from viewpoint			
						of fields. Electric fields in matter;			
						magnetic fields in matter;			
			Electricity and			eletrodynamics; conservation			
Fall 2007	PHY451	451	Magnetism	PHY	Physics	3 laws.	UG	LE	Lecture

							Fundamental laws of electricity			
							and magnetism from viewpoint			
							of fields. Electromagentic waves;			
							time-dependent potentials and			
							fields; radiation; resonant			
			Electricity and				cavities; waveguides and			
Fall 2007	PHY452	452	Magnetism	PHY	Physics	3	transmission lines.	UG	LE	Lecture
							Mathematical structure of			
							quantum mechanics. Applications			
			Intro to				to selected one- and three-			
			Quantum				dimensional problems with			
Fall 2007	PHY460	460	Mechanics	PHY	Physics	4	emphasis on atomic structure.	UG	LE	Lecture
							Selected properties of solids and			
							their quantitative explanation in			
							terms of simple physical models.			Lecture/La
							Applications of quantum			b
			Intro to Solid				mechanics to solids. Three hours			Combinatio
Fall 2007	PHY461	461	State Physics	PHY	Physics	4	lecture, two hours lab.	UG	LL	n
							Nuclear properties and models,			
							radioactive decay, nuclear			
			Nuclear &				applications, elementary particle			
			Particle				properties and interactions, the			
Fall 2007	PHY462	462	Physics	PHY	Physics	4	standard model.	UG	LE	Lecture
			Selected							Independe
Fall 2007	PHY470	470	Topics	PHY	Physics	1	Selected topics in physics.	UG	IS	nt Study
							Introduction to classical			
			Intro to				theoretical physics. Emphasis on			
			Theoretical				mechanics and mathematical			
Fall 2007	PHY480	480	Physics	PHY	Physics	4	techniques.	UG	LE	Lecture
							Continuation of PHY 480.			
			Intro to				Emphasis on electromagnetic			
			Theoretical				field theory and mathematical			
Fall 2007	PHY481	481	Physics	PHY	Physics	3	techniques.	UG	LE	Lecture
							Continuation of PHY 481.			
			Intro to				Emphasis on electromagnetic			
			Theoretical			_	field theory and mathematical			
Fall 2007	PHY482	482	Physics	PHY	Physics	3	techniques.	UG	LE	Lecture

			Independent							Independe
Fall 2007	PHY488	488	Reading	PHY	Physics	1		UG	IS	nt Study
							Selected problems in			
							experimental and theoretical			
			Senior				physics with critical analysis of			Independe
Fall 2007	PHY494	494	Projects	PHY	Physics	3	results.	UG	IS	nt Study
			Writing in PHY				Required writing compnent for			
Fall 2007	PHY494W	494W	494	PHY	Physics	0	PHY 494.	UG	LB	Lab
							Special research in a recognized			
							branch of physics, usually related			
			Special Hon				to research carried on by the			
			Research				department. Critical analysis of			Independe
Fall 2007	PHY499	499	Problems	PHY	Physics	3	results required.	UG	IS	nt Study
			Writing in PHY				Required writing component for			
Fall 2007	PHY499W	499W	499	PHY	Physics	0	PHY 499.	UG	LB	Lab
							Special topics, problems or			
			Spec Problem				research designed for specific			Independe
Fall 2007	PHY599	599	in Physics	PHY	Physics	1	needs and talents of the student.	GR	IS	nt Study
							Study of crystal structure;			
							selected topics in quantum			
							theory; electron band structure;			
							charge carriers in			
							semiconductors; generation,			
							recombination, and motion of			
							charge carriers; electrical and			
			Intro-				optical properties; and structure			
			Semiconductor				and characteristics of p-n			
Fall 2007	PHY600	600	Materials	PHY	Physics	3	junctions.	GR	LE	Lecture
							Covers the structure and			
							characteristics of bipolar			
							transistors, field effect			
							transistors, and other selected			
			Semiconductor				devices. Design and computer			
Fall 2007	PHY601	601	Device Physics	PHY	Physics	3	modeling of devices.	GR	LE	Lecture

							Survey of the individual			
							processes used in fabricating			
							semiconductor devices.			
			Semiconductor				Integration of these processes to			
			Device				produce MOS and bipolar			
Fall 2007	PHY602	602	Processin	PHY	Physics	3	structures. Computer design	GR	LE	Lecture
							Introduction to hand and			
							machine tools in the fabrication			
							of laboratory equipment.			
							Emphasis is on a "hands-on"			
							approach. Practical experiences			Lecture/La
			Laboratory				are given in vacuum and			b
			Arts &				soldering technology involving			Combinatio
Fall 2007	PHY610	610	Techniques	PHY	Physics	2	commonly utilized materials.	GR	LL	n
							Physics laboratory experiments			
							with an emphasis on electrical			
							measurements and electronic			
							instruments. Lectures on circuit			
			Physics				theory, experiment design, and			
			Instrumentatio			_	electronic instruments. 1.5			
Fall 2007	PHY615	615	n I	PHY	Physics	3	hours lecture, 3 hours lab.	GR	LE	Lecture
			Physics							
F-II 0007	DUNGATI	/ 4 5 1	Instrumentatio		Discorder	0	Demoised lebenstons for DUV /45	CD.	l D	1 - 1-
Fall 2007	PHY615L	615L	n Lab I	PHY	Physics	0	Required laboratory for PHY 615.	GR	LB	Lab
							Experiments emphasizing			
							electronic instruments applied to areas such as mechanics, atomic			
							physics, and nuclear physics.			
							Lectures on applications of			
							integrated circuits to			
			Physics				experimentation, data analysis,			
			Instrumentatio				and data presentation. 1.5			
Fall 2007	PHY616	616	n II	PHY	Physics	3	hours lecture, 3 hours lab.	GR	LE	Lecture
1 an 2007		0.0	Physics		. 1135105	<u> </u>	Tiodio fottalo, o fiodio lab.			Locialo
			Instrumentatio							
Fall 2007	PHY616L	616L	n II Lab	PHY	Physics	0	Required laboratory for PHY 616.	GR	LB	Lab

							Covers the first and second laws			
							of thermodynamics: general			
			Thermodynam				thermodynamic formulas with			
Fall 2007	PHY620	620	ics	PHY	Physics	3	applications to matter.	GR	LE	Lecture
					J		Covers the kinetic theory of			
			Statistical				gases. Maxwell-Boltzmann			
			Thermodynam				statistics, and an introduction to			
Fall 2007	PHY621	621	ics	PHY	Physics	3	quantum statistics.	GR	LE	Lecture
							Study of optical instruments by			
							means of both geometric and			
							physical optics. Theory and			
							applications of interferometry			
							and light detection devices. Brief			
							introduction to lasers and			
							holography. 4 hours lab for five			
Fall 2007	PHY622	622	Applied Optics	PHY	Physics	4	weeks, 3 hours lecture.	GR	LE	Lecture
			Applied optics							
Fall 2007	PHY622L	622L	Laboratory	PHY	Physics	0	Required laboratory for PHY 622.	GR	LB	Lab
							Introduction to the physics of			
							lasers including emission and			
							absorption processes in lasing,			
							the factors controlling laser gain,			
							the properties of optical			Lecture/La
							resonators, and a survey of			b
							salient features for principal			Combinatio
Fall 2007	PHY632	632	Lasers	PHY	Physics	3	types of lasers.	GR	LL	n
							Introduction to nanoengineering,			
							nanoscience and			
							nanotechnology. Topics include			
							introduction to quantum			
							mechanics, fabrication,			
							characterization, materials,			
			Nanoegr and				electronic properties, optical			
Fall 2007	PHY640	640	Nanosci	PHY	Physics	4	properties, magnetic properties,	GR	LE	Lecture

Fall 2007	DLIVAA	(42	Dhypiagl Ontico	DLIV	Dhusica	Interaction of light and matter and the interpretation of these phenomena using the electromagnetic wave theory of radiation. Topics include emission, coherence, and holography, interference, diffraction, absorption,	CD		Locativas
Fall 2007	PHY642	642	Physical Optics Integrating Phy Sci &	РНҮ	Physics	4 scattering, and polarization. Integration of physics and mathematics, fulfilling science and math standards, physics education issues, inquiry teaching practices, and assessment will be addressed in the context of science and math process skills, measurement, and	GR	LE	Lecture
Fall 2007	PHY645	645	Math I Integrating Phy Sci &	PHY	Physics	4 properties of matter. Integration of physics and mathematics, science and math standards, physics education issues, inquiry teaching, assessment and technology will be addressed in the context of kinematics, forces and energy	GR	LE	Lecture
Fall 2007	PHY646	646	Math II Integrating Phy Sci &	PHY	Physics	Integration of physics and mathematics, science and math standards, physics education issues, inquiry teaching, assessment, technology will be addressed in the context of electricity, magnetism, waves,	GR	LE	Lecture
Fall 2007	PHY647	647	Math III	PHY	Physics	4 optics.	GR	LE	Lecture

						Frontier and Charles			1
						Fundamental laws of electricity			
						and magnetism presented from			
						the viewpoint of field theory.			
						Maxwell's equations, transient			
						and steady state currents,			
						electric and magnetic properties			
			Electricity and			of matter, and electromagnetic			
Fall 2007	PHY650	650	Magnetism	PHY	Physics	3 radiation.	GR	LE	Lecture
						Fundamental laws of electricity			
						and magnetism presented from			
						the viewpoint of field theory.			
						Maxwell's equations, transient			
						and steady state currents,			
						electric and magnetic properties			
			Electricity and			of matter, and electromagnetic			
Fall 2007	PHY651	651	Magnetism	PHY	Physics	3 radiation.	GR	LE	Lecture
						Fundamental laws of electricity			
						and magnetism presented from			
						the viewpoint of field theory.			
						Maxwell's equations, transient			
						and steady state currents,			
						electric and magnetic properties			
			Electricity and			of matter, and electromagnetic			
Fall 2007	PHY652	652	Magnetism	PHY	Physics	3 radiation.	GR	LE	Lecture
						Mathematical structure of			
						quantum mechanics. Applications			
			Intro to			to selected one- and three-			
			Quantum			dimensional problems with			
Fall 2007	PHY660	660	Mechanics	PHY	Physics	4 emphasis on atomic structure.	GR	LE	Lecture
						Selected properties of solids and			
						their quantitative explanation in			
						terms of simple physical models.			Lecture/La
						Applications of quantum			b
			Intro to Solid			mechanics to solids. 3 hours			Combinatio
Fall 2007	PHY661	661	State Physics	PHY	Physics	4 lecture, 2 hours lab	GR	LL	n

							Special theory of relativity.			
							Nuclear radiation, nuclear			
			Intr-Nuclear				properties, nuclear			
			Phys &				transformations, and elementary			
Fall 2007	PHY662	662	Relativity	PHY	Physics	4	particles and interactions.	GR	LE	Lecture
			,				Intermediate problems in statics,			
							kinematics, and dynamics; the			
							study of equilibrium of forces,			
							rectilinear motion, curvilinear			
							motion, central forces,			
							constrained motion, energy and			
			Analytical				moments of inertia; and the			
Fall 2007	PHY671	671	Mechanics I	PHY	Physics	3	Lagrange method.	GR	LE	Lecture
1							Intermediate problems in statics,			
İ							kinematics, and dynamics; the			
							study of equilibrium of forces,			
							rectilinear motion, curvilinear			
							motion, central forces,			
							constrained motion, energy and			
			Analytical				moments of inertia; and the			
Fall 2007	PHY672	672	Mechanics II	PHY	Physics	3	Lagrange method.	GR	LE	Lecture
·							Survey of the field of			
							mathematical physics including			
							vector analysis, analytical			
			Mathematical				mechanics, electromagnetism,			
Fall 2007	PHY673	673	Physics	PHY	Physics	3	and thermodynamics.	GR	LE	Lecture
·							Survey of the field of			
							mathematical physics including			
							vector analysis, analytical			
			Mathematical				mechanics, electromagnetism,			
Fall 2007	PHY674	674	Physics	PHY	Physics	3	and thermodynamics.	GR	LE	Lecture
							Survey of the field of			
							mathematical physics including			
							vector analysis, analytical			
			Mathematical				mechanics, electromagnetism,			
Fall 2007	PHY675	675	Physics	PHY	Physics	3	and thermodynamics.	GR	LE	Lecture

			Intro to				Classical theoretical physics with emphasis on mechanics,			
			Theoretical				electromagnetic field theory, and			
Fall 2007	PHY680	680	Physics	PHY	Physics	4	mathematical techniques.	GR	LE	Lecture
							Classical theoretical physics with			
			Intro to				emphasis on mechanics,			
			Theoretical				electromagnetic field theory, and			
Fall 2007	PHY681	681	Physics	PHY	Physics	3	mathematical techniques.	GR	LE	Lecture
							Classical theoretical physics with			
			Intro-				emphasis on mechanics,			
			Theoretical				electromagnetic field theory, and			
Fall 2007	PHY682	682	Physics	PHY	Physics	3	mathematical techniques.	GR	LE	Lecture
							Physical science topics for			Lecture/La
							teachers. Topics vary by year.			b
							Applicable to grades 3-12			Combinatio
Fall 2007	PHY699	699	Phy Sci Teach	PHY	Physics	1	teachers.	GR	LL	n
							Survey of available instructional			
							materials and discussion of			
							educational theory and			
							techniques leading to more			
			Principles of				effective instruction. For physics			
			Instruction-				majors only or departmental			
Fall 2007	PHY700	700	Phys	PHY	Physics	3	approval required.	GR	LE	Lecture
							The various areas of physics are			
							studied with regard to their			
							historical and philosophical basis			
							in modern physical theory.			
			Philosophy of				Consent of the department			
Fall 2007	PHY704	704	Physics	PHY	Physics	2	required.	GR	LE	Lecture
							The various areas of physics are			
							studied with regard to their			
							historical and philosophical basis			
							in modern physical theory.			
			Philosophy of				Consent of the department			
Fall 2007	PHY705	705	Physics	PHY	Physics	2	required.	GR	LE	Lecture

						The various areas of physics are			
						studied with regard to their			
						historical and philosophical basis			
						in modern physical theory.			
			Philosophy of			Consent of the department			
Fall 2007	PHY706	706	Physics	PHY	Physics	2 required.	GR	LE	Lecture
Fall 2001	FH1700	700	rilysics	FFII	rilysics	Introduction to nonrelativistic	GK	LE	Lecture
						quantum mechanics.			
						Schroedinger's equation. Matrix			
			Quantum			mechanics. Applications to			
Fall 2007	PHY710	710	Mechanics	PHY	Physics	3 simple atomic and nuclear	GR	LE	Lecture
raii 2007	FILLTIO	710	MEGNATICS	FILL	Filysics	Introduction to nonrelativistic	GIV	LL	Lecture
						quantum mechanics.			
						Schroedinger's equation. Matrix			
			Quantum			mechanics. Applications to			
Fall 2007	PHY711	711	Mechanics	PHY	Physics	3 simple atomic and nuclear	GR	LE	Lecture
1 411 2007	1111711	7	Wicorianios	1	11133103	Introduction to nonrelativistic	O.C		Locidio
						quantum mechanics.			
						Schroedinger's equation. Matrix			
			Quantum			mechanics. Applications to			
Fall 2007	PHY712	712	Mechanics	PHY	Physics	3 simple atomic and nuclear	GR	LE	Lecture
1 an 200.		7	1110011655		111,5.55	Laws of thermodynamics and the			200130
						development of statistical			
						mechanics. Macroscopic and			
						microscopic applications to			
						physical systems. Classical and			
			Statistical			quantum statistics. Fluctuation			
Fall 2007	PHY720	720	Physics	PHY	Physics	4 phenomena.	GR	LE	Lecture
			,		,	Principles of the general theory			
						of relativity with applications to			
						gravitation and cosmology.			
						Review of special relativity and			
						tensor analysis. The equivalence			
			General			principle, curvature, and Einstein			
Fall 2007	PHY728	728	Relativity	PHY	Physics	2 s field equations.	GR	LE	Lecture

						Continuation of PHY 728.			
			0			Applications of general relativity.			
F 11 0007	DI IV/700	700	General	DI IV	DI .	Gravitational radiation and	0.0		
Fall 2007	PHY729	729	Relativity	PHY	Physics	2 gravitational collapse.	GR	LE	Lecture
						Introduction to the physics of			
						solids. Lattice dynamics; thermal,			
1						electrical, and mechanical			
			Solid State			properties. Free electron and			
Fall 2007	PHY730	730	Physics	PHY	Physics	3 band theories of solids.	GR	LE	Lecture
						Introduction to the physics of			
l						solids. Lattice dynamics; thermal,			
						electrical, and mechanical			
			Solid State			properties. Free electron and			
Fall 2007	PHY731	731	Physics	PHY	Physics	3 band theories of solids.	GR	LE	Lecture
						Introduction to the physics of			
						solids. Lattice dynamics; thermal,			
						electrical, and mechanical			
			Solid State			properties. Free electron and			
Fall 2007	PHY732	732	Physics	PHY	Physics	band theories of solids.	GR	LE	Lecture
			-			Introductory methods in nuclear			
						physics. Elementary concepts			
						and simple considerations about			
						nuclear forces, alpha and beta			
						decay, nuclear structure.			
						Phenomenological treatment of			
ĺ			Nuclear			nuclear reactions and decay			
Fall 2007	PHY740	740	Physics	PHY	Physics	3 processes.	GR	LE	Lecture
			,		,	Introductory methods in nuclear			
						physics. Elementary concepts			
						and simple considerations about			
						nuclear forces, alpha and beta			
						decay, nuclear structure.			
						Phenomenological treatment of			
			Nuclear			nuclear reactions and decay			
Fall 2007	PHY741	741	Physics	PHY	Physics	3 processes.	GR	LE	Lecture

Fall 2007	PHY742	742	Nuclear Physics	PHY	Physics	Introductory methods in nuclear physics. Elementary concepts and simple considerations about nuclear forces, alpha and beta decay, nuclear structure. Phenomenological treatment of nuclear reactions and decay processes.	GR	LE	Lecture
Fall 2007	PHY751	751	Atomic Spectra & Structure	PHY	Physics	Modern theory of the atom and quantum mechanical treatment of the origin of atomic and X-ray 4 spectra.	GR	LE	Lecture
Fall 2007	PHY752	752	Molecular Spectra & Structure	PHY	Physics	Theory of molecular spectra and structure with examination of experimental data as related to molecular spectra.	GR	LE	Lecture
Fall 2007	PHY770	770	Selected Topics	PHY	Physics	3 Topics vary.	GR	IS	Independe nt Study
Fall 2007	DHV790	790	Plasma	DUV	Dhysics	Introduction to plasma physics. Motion of charged particles in electric and magnetic fields. Magneto-ionic theory, continuum equations, the Vlasov equation, the Boltzmann equation, and the		l E	Locturo
Fall 2007	PHY780	780	Physics Plasma	PHY	Physics	3 BBGKY equations. Introduction to plasma physics. Motion of charged particles in electric and magnetic fields. Magneto-ionic theory, continuum equations, the Vlasov equation, the Boltzmann equation, and the	GR	LE	Lecture
Fall 2007	PHY781	781	Physics	PHY	Physics	3 BBGKY equations.	GR	LE	Lecture

						Interded to the algebra			
						Introduction to plasma physics.			
						Motion of charged particles in			
						electric and magnetic fields.			
						Magneto-ionic theory, continuum			
						equations, the Vlasov equation,			
			Plasma			the Boltzmann equation, and the			
Fall 2007	PHY782	782	Physics	PHY	Physics	3 BBGKY equations.	GR	LE	Lecture
			Continuing						Independe
Fall 2007	PHY789	789	Registration	PHY	Physics	1	GR	IS	nt Study
						Students pursue topics on a			
			Minor			tutorial basis. Cannot be used for			Independe
Fall 2007	PHY799	799	problems	PHY	Physics	1 thesis credit.	GR	IS	nt Study
						Scheduled discussions of current			
						problems in physics. Centered			
Fall 2007	PHY800	800	Seminar	PHY	Physics	1 around student presentations.	GR	SE	Seminar
						This course will treat			
						fundamental programming			
						approaches, data structures and			
						mathematical/statistical			
						principles used in designing,			
						computational biology tools and			
			Fund of Bio			algorithms. Students will learn			
			Comp &			theoretical principles and gain			
Fall 2007	PHY825	825	Modeling	PHY	Physics	5 practical experience.	GR	LE	Lecture
						Gives students opportunities for			
						study or laboratory work in a			
						specialized field of interest. For			
						thesis preparation. May be			Independe
Fall 2007	PHY899	899	Research	PHY	Physics	1 repeated.	GR	IS	nt Study
						Examination of political power			
						relationships in contemporary			
						society. Emphasizes the origins			
						and forms of power and the key			
						social structures exercising			
						power with contemporary public			
						issues. Provides case studies of			
					Political	the consequences of political			
Fall 2007	PLS200	200	Political Life	PLS	Science	4 relationships.	UG	LE	Lecture

			Writing in PLS		Political					
Fall 2007	PLS200W	200W	200	PLS	Science	0		UG	LB	Lab
							Uses of quantitative political data			
							with emphasis on contemporary			
							research applications. Survey			
			Quantitative				design and questionnaire			
			Methods Pol		Political		construction. Analysis and			
Fall 2007	PLS210	210	Sci	PLS	Science	4	interpretation of data.	UG	LE	Lecture
							Scope and methods of empirical			
							political research; concepts and			
							hypotheses; explanation and			
			Empirical				prediction; and methodological			
			Political		Political		approaches to the study of			
Fall 2007	PLS211	211	Analysis	PLS	Science	4	politics and political behavior.	UG	LE	Lecture
							Introductory survey of American			
							national government including			
							study of political participation,			
							interest groups, political parties,			
							leadership, mass media,			
			American				elections and campaigns, the			
			National		Political		Constitution, presidency,			
Fall 2007	PLS212	212	Government	PLS	Science		Congress, bureaucracy, and the	UG	LE	Lecture
			Writing in PLS		Political		Required writing component for			
Fall 2007	PLS212W	212W	212	PLS	Science	0	PLS 212.	UG	LB	Lab
							Introductory survey of the			
							international political system			
							including study of state and			
							nonstate actors, major features			
							of the system, conflict roots and			
			International		Political		approaches to peace-keeping,			
Fall 2007	PLS222	222	Politics	PLS	Science	4	and current issues.	UG	LE	Lecture
							Systematic analysis of the major			
							political ideologies of the			
			Modern				twentieth century with particular			
			Political		Political		attention to democracy, fascism,			
Fall 2007	PLS301	301	Ideologies	PLS	Science	4	communism, and nationalism.	UG	LE	Lecture
			Writing in PLS		Political		Required writing component for			
Fall 2007	PLS301W	301W	301	PLS	Science	0	PLS 301.	UG	LB	Lab

							Critical examination of the chief			
							theories developed by Marx,			
							Engels, Lenin, Stalin, Mao Tse-			
							tung, Castro, and various			
			Comparative		Political		revisionists. Emphasis on Soviet			
Fall 2007	PLS305	305	Marxist Theory	PLS	Science		and Chinese ideologies.	UG	LE	Lecture
							(Also listed as REL 365) General			
							examination of both the			
							historical and the contemporary			
							relation between religion and			
			Religion &				politics in the United States, with			
			Politics in		Political		special reference to church/state			
Fall 2007	PLS315	315	America	PLS	Science	4	separation.	UG	LE	Lecture
							Also listed as URS 321.)			
							Governments and politics of			
							metropolitan regions;			
					Political		government structure and			
Fall 2007	PLS321	321	City Politics	PLS	Science	4	functions; and interest and	UG	LE	Lecture
							Survey and analysis of the			
							structures and functions of the			
							American states with special			
							attention to the problems of			
							federal-state and state-local			
			State		Political		relations, legislative			
Fall 2007	PLS322	322	Government	PLS	Science	4	apportionment, and urban	UG	LE	Lecture
							Organization and functions of the			
							government of Ohio with special			
							attention to development, social			
			Government		Political		structure, legal status, electoral			
Fall 2007	PLS323	323	of Ohio	PLS	Science	4	processes, and fiscal problems.	UG	LE	Lecture
							Institutional and political context			
			Political				of planning: laws, governmental			
			Aspects of		Political		structures and procedures, and			
Fall 2007	PLS324	324	Urban Dev	PLS	Science	4	urban politics.	UG	LE	Lecture

							Explores what makes African			
							American politics distinctive from			
							American politics and discusses			
							the prerequisites for effective			
							political and economic leadership			
			African				in the black community. A major			
			American		Political		theme of the course is the notion			
Fall 2007	PLS325	325	Politics	PLS	Science	4	of black power.	UG	LE	Lecture
			Writing in PLS		Political		Required writing component for			
Fall 2007	PLS325W	325W	325	PLS	Science	0	PLS 325.	UG	LB	Lab
							General functions, organization,			
							and operation of American			
							political parties. Emphasis on			
							role of parties in democratic			
							systems. Examines nominations,			
			Political		Political		elections, campaigns, and			
Fall 2007	PLS331	331	Parties	PLS	Science	4	presidential politics.	UG	LE	Lecture
							General political functions, roles,			
							and structure of the presidential			
							office; limits and opportunities of			
							presidential power; relations with			
							Congress, courts, bureaucracy,			
			The American		Political		the public, and the political			
Fall 2007	PLS335	335	Presidency	PLS	Science	4	party; and presidential	UG	LE	Lecture
			Writing in PLS		Political		Required writing component for			
Fall 2007	PLS335W	335W	335	PLS	Science	0	PLS 335.	UG	LB	Lab
							Policy role, political functions,			
							internal structure, and operation			
			The				of Congress. Secondary concern			
			Legislative		Political		for state legislatures and non-			
Fall 2007	PLS337	337	Process	PLS	Science		American legislative bodies.	UG	LE	Lecture
F 11 6555	DI 06.5=:::	0071::	Writing in PLS	D1 0	Political		Required writing component for			
Fall 2007	PLS337W	337W	337	PLS	Science	0	PLS 337.	UG	LB	Lab
							Theories of law; in addition to			
E !! 000=	DI 00 10	0.40	Law and	D1 0	Political		the nature and functions of the			
Fall 2007	PLS340	340	Society	PLS	Science	4	judicial process.	UG	LE	Lecture

							Survey of investigative			
							techniques focusing on specific			
			Fund of				problems and crimes to illustrate			
			Criminal		Political		proper methods and procedures			
Fall 2007	PLS341	341	Investigation	PLS	Science		of criminal investigations.	UG	LE	Lecture
			Writing in PLS		Political		Required writing component for			
Fall 2007	PLS341W	341W	341	PLS	Science	0	PLS 341.	UG	LB	Lab
							Cases and related materials on			
							the Bill of Rights and the 14th			
							Amendment with emphasis on			
			Civil Liberties				the First Amendment freedoms:			
			I: 1st		Political		freedom of speech, of the press,			
Fall 2007	PLS342	342	Amndmnt	PLS	Science	4	and of religion.	UG	LE	Lecture
			Writing in PLS		Political					
Fall 2007	PLS342W	342W	342	PLS	Science	0		UG	LB	Lab
							Cases and related materials on			
							the enforcement of civil rights			
							and liberties through the due			
			Civil Liberties		Political		process and equal protection			
Fall 2007	PLS343	343	II:Due Process	PLS	Science	4	claims of the 14th Amendment.	UG	LE	Lecture
			Writing in PLS		Political					
Fall 2007	PLS343W	343W	343	PLS	Science	0		UG	LB	Lab
							Procedures and operations of			
							law enforcement at various			
							levels from patrol to senior			
			Police				administration, emphasizing			
			Procedures &		Political		duties, responsibilities, and			
Fall 2007	PLS344	344	Operations	PLS	Science		leadership.	UG	LE	Lecture
			Writing in PLS		Political		Required writing component for			
Fall 2007	PLS344W	344W	344	PLS	Science		PLS 344.	UG	LB	Lab
							Also listed as URS 345.) Nature			
							and scope of public			
							administration, administrative			
			Public		Political		law, and public interest in the			
Fall 2007	PLS345	345	Administration	PLS	Science	4	administrative process.	UG	LE	Lecture

Fall 2007	DI \$244	244	Public Personnel	DI C	Political	Methods of employment, training, compensation, and employee relations in various levels of civil service. Examines	ПС	I.E.	Lecture
Fall 2007	PLS346	346	Admin	PLS	Science	4 organizations of public The nature and classification of	UG	LE	Lecture
						public policy. Emphasis on			
						fragmentation, incrementalism,			
						and bargaining as a means of			
						policy development. Impact of			
						citizens on public policy. Survey			
			Amer Public		Political	of public policy goals and			
Fall 2007	PLS347	347	Policy Analysis	PLS	Science	4 problems of public policy	UG	LE	Lecture
						Comparative study of the			
			Political Sys of		Political	political systems of Great Britain,			
Fall 2007	PLS351	351	West Europe	PLS	Science	4 France, and West Germany.	UG	LE	Lecture
						Comparison of ethnic identity			
						and politics in Western societies			
						including the United States,			
						Canada, Great Britain, and			
						France. Topics include minorities			
						and the welfare state, affirmative			
						discrimination, and African			
			Politics of		Political	American politics in the United			
Fall 2007	PLS352	352	Nationalism	PLS	Science	4 States.	UG	LE	Lecture
F-II 2007	DI COLOM	252)4/	Writing in PLS	DI C	Political			l D	l ala
Fall 2007	PLS352W	35200	352	PLS	Science	0	UG	LB	Lab
						Introduction to the governments			
						and politics of Eastern Europe, particularly since World War II.			
						Includes current developments in			
						Poland, Czechoslovakia, East			
			Governments		Political	Germany, Hungary, Rumania,			
Fall 2007	PLS354	354	of East Europe	PLS	Science	4 Bulgaria, and Yugoslavia.	UG	LE	Lecture

							Examines the historic interaction			
							of French culture and politics.			
							Topics include the growth of the			
							French nation and state, French			
			Politics &				society, the nature of modern			
			Society in		Political		politics and institutions, and			
Fall 2007	PLS356	356	France	PLS	Science		France's role in world affairs.	UG	LE	Lecture
							Selected issues in the study of			
							Latin American politics with an			
							emphasis on the nature of the			
							state and the role of institutions			
							such as the military and unions			
							in politics. Examples from major			
			Latin American		Political		South American states and			
Fall 2007	PLS358	358	Politics	PLS	Science		Mexico where appropriate.	UG	LE	Lecture
					Political		11 1			
Fall 2007	PLS358W	358W	Writing in PLS	PLS	Science	0		UG	LB	Lab
							Comparative analysis of various			
			Politics of				problems, particularly political,			
			Developing		Political		confronting developing nations in			
Fall 2007	PLS360	360	Nations	PLS	Science	4	nation building and	UG	LE	Lecture
			Writing in PLS		Political		Required writing component for			
Fall 2007	PLS360W	360W	360	PLS	Science	0	PLS 360.	UG	LB	Lab
							An examination of the history,			
			Politics of		Political		demography, politics, culture,			
Fall 2007	PLS368	368	Vietnam	PLS	Science	4	and economy of Vietnam.	UG	LE	Lecture
			Writing in PLS		Political					
Fall 2007	PLS368W	368W	368	PLS	Science	0		UG	LB	Lab
							Study of recent findings in			
							international politics.			
							Explanations of world political			
			International		Political		developments such as war,			
Fall 2007	PLS370	370	Theory	PLS	Science	4	alliance formation, and arms	UG	LE	Lecture
			Writing in PLS		Political		Required writing component for			
Fall 2007	PLS370W	370W	370	PLS	Science	0	PLS 370.	UG	LB	Lab

							Various views and perspectives			
			Current World		Political		on selected contemporary problems and trends in inter-			
Fall 2007	PLS371	371	Problems	PLS	Science		•	UG	LE	Looturo
Fall 2007	PL53/1	3/1	Problems	PLS	Science	4	national politics. Analysis of developing structures	UG	LE	Lecture
							and functions of the United			
			International		Political		Nations and other international			
Fall 2007	DI COZO	272		DI C			organizations, and concepts	LIC		Lastura
Fall 2007	PLS372	372	Organization	PLS	Science	4	relating to world government.	UG	LE	Lecture
F 11 0007	DI 007014	07014	Writing in PLS	DI C	Political	•	Required writing component for			
Fall 2007	PLS372W	3/2W	372	PLS	Science		PLS 372.	UG	LB	Lab
							Examines controversies over			
							human rights in the United			
							States and considers contending			
							definitions of human rights and			
							debates over policy by focusing			
							on a range of issues including			
							immigration, pornography, gay			
			Human Rights		Political		rights, race relations, and			
Fall 2007	PLS375	375	in USA	PLS	Science		poverty.	UG	LE	Lecture
							Study of war, peace, and current			
							efforts in dealing with			
							international conflict. Examines			
							the roots of war in American			
							society and alternative strategies			
					Political		for elimination of war as an			
Fall 2007	PLS376	376	Peace Studies	PLS	Science	4	instrument of policy.	UG	LE	Lecture
							Study of U.S. national defense			
			National				and security policy process and			
			Security		Political		the major strategic issues facing			
Fall 2007	PLS381	381	Politics	PLS	Science	4	the U.S. government.	UG	LE	Lecture
			Writing in PLS		Political					
Fall 2007	PLS381W	381W	381	PLS	Science	0		UG	LB	Lab
							Examines the course of the			
							relationship between the United			
			US-Japan				States and Japan. Includes			
			Foreign		Political		political, security, and economic			
Fall 2007	PLS382	382	Relations	PLS	Science	4	issues.	UG	LE	Lecture

			Studies in				Problems, approaches, and			
			Selected		Political		topics in the field of political			
Fall 2007	PLS399	399	Topics	PLS	Science	1	science. Topics vary.	UG	LE	Lecture
			Writing in PLS		Political		Required writing component for			
Fall 2007	PLS399W	399W	399	PLS	Science	0	PLS 399.	UG	LB	Lab
							(Also listed as PHL 431.) Critical			
							examination of political ideas			
							from 500 B.C. to A.D. 1500 with			
							special attention to Plato,			
			Classic &				Aristotle, Cicero, St. Augustine,			
			Medieval Pol		Political		St. Thomas Aquinas, Luther,			
Fall 2007	PLS402	402	Thought	PLS	Science	4	Calvin, and Machiavelli.	UG	SE	Seminar
							(Also listed as PHL 432.) Critical			
							examination of political ideas			
							from 1600 to 1900 with special			
							attention to Hobbes, Locke,			
			Political				Rousseau, Montesquieu, Hume,			
			Thought:		Political		Burke, Hegel, Bentham, Marx,			
Fall 2007	PLS403	403	Hobbes-Mill	PLS	Science	4	and Mill.	UG	LE	Lecture
							Critical examination of 20th-			
							century political theory.			
			20th Century				Emphasis on nature,			
			Political		Political		methodology, evaluation,			
Fall 2007	PLS404	404	Thought	PLS	Science	4	existing condition, and future of	UG	LE	Lecture
İ			Global				An examination of globalization			
			Theories &		Political		theories and the gender politics			
Fall 2007	PLS406	406	Gender Pol	PLS	Science	4	of global restructuring.	UG	LE	Lecture
			Seminar in				Readings, research, reports, and			
			Political		Political		discussion on selected theorists,			
Fall 2007	PLS407	407	Theory	PLS	Science	4	topics, and problems. Topics	UG	SE	Seminar
							Examines radical black thought			
							and philosophy from a Pan-			
			Radical Black		Political		Africanist perspective, focusing			
Fall 2007	PLS408	408	Thought	PLS	Science	4	primarily on the 20th century.	UG	LE	Lecture
			Writing in PLS		Political					
Fall 2007	PLS408W	408W	408	PLS	Science	0		UG	LB	Lab

			Topics-				Selected topics of methodological			
			Empirical Pol		Political		or analytical concern in			
Fall 2007	PLS412	412	Analysis	PLS	Science	4	contemporary political research.	UG	LE	Lecture
							(Also listed as ENG 460) Study			
							and critiques of political themes			
							in works of selected 20th century			
							authors, including social roles,			
							activism, political awareness,			
							power, government and conflict			
			Politics and		Political		at the individual, institutional and			
Fall 2007	PLS420	420	the Novel	PLS	Science	4	international level.	UG	LE	Lecture
							(Also listed as URS 427.) Study			
							of selected urban problems and			
							their relationship to the political			
							environment. Use of simulation			
			Urban Policy		Political		gaming to understand			
Fall 2007	PLS427	427	Analysis	PLS	Science	4	community development	UG	LE	Lecture
			,				The critical pedagogy of this			
							course allows for an in-depth			
							exploration of many problematic			
							issues that assail African			
							Americans from outside and			
			Contemp Afr-				within the black community			
			Amer		Political		itself. Several possible			
Fall 2007	PLS428	428	Problems	PLS	Science	4	explanations and solutions will	UG	LE	Lecture
			Writing in PLS		Political		,			
Fall 2007	PLS428W	428W	428	PLS	Science	0		UG	LB	Lab
							Selected topics related to			
							American political institutions			
			American				and processes. Emphasis on			
			Government		Political		readings, discussion, and			
Fall 2007	PLS430	430	Seminar	PLS	Science	4	research. Topics vary.	UG	SE	Seminar
			Writing in PLS		Political					
Fall 2007	PLS430W	430W	430	PLS	Science	0		UG	LB	Lab

							Investigation of political and			<u> </u>
							legal issues in computer and			
							Internet based crime, including			
							9			
							child pornography, computer			
							fraud, and identity theft,			
					D 1111 1		prevention of cyber crime and			
F 11 0007	DI 0 404	404		DI C	Political		responsibilities of computer		. –	
Fall 2007	PLS431	431	Cyber Crime	PLS	Science	4	owners and Internet servers.	UG	LE	Lecture
			Writing in PLS		Political		Required writing component for			
Fall 2007	PLS431W	431W	431	PLS	Science	0	PLS 431.	UG	LB	Lab
							Opinion formation in American			
							politics; relationship of opinion to			
							public policy; voting behavior in			
							American elections; role of mass			
							media and political interest			
							groups in policy process; and			
					Political		development of political attitudes			
Fall 2007	PLS433	433	Public Opinion	PLS	Science	4	and values.	UG	LE	Lecture
							Development of political			
							attitudes and values among			
							leaders, activists, and the public.			
							Relationship between			
			Political		Political		personality, political leadership,			
Fall 2007	PLS434	434	Leadership	PLS	Science	4	behavior, and policy.	UG	LE	Lecture
			Writing in PLS		Political					
Fall 2007	PLS434W	434W	434	PLS	Science	0		UG	LB	Lab
							Analysis of political corruption			
							including campaign and			
							elections, graft, the executive			
			Seminar -				branch, congressional ethics,			
			Political		Political		corruption in law enforcement,			
Fall 2007	PLS435	435	Corruption	PLS	Science	4	organized crime and abuse of	UG	SE	Seminar
			Writing in PLS		Political					
Fall 2007	PLS435W	435W	435	PLS	Science	0		UG	LB	Lab

						Evaminas the nature of the			
						Examines the nature of the			
						criminal law and reviews the law			
						pertaining to criminal liability;			
						inchoate crimes; the elements of			
						crimes against persons, property,			
					Political	and habitation; and the defenses			
Fall 2007	PLS436	436	Criminal Law	PLS	Science	4 to criminal actions.	UG	LE	Lecture
						Examines the constitutional			
						protections that the individual			
						has when confronting the			
						criminal justice system.			
						Examines case law pertaining to			
						the surrounding the Fourth			
						Amendment (search and			
			Criminal		Political	seizure), Fifth Amendment (self-			
Fall 2007	PLS437	437	Procedure	PLS	Science	4 incrimination), and Sixth	UG	LE	Lecture
			Writing in PLS		Political	Required writing component for			
Fall 2007	PLS437W	437W	437	PLS	Science	0 PLS 437.	UG	LB	Lab
						Examines environmental law and			
						policy and reviews the statutory			
						framework pertaining to			
						environmental impact			
						statements, the regulation of air			
						and water pollution, the disposal			
			Environmental		Political	and cleanup of toxic wastes, and			
Fall 2007	PLS438	438	Law & Policy	PLS	Science	4 workplace safety.	UG	LE	Lecture
						New biological technologies are			
						emerging that increase our			
						control over human behavior.			
						Course examines legal			
						implications of new biological			
						technologies, particularly mind			
						and behavior control, genetic			
						engineering, birth and death			
			Bioethics and		Political	control, and organ			
Fall 2007	PLS439	439	Law	PLS	Science	4 transplantation.	UG	LE	Lecture

							Cases in which provisions of the constitution have been judicially interpreted. Also examines federal systems, separation of			
			Constitutional		Political		powers, and limits on			
Fall 2007	PLS440	440	Law	PLS	Science		government.	UG	LE	Lecture
1 411 2007	1 23440	110	Writing in PLS	1 23	Political		Required writing component for	00		Lecture
Fall 2007	PLS440W	440W	440	PLS	Science		PLS 440.	UG	LB	Lab
				1			This course examines federal			
							management of natural			
							resources on public lands,			
							specifically, water, minerals,			
							timber, grazing, and wildlife.			
							Constitutional authority, statutes,			
			Natural				regulations, federalism, and			
			Resources		Political		judicial review of administrative			
Fall 2007	PLS441	441	Law	PLS	Science	-	decisions are analyzed.	UG	LE	Lecture
							Survey of the American criminal			
							justice system concentrating on			
							political aspects. Topics include			
							police, judges, attorneys,			
			Criminal		Political		supreme court decisions, crime,			
Fall 2007	PLS442	442	Justice System	PLS	Science	4	and public opinion.	UG	LE	Lecture
			Writing in PLS		Political		Required writing component for			
Fall 2007	PLS442W	442W	442	PLS	Science	0	PLS 442.	UG	LB	Lab
							Study of the law controlling the			
							process by which public agencies			
							make and administer policy.			
							Topics include policy formulation			
						i	and budgeting, legislative			
			Administrative				delegation, administrative			
			Law		Political		agencies, rule making, and			
Fall 2007	PLS443	443	Procedures	PLS	Science	4	adjudication.	UG	LE	Lecture
			Writing in PLS		Political					
Fall 2007	PLS443W	443W	443	PLS	Science	0		UG	LB	Lab
			Topics in				Problems, approaches, and			
			Criminal		Political		topics in the field of criminal			
Fall 2007	PLS444	444	Justice	PLS	Science	4	justice. Topics vary.	UG	LE	Lecture

			Writing in PLS		Political	Required writing component for			
Fall 2007	PLS444W	444W	444	PLS	Science	0 PLS 444.	UG	LB	Lab
						Criminal investigative techniques including forensics, evidence, interviews, and interrogation as			
			Adv Criminal		Political	applied to specific types of			
Fall 2007	PLS445	445	Investigation	PLS	Science	4 crimes.	UG	LE	Lecture
			Writing in PLS		Political				
Fall 2007	PLS445W	445W	445	PLS	Science	0	UG	LB	Lab
			Public		Political	(Also listed as URS 446.) Exanmination of the major phases of the governmental budget cycle; types of budget; budgetary reform; economic and public policy impact of government budgeting; decision-making process; and legislative/executive relations in			
Fall 2007	PLS446	446	Budgeting	PLS	Science	4 budget formation and	UG	LE	Lecture
Fall 2007	PLS447	447	Sem Public Admin	PLS	Political Science	Selected national, state, and local problems with emphasis on legal scope of administrative power and on research methods 4 used by staff agencies. Topics	UG	SE	Seminar
1 all 2007	I LJ+47	777	Gender Violence &	I LJ	Political	Examines gender violence in the United States. Considers the range of violence, its sources, and solutions. Topics include domestic violence, rape, eating disorders, reproductive rights,		JL	Seminal
Fall 2007	PLS448	448	Amr Politics	PLS	Science	4 and pornography.	UG	LE	Lecture
					Political				
Fall 2007	PLS448W	448W	Writing in PLS	PLS	Science	0	UG	LB	Lab

							Cross-cultural examination of			
							gender violence. Considers the			
							range of violence, its sources,			
							and solutions. Topics include			
			Intl Pol of				domestic abuse, rape, female			
			Gender		Political		genital surgeries, prostitution,			
Fall 2007	PLS449	449	Violence	PLS	Science		and reproductive rights.	UG	LE	Lecture
Fall 2007	FL3449	447	Writing in PLS	FLS	Political	4	and reproductive rights.	UG	LC	Lecture
Fall 2007	PLS449W	449W	449	PLS	Science	0		UG	LB	Lab
Fall 2007	PL3449VV	44900	449	PL3	Science		Dolitical processes and	UG	LD	Lab
							Political processes and			
							governmental institutions of sub-			
							Saharan Africa; special attention			
							to dynamics of political			
							development and social and			
							economic change. Comparative			
			Contemp		Political		analysis of selected African			
Fall 2007	PLS451	451	African Politics	PLS	Science		political systems.	UG	LE	Lecture
			Writing in PLS		Political		Required writing component for			
Fall 2007	PLS451W	451W	451	PLS	Science		PLS 451.	UG	LB	Lab
							Examines the role of human			
							rights in international relations			
							and considers contending			
							definitions of human rights and			
							debates over policy by focusing			
			Intl Human		Political		on case studies including South			
Fall 2007	PLS452	452	Rights	PLS	Science		Africa, China, Guatemala and	UG	LE	Lecture
			Writing in PLS		Political		Required writing component for			
Fall 2007	PLS452W	452W	452	PLS	Science	0	PLS 452.	UG	LB	Lab
							Examines the political life in the			
							former Soviet Union, with			
							emphasis on the legacy of			
			Soviet				communism and the role of			
			Successor		Political		economics and politics in the			
Fall 2007	PLS453	453	States	PLS	Science	4	transition to democracy.	UG	LE	Lecture
			Writing in PLS		Political		Required writing component for			
Fall 2007	PLS453W	453W	453	PLS	Science	0	PLS 453.	UG	LB	Lab

							Introduction to governments and			
							politics of the Middle East with			
							special attention to cultural and			
			Politics of the		Political		historical background and the			
Fall 2007	PLS454	454	Middle East	PLS	Science	4	Arab-Israeli conflict.	UG	LE	Lecture
1 411 2007	1 23 10 1	101	Writing in PLS	1 20	Political		Required writing component for			Ecotoric
Fall 2007	PLS454W	454W	454	PLS	Science	0	PLS 454.	UG	LB	Lab
	. 20 10 111				00.000		A seminar covering the			
							development and current status			
							of Israeli and Palestinian politics,			
							with emphasis on the Palestinian-			
			Israeli &				Israeli conflict, and the			
			Palestinian		Political		government and politics of Israel			
Fall 2007	PLS455	455	Politics	PLS	Science	4	and the Palestinian authority.	UG	LE	Lecture
			Writing in PLS		Political		,			
Fall 2007	PLS455W	455W	455	PLS	Science	0		UG	LB	Lab
							This course examines Canadian			
							government and politics,			
							including political values and			
							culture, as well as institutions			
							and processes. The Canada-US			
			Canadian				relationship, and similarities and			
			Government &		Political		differences between the two			
Fall 2007	PLS456	456	Politics	PLS	Science	4	systems will be examined.	UG	LE	Lecture
			Writing in PLS		Political		Required writing component for			
Fall 2007	PLS456W	456W	456	PLS	Science	0	PLS 456.	UG	LB	Lab
							An examination of the theory			
							and practice of Scandinavian			
							government and politics.			
							Consideration of both the			
							political values and culture of the			
			Scandinavian		Political		region as well as its prime			
Fall 2007	PLS457	457	Govt & Politics	PLS	Science	4	political institutions and	UG	SE	Seminar
			Writing in PLS		Political					
Fall 2007	PLS457W	457W	457	PLS	Science	0		UG	LB	Lab

							Introduction to Brazilian politics,			
							society and economy. Topics			
							include Brazil's political and			
							economic liberalization, its			
							international relations, gender			
			Contemporary		Political		and race relations, and the			
Fall 2007	PLS459	459	Brazil	PLS	Science	4	environment.	UG	LE	Lecture
	. 20 .07	107			0.0.00		Readings, research, reports, and			200100
			Sem Comp Pol		Political		discussion of selected topics and			
Fall 2007	PLS460	460	Systems	PLS	Science	4	problems. Topics vary.	UG	SE	Seminar
			Writing in PLS		Political		Required writing component for			
Fall 2007	PLS460W	460W	460	PLS	Science	0	PLS 460.	UG	LB	Lab
							Examines group behavior			
							motivated by the desire to			
							change political, economic, and			
							social systems. Special attention			
			Social				will be given to movements			
			Movements &		Political		outside of the United States,			
Fall 2007	PLS461	461	Protests	PLS	Science	4	including cross-national and	UG	LE	Lecture
							Surveys theoretical literature on			
							revolutions: what they are, how			
							and why they occur. Explores			
							different approaches to the topic			
							and some of the current debates			
			Comparative		Political		in the literature. Applies theory			
Fall 2007	PLS462	462	Revolutions	PLS	Science	4	to actual historical cases.	UG	LE	Lecture
							Analysis of political structures			
							and processes of Communist			
			Political				China; focus on dynamic factors			
			Systems of		Political		of socioeconomic and political			
Fall 2007	PLS467	467	China	PLS	Science	4	development.	UG	LE	Lecture
			Writing in PLS		Political					
Fall 2007	PLS467W	467W	467	PLS	Science	0		UG	LB	Lab
			Seminar in				Readings, research, reports, and			
			Intrntnl		Political		discussion of selected topics and			
Fall 2007	PLS470	470	Relations	PLS	Science	4	problems.	UG	SE	Seminar
			Writing in PLS		Political		Required writing component for			
Fall 2007	PLS470W	470W	470	PLS	Science	0	PLS 470.	UG	LB	Lab

							Study of rules governing the conduct of international politics			
			International		Political		with emphasis on their relevance			
Fall 2007	PLS471	471	Law	PLS	Science		to current world problems.	UG	LE	Lecture
							Surveys the phenomenon of			
							terrorism: who employs it, how			
							and why it occurs in international			
							politics, and how targets respond			
							to terrorism. The special			
							problems terrorism creates for			
							democracies and the politics of			
			International		Political		hostage-taking are examined.			
Fall 2007	PLS472	472	Terrorism	PLS	Science	4	Prerequisite: PLS 222.	UG	SE	Seminar
			Writing in PLS		Political					
Fall 2007	PLS472W	472W	472	PLS	Science	0		UG	LB	Lab
							Role of the United States in			
							contemporary international			
							politics and the relationship of			
							the domestic political system to			
			American		Political		that role. Discussion of current			
Fall 2007	PLS473	473	Foreign Policy	PLS	Science	4	problems.	UG	LE	Lecture
			Writing in PLS		Political					
Fall 2007	PLS473W	473W	473	PLS	Science	0		UG	LB	Lab
							Examines the political behavior			
							of women in crime and			
							terrorism, including the roles			
			Politics of				played by women in criminal			
			Women		Political		activities and terrorist groups.			
Fall 2007	PLS474	474	Terrorists	PLS	Science	4	Prerequisite: PLS 222.	UG	SE	Seminar
			Writing in PLS		Political					
Fall 2007	PLS474W	474W	474	PLS	Science	0		UG	LB	Lab
							An examination of the position of			
							women and the power of gender			
							in world politics through feminist			
			Women,				international relations theory and			
			Gender &		Political		case studies of women in			
Fall 2007	PLS475	475	World Politics	PLS	Science	4	international politics.	UG	LE	Lecture

			Writing in PLS		Political	Required writing component for			
Fall 2007	PLS475W	475W	475	PLS	Science	0 PLS 475.	UG	LB	Lab
						Experiential internship in the			
						office of a state legislator,			
						including office work, constituent			
						assistance, and research.			
			Legislative		Political	Sophomore standing and			
Fall 2007	PLS482	482	Internship	PLS	Science	4 permission of instructor required.	UG	IN	Internship
			Writing in PLS		Political	Required writing component for			
Fall 2007	PLS482W	482W	482	PLS	Science	0 PLS 482.	UG	LB	Lab
						Students volunteer 15 hours per			
						week in Greene County			
						Prosecutor s office. Duties			
						include preparing trial			
						notebooks, legal research,			
			Pre-Law		Political	courtroom observation,			
Fall 2007	PLS484	484	Internship	PLS	Science	4 outreach, and other assistance	UG	IN	Internship
			Writing in PLS		Political	Required writing component for			
Fall 2007	PLS484W	484W	484	PLS	Science	0 PLS 484.	UG	LB	Lab
						Examines foreign policy			
						perspectives of modern Chinese			
						leaders, including historical,			
						political, economical and			
						ideological priorities. Special			
						attention will be given to China-			
						U.S. relations, as well as China's			
			Chinese		Political	role in international and regional			
Fall 2007	PLS485	485	Foreign Policy	PLS	Science	4 organizations.	UG	LE	Lecture
						Model U.N. is an experiential			
						learning opportunity built around			
						this seminar, with intensive			
						training in research, public			
						speaking, bargaining, and			
						conflict resolution. Culminates at			
						the national collegiate			
			Model UN		Political	conference in New York,			
Fall 2007	PLS486	486	Seminar	PLS	Science	4 simulating the United Nations.	UG	SE	Seminar

			Writing in PLS		Political					
Fall 2007	PLS486W	486W	486	PLS	Science	0		UG	LB	Lab
							This course examines the history			
							of intelligence gathering, analysis			
							and application in policy-making			
							in the United States. The			
							tension inherent in a secret			
			Hst & Pol of				agency operating within a			
			Intel		Political		democratic state and the role of			
Fall 2007	PLS487	487	Gathering	PLS	Science	4	technology are addressed.	UG	LE	Lecture
			Writing in PLS		Political		Required writing component for			
Fall 2007	PLS487W	487W	487	PLS	Science	0	PLS 487.	UG	LB	Lab
							Supervised individual readings on			
							selected topics. Arranged			
			Independent		Political		between students and faculty			Independe
Fall 2007	PLS490	490	Reading	PLS	Science	1	member directing the study.	UG	IS	nt Study
			Writing in PLS		Political		Required writing component for			
Fall 2007	PLS490W	490W	490	PLS	Science	0	PLS 490.	UG	LB	Lab
							Supervised individual research			
							on selected topics. Arranged			
			Independent		Political		between students and faculty			Independe
Fall 2007	PLS491	491	Research	PLS	Science	1	member directing the study.	UG	IS	nt Study
			Writing in PLS		Political		Required writing component for			
Fall 2007	PLS491W	491W	491	PLS	Science	0	PLS 491.	UG	LB	Lab
							Supervised individual projects.			
							May involve intern programs in			
			Independent		Political		local government or other special			Independe
Fall 2007	PLS492	492	Field Research	PLS	Science	1	programs.	UG	IS	nt Study
			Writing in PLS		Political		Required writing component for			
Fall 2007	PLS492W	492W	492	PLS	Science	0	PLS 492.	UG	LB	Lab
							Advanced study in selected			
							topics that frequently include			
							new developments in the			
			Contemporary		Political		methodology or subject matter			
Fall 2007	PLS493	493	Problems	PLS	Science	1	of the various sub fields of the	UG	SE	Seminar
			Writing in PLS		Political					
Fall 2007	PLS493W	493W	493	PLS	Science	0		UG	LB	Lab

					5		Study of particular political			
					Political	_	problems of contemporary			
Fall 2007	PLS494	494	Special Topics	PLS	Science	1	significance.	UG	SE	Seminar
							Critical examination of the chief			
							theories developed by Marx,			
							Engels, Lenin, Stalin, Mao Tse-			
							tung, Castro, and various			
			Comparative		Political		revisionists. Emphasis on Soviet			
Fall 2007	PLS505	505	Marxist Theory	PLS	Science	4	and Chinese ideologies.	GR	SE	Seminar
			Government		Political					
Fall 2007	PLS523	523	of Ohio	PLS	Science	4		GR	LE	Lecture
							Institutional and political context			
			Political				of planning: laws, governmental			
			Aspects-Urban		Political		structures and procedures, and			
Fall 2007	PLS524	524	Dvlmt	PLS	Science	4	urban politics.	GR	LE	Lecture
							Explores what makes African			
							American politics distinctive from			
							American politics and the			
							prerequisites for effective			
							political and economic leadership			
			African				in the black community. The			
			American		Political		notion of black power is a major			
Fall 2007	PLS525	525	Politics	PLS	Science	4	course theme.	GR	LE	Lecture
							Critical review of important			
							political, social, and economic			
							causes and consequences of			
			United States		Political		health policies in the United			
Fall 2007	PLS539	539	Health Policy	PLS	Science	4	States.	GR	LE	Lecture
							Theories of law and the nature			
			Law and		Political		and functions of the judicial			
Fall 2007	PLS540	540	Society	PLS	Science	4	process.	GR	LE	Lecture
							Survey of investigative			
							techniques focusing on specific			
			Fndmtls of				problems and crimes to illustrate			
			Crime		Political		proper methods and procedures			
Fall 2007	PLS541	541	Investigation	PLS	Science	4	of criminal investigations.	GR	LE	Lecture

						Cases and related materials on	
						the Bill of Rights and the 14th	
						Amendment with emphasis on	
						the First Amendment freedoms,	
			Civil Liberties			concentrating on Supreme Court	
			I:1st		Political	behavior and First Amendment	
Fall 2007	PLS542	542	Ammndmnt	PLS	Science		oturo
Fall 2007	PL3542	342	Ammumm	PLS	Science	Covers cases and related	ecture
1							
						materials on the Bill of Rights	
1						and the Fourteenth Amendment.	
1						Emphasis on the First	
						Amendment freedoms	
						concentrating on enforcement of	
			0		5 1111	civil rights and liberties under the	
E 11 0007	DI 05 40	E 40	Civil Liberties	DI C	Political	Bill of Rights and the Fourteenth	
Fall 2007	PLS543	543	II	PLS	Science		ecture
						Procedures and operations of	
						law enforcement at various	
						levels from patrol to senior	
			Police			administration, emphasizing	
			Procedures &		Political	duties, responsibilities and	
Fall 2007	PLS544	544	Operations	PLS	Science	•	ecture
						Examination of the major phases	
						of the governmental budget	
						cycle; types of budget;	
						budgetary reform; economic and	
						public policy impact of	
						government budgeting; decision-	
			Public			making; and legislative-executive	
			Personnel		Political	relations in budget formation and	
Fall 2007	PLS546	546	Admnstrtn	PLS	Science	4 implementation. GR LE Lea	ecture

Fall 2007	PLS547	547	Amer Public Policy Analysis	PI S	Political Science	The nature and classification of public policy. Emphasis on fragmentation, incrementalism, and bargaining as a means of policy development. Impact of citizens on public policy. Survey of public policy goals and problems of public policy 4 evaluation.	GR	LE	Lecture
Tall 2007	I LJJT1	347	Western	FLJ	JUICHUC	Comparative study of the	GIX	LL	Lecture
			European		Political	political systems of Great Britain,			
Fall 2007	PLS551	551	Politics	PLS	Science	4 France, and West Germany.	GR	LE	Lecture
Fall 2007	PLS552	552	Politics of Nationalism	PLS	Political Science	Compares ethnic identity and politics in western societies, including the United States, Canada, Great Britain, and France. Topics include minorities and the welfare state, affirmative discrimination, and Black Politics in the United States.	GR	LE	Lecture
Fall 2007	PLS554	554	Governments of Eastern Europe	PLS	Political Science	Introduction to the governments and politics of Eastern Europe, particularly since World War II. Includes current developments in Poland, Czechoslovakia, East Germany, Hungary, Rumania, 4 Bulgaria, and Yugoslavia.	GR	LE	Lecture
			Politics & Society in		Political	Examines the historic interaction of French culture and politics. Topics include the growth of the French nation and state, French society, the nature of modern politics and institutions, and			
Fall 2007	PLS556	556	France	PLS	Science	4 France's role in world affairs.	GR	LE	Lecture

							Selected issues in the study of			
							Latin American politics with an			
							emphasis on the nature of the			
							state and the role of institutions			
							such as the military and unions			
							in politics. Examples from major			
			Latin American		Political		South American states and			
Fall 2007	PLS558	558	Politics	PLS	Science	4	Mexico where appropriate.	GR	LE	Lecture
1 dii 2007	1 23330	330	Tonties	1 23	Science		Comparative analysis of various	OIX		Lociuic
			Politics of				problems, particularly political,			
			Developing		Political		confronting developing nations in			
Fall 2007	PLS560	560	Nations	PLS	Science	4	nation building and	GR	LE	Lecture
1 411 2007	1 23300	300	IVALIONS	1 23	Science		This course surveys Japanese	OIX		Lociuic
							government and politics, with			
							emphasis on post-World War II			
							and the American occupation.			
							The government-guided			
			Political				economic recovery, Japanese			
			System of		Political		political parties, and relations			
Fall 2007	PLS562	562	Japan	PLS	Science	4	with Russia and China are also	GR	LE	Lecture
	. 20002	002	oapan.		00.000	•	Examines the history,	0.1		20010.10
			Politics of		Political		demography, politics, culture,			
Fall 2007	PLS568	568	Vietnam	PLS	Science	4	and economy of Vietnam.	GR	LE	Lecture
			Writing in PLS		Political		,			
Fall 2007	PLS568W	568W	568	PLS	Science	0		GR	LB	Lab
							Various views and perspectives			
							on selected contemporary			
			Current World		Political		problems and trends in			
Fall 2007	PLS571	571	Problems	PLS	Science	4	international politics.	GR	LE	Lecture
							Analysis of developing structures			
							and functions of the United			
							Nations and other international			
			International		Political		organizations, and concepts			
Fall 2007	PLS572	572	Organization	PLS	Science	4	relating to world government.	GR	LE	Lecture

						Examines controversies over			
						human rights in the U.S.			
						Considers contending definitions			
						of human rights and debates			
						over policy by focusing on a			
						range of issues including			
			Human Rights		Political	immigration, pornography, gay			
Fall 2007	PLS575	575	in USA	PLS	Science	4 rights, race relations, and	GR	LE	Lecture
1 411 2007	1 20070	0.0		. 20	00.01.00	Study of war, peace, and current	O. C		Lootaro
						efforts in dealing with			
						international conflict. Examines			
						the roots of war in American			
						society and alternative strategies			
					Political	for elimination of war as an			
Fall 2007	PLS576	576	Peace Studies	PLS	Science	4 instrument of policy.	GR	LE	Lecture
						Study of U.S. national defense			
			National			and security policy process and			
			Security		Political	the major strategic issues facing			
Fall 2007	PLS581	581	Politics	PLS	Science	4 the U.S. government.	GR	LE	Lecture
						Examines the course of the			
			US-Japan			relationship between the U.S.			
			Foreign		Political	and Japan. Includes political,			
Fall 2007	PLS582	582	Relations	PLS	Science	4 security, and economic issues.	GR	LE	Lecture
			Studies in			Problems, approaches, and			
			Selected		Political	topics in the field of political			Independe
Fall 2007	PLS599	599	Subjects	PLS	Science	1 science. Topics vary.	GR	IS	nt Study
						Critical examination of political			
						ideas from 500 B.C. to A.D. 1500			
						with emphasis on Plato, Aristotle,			
			Classic &			Cicero, St. Augustine, St.			
			Medieval Pol		Political	Thomas Aquinas, Luther, Calvin,			
Fall 2007	PLS602	602	Thought	PLS	Science	4 and Machiavelli.	GR	LE	Lecture

						(Listed jointly with PHL 632.)			
						Critical examination of political			
						ideas from 1600 to 1900 with			
						emphasis on Hobbes, Locke,			
			Political			Rousseau, Montesquieu, Hume,			
			Thought:		Political	Burke, Hegel, Bentham, Marx,			
Fall 2007	PLS603	603	Hobbes-Mill	PLS	Science	4 and Mill.	GR	LE	Lecture
						Critical examination of the ideas			
						of twentieth-century political			
						theorists. Emphasis on the			
			20th Century			nature, methodology, evaluation,			
			Political		Political	existing condition, and future of			
Fall 2007	PLS604	604	Thought	PLS	Science	4 political thought.	GR	LE	Lecture
						Examines contending theories of			
						the international political			
			Global			economy, including mercantilist,			
			Theories/Gend		Political	liberal, (neo) Marxist, and			
Fall 2007	PLS606	606	er Pltcs	PLS	Science	4 feminist perspectives.	GR	LE	Lecture
			Seminar in			Readings, research, reports, and			
			Political		Political	discussion on selected theorists,			
Fall 2007	PLS607	607	Theory	PLS	Science	4 topics, and problems.	GR	SE	Seminar
						Examines radical black thought			
						and philosophy from a Pan-			
			Radical Black		Political	Africanist perspective, primarily			
Fall 2007	PLS608	608	Thought	PLS	Science	4 focuses on the 20th century.	GR	LE	Lecture
						Techniques and methods relating			
						to research in political science;			
			Seminar in		Political	application to individual projects			
Fall 2007	PLS611	611	0,	PLS	Science	4 and research designs.	GR	SE	Seminar
			Topics-			Selected topics of methodological			
			Emperical Pol		Political	or analytical concern in			
Fall 2007	PLS612	612	Analysis	PLS	Science	4 contemporary political research.	GR	LE	Lecture

			T			T	1		
						(Also listed as ENG 660.) Study			
						and critique of political themes in			
						works of selected 20th century			
						authors, including social roles,			
						activism, political awareness,			
						power, government, and conflict			
			Politics & the		Political	at the individual, institutional,			
Fall 2007	PLS620	620	Novel	PLS	Science	4 and international level.	GR	LE	Lecture
						(Also listed as URS 627.)			
						Selected urban problems and			
						their relationship to the political			
						environment; explores program			
			Urban Policy		Political	design and evaluation, and the			
Fall 2007	PLS627	627	Analysis	PLS	Science	4 use of social indicators.	GR	LE	Lecture
						Critical pedagogy allows for an in-			
						depth exploration of many			
						problematic issues that assail			
						African Americans from outside			
			Contemp Afr-			and within the black community.			
			Amer		Political	Several possible explanations			
Fall 2007	PLS628	628	Problems	PLS	Science	4 and solutions will be addressed.	GR	LE	Lecture
						Selected topics related to			
						American political institutions			
						and processes. Emphasis on			
			Seminar-Amer		Political	readings, discussion, and			
Fall 2007	PLS630	630	Politics & Govt	PLS	Science	4 research. Topics vary.	GR	SE	Seminar
						Investigation of political and			
						legal issues in computer and			
						Internet based crime, including			
						child pornography, computer			
						fraud, and identity theft,			
						prevention of cyber crime and			
					Political	responsibilities of computer			
Fall 2007	PLS631	631	Cyber Crime	PLS	Science	4 owners and Internet servers.	GR	LE	Lecture

Fall 2007	PLS633	633	Public Opinion	PLS	Political Science	Opinion formation in American politics; relationship of opinion to public policy; voting behavior in American elections; role of mass media and political interest groups in the policy process; and development of political attitudes 4 and values.		LE	Lecture
	PLS634	634	Political		Political	Involves the study of political attitude development. The acquisition of basic political orientations and values, beginning with childhood and proceeding through adolescence and adulthood. Investigation of	GR	LE	
Fall 2007	PLS634	635	Seminar - Political Corruption	PLS PLS	Science Political Science	4 the role of various socializing Analysis of political corruption, including campaigns and elections, graft, the executive branch, congressional ethics, corruption in law enforcement, organized crime, and abuse of 4 authority.	GR	SE	Lecture
Fall 2007	PLS636	636	Criminal Law	PLS	Political Science	Examines the nature of the criminal law and reviews the law pertaining to criminal liability; inchoate crimes; the elements of crimes against persons, property, and habitation; and the defenses 4 to criminal actions.	GR	LE	Lecture

						Examines the constitutional			
						protections that the individual			
						has when confronting the			
						criminal justice system and			
						examines the case law pertaining			
						to the Fourth Amendment			
						(search and seizure), Fifth			
			Criminal		Political	Amendment (self-incrimination),			
Fall 2007	PLS637	637	Procedure	PLS	Science	4 and Sixth Amendment (right to	GR	LE	Lecture
						Examines environmental law and			
						policy and reviews the statutory			
						framework pertaining to			
						environmental impact			
						statements, the regulation of air			
						and water pollution, the disposal			
			Envirnmental		Political	and cleanup of toxic wastes, and			
Fall 2007	PLS638	638	Law & Policy	PLS	Science	4 workplace safety	GR	LE	Lecture
						New biological technologies are			
						emerging that increase our			
						control over human behavior.			
						Course examines legal			
						implications of new biological			
						technologies, particularly mind			
			Bioethics&Law			and behavior control, genetic			
			:Abortion,Dth/		Political	engineering, birth and death			
Fall 2007	PLS639	639	Med	PLS	Science	4 control and organ	GR	LE	Lecture
						Cases in which provisions of the			
						Constitution have been judicially			
						interpreted; federal systems;			
			Constitutional		Political	separation of powers; and limits			
Fall 2007	PLS640	640	Law	PLS	Science	4 on government.	GR	LE	Lecture

Fall 2007	DI \$441	4.41	Natural Resources	DI C	Political	This course examines federal management of natural resources on public lands, specifically, water, minerals, timber, grazing, and wildlife. Constitutional authority, statutes, regulations, federalism, and judical review of administrative	CD		Loctura
Fall 2007	PLS641	641	Law	PLS	Science	4 decisions are analyzed. Survey of the American criminal	GR	LE	Lecture
						justice system, concentrating on			
						political aspects. Topics include			
			American			police, judges, attorneys,			
			Criminal		Political	Supreme Court decisions, crime,			
Fall 2007	PLS642	642	Justice Syst	PLS	Science	4 and public opinion.	GR	LE	Lecture
						Study of the law controlling the process by which public agencies			
						make and administer policy.			
						Topics include policy formulation and budgeting, legislative			
						delegation, administrative			
			Administrative		Political	agencies, rule-making, and			
Fall 2007	PLS643	643	Law Procedure	PLS	Science	4 adjudication.	GR	LE	Lecture
			Topics in			Problems, approaches, and			
			Criminal		Political	topics in the field of criminal			
Fall 2007	PLS644	644	Justice	PLS	Science	4 justice. Topics vary.	GR	LE	Lecture
						Criminal investigative techniques			
						including forensics, evidence,			
			Adv. Crimain - I		Delitical	interviews, and interrogation as			
Fall 2007	PLS645	645	Adv Criminal	PLS	Political Science	applied to specific types of 4 crimes.	GR	LE	Lecture
rail 2007	PL3045	040	Investigation	rlo	Science	4 UIIII05.	GK	LC	Lecture

			Public		Political	Examination of the major phases of the governmental budget cycle; types of budget; budgetary reform; economic and public policy impact of government budgeting; decision-making; and legislative-executive			
Fall 2007	PLS646	646	Budgeting	PLS	Science	relations in budget formation and implementation.	GR	LE	Lecture
rali zuu/	rL3040	040	Sem Pub	rLo	Political	Selected national, state, and local problems with emphasis on legal scope of administrative power and on research methods			Lecture
Fall 2007	PLS647	647	Admin	PLS	Science	4 used by staff agencies. Topics	GR	SE	Seminar
F. II 2007	DI CV 40	(40	Gender Violence &	DI C	Political	Examines gender violence in the U.S. Considers the range of violence, its sources, and solutions. Topics include domestic violence, rape, eating disorders, reproductive rights,			
Fall 2007	PLS648	648	Amer Pol Intl Politics- Gender	PLS	Science Political	4 and pornography. Cross cultural examination of gender violence. Considers the range of violence, its sources, and solutions. Topics include domestic abuse, rape, female genital surgeries, prostitution,	GR	LE	Lecture
Fall 2007	PLS649	649	Violence	PLS	Science	4 and reproductive rights.	GR	LE	Lecture
			Contemp		Political	Political processes and governmental institutions of sub-Saharan Africa; special attention to dynamics of political development and socioeconomic change. Comparative analysis of			
Fall 2007	PLS651	651	African Politics	PLS	Science	4 selected African political	GR	LE	Lecture

						Examines the role of human			
						rights in international relations.			
						Considers contending definitions			
						of human rights and debates			
			Intl Humann		Delitical	over policy by focusing on case			
F-II 0007	DI C/FO	450	Intl Human	DI C	Political	studies including South Africa,	CD.		1
Fall 2007	PLS652	652	Rights	PLS	Science	4 China, Guatemala, and Bosnia.	GR	LE	Lecture
						Examines the political life in the			
						former Soviet Union, with			
						emphasis on the legacy of			
			Soviet		5	communism and the role of			
			Successor		Political	economics and politics in the			
Fall 2007	PLS653	653	States	PLS	Science	4 transition to democracy.	GR	LE	Lecture
						Introduction to governments and			
						politics of the Middle East with			
						special attention to cultural and			
			Politics of the		Political	historical background and the			
Fall 2007	PLS654	654	Middle East	PLS	Science	4 Arab-Israeli conflict.	GR	LE	Lecture
						A seminar covering the			
						development and current status			
						of Israeli and Palestinian politics,			
						with emphasis on the Palestinian-			
			Israeli &			Israeli conflict, and the			
			Palestinian		Political	government and politics of			
Fall 2007	PLS655	655	Politics	PLS	Science	4 Israeli and the Palestinian	GR	LE	Lecture
						This course examines Canadian			
						government and politics,			
						including political values and			
						culture, as well as institutions			
						and processes. The Canada-US			
			Canadian			relationship, and similarities and			
			Government &		Political	differences between the two			
Fall 2007	PLS656	656	Politics	PLS	Science	4 systems will be examined.	GR	LE	Lecture

							An examination of the theory			
							and practice of Scandanavian			
							government and politics.			
							Consideration of both the			
							political values and culture of the			
			Scandanavian		Political		region as well as its prime			
Fall 2007	PLS657	657	Govt & Politics F	DI C	Science	1	political institutions and	GR	SE	Seminar
raii 2007	PL3037	037	GOVE & POINTICS P	PLS	Science	4	Introduction to Brazilian politics,	GK	SE	Serriiriai
							society and economy. Topics			
							include Brazil's political and			
							economic liberalization, its			
							international relations, gender			
			Contomporary		Political		and race relations, and the			
Fall 2007	PLS659	659	Contemporary Brazil F	PLS	Science		environment.	GR	LE	Lecture
raii 2007	PL3039	009	Seminar-Comp	PLS	Science	4	Readings, research, reports, and	GK	LE	Lecture
			Political		Political		discussion of selected topics and			
Fall 2007	PLS660	660		PLS	Science		problems. Topics vary.	GR	SE	Seminar
raii 2007	PL3000	000	Systems	PLS	Science	4	Examines group behavior	GK	SE	Serriiriai
							motivated by the desire to			
							change political, economic, and			
							social systems. Special attention			
			Social				will be given to movements			
			Movements		Political		outside of the United States,			
Fall 2007	PLS661	661		PLS	Science		including cross-national and	GR	LE	Lecture
1 all 2007	F L300 I	001	and Frotests F	LJ	Science	4	Survey of theoretical literature	GK	LL	Lecture
							on revolutions: what they are,			
							how and why they occur.			
							Explores different approaches to			
							the topic and some of the			
			Comparative		Political		current debates in the literature.			
Fall 2007	PLS662	662	•	PLS	Science	1	Applies theory to actual historical	CP	LE	Lecture
1 411 2007	1 L3002	002	Revolutions 1	LJ	Julience	7	Analysis of political structures	OK	LL	Lecture
							and processes of Communist			
			Political				China; focus on dynamic factors			
			Systems of		Political		of socioeconomic and political			
Fall 2007	PLS667	667		PLS	Science		development.	GR	LE	Lecture
1 all 2007	1 L3007	007	Official F	LJ	30101100	4	acrolopinoni.	UIN	ㄴㄴ	Lociule

			Sem in				Readings, research, reports, and			
			International		Political		discussion on selected topics and			
Fall 2007	PLS670	670	Relations	PLS	Science		problems.	GR	SE	Seminar
							Study of rules governing the			
							conduct of international politics			
			International		Political		with emphasis on their relevance			
Fall 2007	PLS671	671	Law	PLS	Science		to current world problems.	GR	LE	Lecture
i							Surveys the phenomenon of			
i							terrorism: who employs it, how			
							and why it occurs in international			
			International		Political		politics, and how targets respond			
Fall 2007	PLS672	672	Terrorism Sem	PLS	Science	_	to terrorism.	GR	SE	Seminar
							Role of the United States in			
							contemporary international			
							politics and the relationship of			
							the domestic political system to			
			American		Political		that role. Discussion of current			
Fall 2007	PLS673	673	Foreign Policy	PLS	Science	4	problems.	GR	LE	Lecture
							Examines the political behavior			
							of women in crime and			
			Politics of				terrorism, including the roles			
			Women		Political		played by women in criminal			
Fall 2007	PLS674	674	Terrorists	PLS	Science	4	activities and terrorist groups.	GR	SE	Seminar
							An examination of the position of			
							women and the power of gender			
							in world politics through the			
							feminist international relations			
			Women, Gende		Political		theory and case studies of			
Fall 2007	PLS675	675	r & World Pol	PLS	Science	4	women in international politics.	GR	LE	Lecture
							Experiential internship in the			
							office of a state legislator,			
			Legislative		Political		including office work, constituent			
Fall 2007	PLS682	682	•	PLS	Science		assistance and research.	GR	IN	Internship

			Chinese		Political		Examines foreign policy perspectives of modern Chinese leaders, including historical, political, economic and ideological priorities. Special attention will be given to China-US relations, as well as China's role in international and regional			
Fall 2007	PLS685	685	Foreign Policy	PLS	Science	4	organizations.	GR	LE	Lecture
			Model UN		Political	•	Model UN is an experiential learning opportunity built around the seminar, with intensive training in research, public speaking, bargaining, and conflict resolution. It culminates at the national collegiate conference in New York,			25512.5
Fall 2007	PLS686	686	seminar	PLS	Science	4	simulating the United Nations.	GR	SE	Seminar
Fall 2007	PLS687	687	Hst&Pol- Intelligence Gathering	PLS	Political Science		This course examines the history of intelligence gathering, analysis and application in policy-making in the United States. The tension inherent in a secret agency operating within a democratic state and the role of technology are addressed.		LE	Lecture
			Independent		Political		Supervised individual readings on			Independe
Fall 2007	PLS690	690	Reading	PLS	Science	1	selected topics.	GR	IS	nt Study
			Independent		Political		Supervised individual research			Independe
Fall 2007	PLS691	691	Research	PLS	Science	1	on selected topics.	GR	IS	nt Study
Fall 2007	PLS692	692	Independent Field Experience	PLS	Political Science	1	Supervised individual projects. May involve intern programs in local government or other special programs.	GR	IS	Independe nt Study

					Advanced study in selected			
					topics in political science. Topics			
					frequently include new			
					developments in the			
					methodology or subject matter			
		Contemporary		Political	of the various sub-fields of the			
PLS693	693	Problems	PLS	Science	1 discipline. May be repeated for	GR	LE	Lecture
					Study of particular political			
				Political	problems of contemporary			
PLS694	694	Special Topics	PLS	Science	1 significance.	GR	LE	Lecture
		·			Emphasis on statistical literacy			
					and data analysis in political			
					science. Discusses reliability,			
				Political	validity, hypothesis testing,			
PLS701	701	ICP Statistics I	PLS	Science	3, 3,	GR	LE	Lecture
					·			
		ICP Statistics		Political				
PLS702	702	П	PLS	Science	4 regression and time series.	GR	LE	Lecture
					Addresses fundamentals of			
					qualitative and quantitative			
					research in social science; with			
					emphasis on skills needed to			
		ICP Research		Political	complete masters thesis or			
PLS703	703	Design	PLS	Science	4 project.	GR	LE	Lecture
					Introduction to the theories and			
					concepts employed in modern			
				Political	,			
PLS730	730	ICP Theories	PLS	Science		GR	LE	Lecture
					international relations or			
					comparative politics. May be			
		ICP Graduate		Political				
PLS731	731	Seminar	PLS	Science	4 differing subtitle.	GR	SE	Seminar
	PLS701 PLS702 PLS703	PLS701 701 PLS702 702 PLS703 703 PLS730 730	PLS693 693 Problems PLS694 694 Special Topics PLS701 701 ICP Statistics I ICP Statistics II PLS702 702 II PLS703 703 ICP Research Design PLS730 730 ICP Theories ICP Graduate	PLS693 693 Problems PLS PLS694 694 Special Topics PLS PLS701 701 ICP Statistics I PLS ICP Statistics III PLS PLS702 702 II PLS PLS703 703 ICP Theories PLS PLS730 730 ICP Theories PLS	PLS693 693 Problems PLS Science PLS694 694 Special Topics PLS Science PLS701 701 ICP Statistics I PLS Political Science PLS702 702 ICP Research Design PLS Science PLS703 703 ICP Theories PLS Political Science PLS730 730 ICP Theories PLS Political Science	Contemporary PLS693 693 Problems PLS Science PLS694 694 Special Topics PLS Science PLS701 701 ICP Statistics I PLS702 702 II PLS703 703 Design PLS Science PLS703 730 ICP Theories PLS Science PLS730 730 ICP Theories PLS Science PLS Sci	topics in political science. Topics frequently include new developments in the methodology or subject matter of the various sub-fields of the 1 discipline. May be repeated for GR Study of particular political problems of contemporary and data analysis in political science. Discusses reliability, validity, hypothesis testing, measurement and probability. GR Continued emphasis on statistical literacy and data analysis in political science. Discusses reliability, validity, hypothesis testing, measurement and probability. GR Continued emphasis on statistical literacy and data analysis in political science, with focus on regression and time series. GR Addresses fundamentals of qualitative and quantitative research in social science; with emphasis on skills needed to complete masters thesis or PLS703 703 Design PLS Science 4 project. GR Introduction to the theories and concepts employed in modern political analysis with emphasis on the study of international relations or comparative politics. May be repeated for credit under a	topics in political science. Topics frequently include new developments in the methodology or subject matter of the various sub-fields of the 1 discipline. May be repeated for GR LE Study of particular political problems PLS Science 1 significance. PLS694 694 Special Topics PLS Science 1 significance. GR LE Emphasis on statistical literacy and data analysis in political science. Discusses reliability, validity, hypothesis testing, 4 measurement and probability. GR LE Continued emphasis on statistical literacy and data analysis in political science, with focus on PLS702 702 II PLS Science 4 regression and time series. GR LE Addresses fundamentals of qualitative and quantitative research in social science; with emphasis on skills needed to complete masters thesis or 4 project. GR LE Introduction to the theories and concepts employed in modern political analysis with emphasis on the study of international relations and comparative political. May be repeated for credit under a literacy and political. May be repeated for credit under a

							Field experience for students in			
							selected settings. Jointly			
							supervised by faculty and on-site			
					Political		personnel. May be repeated up			
Fall 2007	PLS779	779	Practicum	PLS	Science	1	to a total of 4 credits.	GR	PR	Practicum
1			Continuing		Political					Independe
Fall 2007	PLS789	789	Registration	PLS	Science	1	Continuing registration.	GR	IS	nt Study
							Practical application of			
							knowledge gained through			
			Graduate		Political		coursework and field experience			
Fall 2007	PLS798	798	Project	PLS	Science	1	applied to a capstone project.	GR	LE	Lecture
İ			Graduate							
İ			Thesis		Political					
Fall 2007	PLS799	799	Research	PLS	Science		Research for Master's Thesis.	GR	LE	Lecture
							Study of the vocabulary and			
							structure of the Portuguese			
I							language; practice in			
			First Year		Portugues		conversation, reading, and			
Fall 2007	POR101	101	Portuguese	POR	е		writing.	UG	LE	Lecture
I							Study of the vocabulary and			
i							structure of the Portuguese			
							language; practice in			
			First Year		Portugues		conversation, reading, and			
Fall 2007	POR102	102	Portuguese	POR	е		writing.	UG	LE	Lecture
							Study of the vocabulary and			
							structure of the Portuguese			
							language; practice in			
			First Year		Portugues		conversation, reading, and			
Fall 2007	POR103	103	Portuguese	POR	е	4	writing.	UG	LE	Lecture
							Introduction to Portuguese with			
							an emphasis on speaking the			
							language. May be taken for a			
Ì			Essentials of		Portugues		letter grade or			
Fall 2007	POR111	111	Portuguese	POR	е	4	pass/unsatisfactory.	UG	LE	Lecture

E-II 2007	DOD412	112	Essentials of	DOD	Portugues	Introduction to Portuguese with an emphasis on speaking the language. May be taken for a letter grade or	110	15	Lastona
Fall 2007	POR112	112	Portuguese	POR	е	4 pass/unsatisfactory.	UG	LE	Lecture
Fall 2007	POR201	201	Second Year Portuguese	POR	Portugues e	Grammar review, reading, and discussion of selected texts with practice in speaking and writing the language.	UG	LE	Lecture
Fall 2007	POR202	202	Second Year Portuguese	POR	Portugues e	Grammar review, reading, and discussion of selected texts with practice in speaking and writing 4 the language.	UG	LE	Lecture
1 all 2007	I OKZUZ	202	History & Systems -	TOK	Professio nal Psycholog	Historical and philosophical precursors philosophers' and recent thinkers' views of epistemology, existentialism,		LL	Lecture
Fall 2007	PSI801	801	Psychology Memory,Cognition-Ind Inf	PSI	Professio nal Psycholog	3 consciousness, and behavior. Structure of human cognitive systems. Relationship of individual differences, including cognitive styles and intelligence test performance, and cognitive structure and processing. Applications to clinical and	GR	LE	Lecture
Fall 2007	PS1802	802	Proc	PSI	y Professio nal	3 training problems. An overview of theories of learning including classical and operant conditioning and verbal learning. Course includes application of learning theories in the development and treatment	GR	LE	Lecture
Fall 2007	PS1803	803	Fundamentals of Learning	PSI	Psycholog v	of psychological disorders. Titles vary.	GR	LE	Lecture

						Strengths, limitations, and applications of research designs. Statistical theory and principles of descriptive and major parametric and nonparametric inferential procedures. Develops			
					Professio	ability to critically review			
			Adv Statistics		nal	research, demonstration, and			
			& Exp Design		Psycholog	evaluation results. Lecture, lab,			
Fall 2007	PS1804	804	I	PSI	у	3 field work. Titles vary.	GR	LE	Lecture
					Professio	This is a continuation of PSI 804-			
			Adv Statistics		nal	Advanced Statistics and			
			& Exp Design		Psycholog	Experimental Design I. Titles			
Fall 2007	PS1805	805	11	PSI	у	3 vary.	GR	LE	Lecture
					Professio nal Psycholog	Process of client designation, problem identification, and functional analysis. Client expectancy, establishing relationships, developing information base for linking, consultation, and referral. Interviewing styles and types. Lecture, lab, field work. Titles			
Fall 2007	PS1806	806	Interviewing I	PSI	У	3 vary.	GR	LE	Lecture
					Professio nal Psycholog	Process of client designation, problem identification, and functional analysis. Client expectancy, establishing relationships, developing information base for linking, consultation, and referral. Interviewing styles and types. Lecture, lab, field work. Titles			
Fall 2007	PS1807	807	Interviewing II	PSI	V	1 vary.	GR	LE	Lecture

						Issues relevant to students'	
						development as professional	
						psychologists including	
						professional involvement, legal	
					Professio	and legislative issues,	
					nal	professional ethics and	
			Professional				
Fall 2007	PS1808	808		PSI	Psycholog	standards, and relation with 0 other professional groups. GR LE	Lastura
Fall 2007	P31808	808	Development	P31	У	1 9 1	Lecture
						The basics of psychological	
						assessment. Reliability and	
						validity of measurement, current	
						issues in measurement, clinical	
						interviewing and mental status	
						examination are covered. As	
						time allows, an introduction to	
					Professio	theories of intelligence is	
					nal	presented. Titles vary. May be	
			Psychological		Psycholog	taken for letter grade or	
Fall 2007	PSI810	810	Assmnt 1	PSI	у	1 pass/unsatisfactory. GR LE	Lecture
						Basic intelligence and aptitude	
						assessment devices and	
						interface with intervention plans.	
						Biological individual, and social	
						system influences, and minority	
					Professio	and social class issues in	
			Psy		nal	assessment. Lecture, lab, field	
			Assessment		Psycholog	work. Titles vary. Lab may be	
Fall 2007	PSI811	811	II: Cognitive	PSI	y	3 taken for letter grade or GR LE	Lecture
					Professio		
			Lab in Psy		nal		
			Assess II:		Psycholog		
Fall 2007	PSI811L	811L	Cognitiv	PSI	у	1 GR LB	Lab
					Professio		
			Psychological		nal		
			Assessment		Psycholog		
Fall 2007	PSI812	812	Ш	PSI	y	3 GR LE	Lecture

	Dovoh		Professio				
121 8121		DSI		3	GR	I R	Lab
0121	Projective	731	Professio nal Psycholog	Overview of the administration, scoring, and interpretation of several projective techniques including projective drawings, Incomplete Sentence Blanks, the Thematic Apperception Test (TAT), the Children's Apperception Test (CAT), and other storytelling techniques. Titles vary. May be taken for a letter grade or	GK	LB	Lab
13 813	Assessment I	PSI	у	1 pass/unsatisfactory.	GR	LE	Lecture
	Educational		Professio nal Psycholog	of physical impairment, specific learning disabilities, and adult ADHD. Titles vary. May be taken for a letter grade or			
14 814	Assessment	PSI	у		GR	LE	Lecture
	Malkinghamat		Professio nal	Focuses on the recognition of cultural diversity issues as an integral component of a psychologist's clinical and professional responsibilities and the incorporation of these issues into one's evolving professional			
19 819		PSI	v	3 3	GR	I B	Lab
		Projective Assessment I Educational Assessment Multicultural	Assessment III Lab PSI Projective Assessment I PSI Educational Assessment PSI Multicultural	Psych Assessment III Lab PSI Professio nal Psycholog y Projective Assessment I PSI Professio nal Psycholog y Educational Assessment PSI Professio nal Psycholog y Multicultural Professio nal Psycholog professio nal Psycholog y	Psych Assessment I2L 812L III Lab PSI y 3 Overview of the administration, scoring, and interpretation of several projective techniques including projective drawings, Incomplete Sentence Blanks, the Thematic Apperception Test (TAT), the Children's Apperception Test (CAT), and other storytelling techniques. Titles vary. May be taken for a letter grade or Projective PSI y Professio nal Professio nal Assessment I PSI y Professio nal Educational Educational Assessment PSI y Professio nal Educational Assessment PSI y Ray Assessment PSI y Roy Assessment ADHD. Titles vary. May be taken for a letter grade or pass/unsatisfactory. Focuses on the recognition of cultural diversity issues as an integral component of a psychologist's clinical and professional responsibilities and the incorporation of these issues into one's evolving professional identity. May be taken for a lettering of the susues into one's evolving professional identity. May be taken for a lettering of these issues into one's evolving professional identity. May be taken for a	Psych Assessment III Lab PSI y 3 Overview of the administration, scoring, and interpretation of several projective techniques including projective techniques including projective drawings, Incomplete Sentence Blanks, the Thematic Apperception Test (TAT), the Children's Apperception Test (CAT), and other storytelling techniques. Projective Projective Psycholog 13 813 Assessment I PSI y 1 pass/unsatisfactory. GR Covers the issues and methods surrounding the assessment of various types of academic/learning problems including academic underpreparation, impact of psychological impairment, impact of physical impairment, specific learning disabilities, and adult ADHD. Titles vary. May be taken for a letter grade or 1 pass/unsatisfactory. GR Educational Educational Assessment PSI y 1 pass/unsatisfactory. GR Focuses on the recognition of cultural diversity issues as an integral component of a psychologist's clinical and professional responsibilities and the incorporation of these issues into one's evolving professional identity. May be taken for a	Psych Assessment Psycholog Psycholog III Lab PSI y 3 Overview of the administration, scoring, and interpretation of several projective techniques including projective drawings, Incomplete Sentence Blanks, the Thematic Apperception Test (CAT), and other storytelling techniques. Titles vary. May be taken for a letter grade or 1 pass/unsatisfactory. Assessment I PSI y 1 pass/unsatisfactory. GR LE Covers the issues and methods surrounding the assessment of various types of academic/learning problems including academic underpreparation, impact of psychological impairment, impact of physical impairment, impact of ph

					Professio nal					
			Multicultural		Psycholog					
Fall 2007	PS1820	820	Lab: II	PSI	у	1 Continuation	of PSI 819.	GR	LB	Lab
							ejudice, social			
						· ·	sing desegregation,			
						-	e styles on work and			
						5 5	nships. Problem			
					Professio	areas, streng	ths of minorities.			
					nal	Managing pre	ejudice within the			
			Ethnocultural		Psycholog	professional/	client relationship.			
Fall 2007	PS1821	821	Issues	PSI	у	3 Lecture, lab,	field work.	GR	LE	Lecture
						Explores the	impact of gender on			
					Professio	human behav	vior with specific			
					nal	focus on the	role of gender in			
					Psycholog	. 5	assessment and			
Fall 2007	PS1822	822	Gender Issues	PSI	у	1 practice. Title		GR	LE	Lecture
							nd behavior in a			
						·	g. Psychodynamic,			
						•	ogical, dispositional,			
							al theories of			
						-	Role of cognition,			
					Professio	<u> </u>	ion interaction,			
					nal	·	self-esteem, and			
E 11 0007	DOLOGO	000	Physiological	DOL	Psycholog		motivation in	0.0		
Fall 2007	PS1830	830	Psychology: I	PSI	У	3 therapy.	than and madels of	GR	LE	Lecture
							tion and models of			
							ogy including			
							genetic, dynamic,			
							al dimensions;			
					Professio	diagnostic sy	stems, differential			
			Adult		nal	<u> </u>	riables affecting			
			Psychopatholo		Psycholog		d group functioning			
Fall 2007	PSI831	831	gy	PSI	v	3 also are cove	• .	GR	LE	Lecture
1 411 2007	1 21031	001	9ÿ	1 31	У	Jaiso are cove	i cu.	UIN		Lociule

							lassification and diagnostic			
							ystems related to children.			
					D ()		ehavioral problems and related			
			01.11.1		Professio		roblems in life adjustment,			
			Child		nal		earning, and adaption to peers.			
E !! 0007	501000		Psychopatholo	501	Psycholog		furrent theories of etiology and	0.0		
Fall 2007	PS1832	832	ду	PSI	У		reatment interventions.	GR	LE	Lecture
							onceptualizations of infancy,			
i							arly childhood, and adolescence			
1					5 6		ncluding physical, cognitive,			
					Professio		ntellectual, social, and			
					nal		nterpersonal development.			
			Human		Psycholog		ecture, lab, field work. Titles			
Fall 2007	PS1835	835	Development	PSI	У		ary.	GR	LE	Lecture
							heories and experimental			
							ndings regarding determinants			
							f social behavior including social			
							notivation, attribution theory,			
						-	erception of people, attitude			
					Professio		neories, group processes,			
					nal		nterpersonal attraction, and			
			Social		Psycholog		nvironmental determinants of			
Fall 2007	PS1840	840	Psychology	PSI	У		ehavior. Lecture, lab, field	GR	LE	Lecture
							ackground, development, and			
							neory of small groups. Effective			
							eadership techniques and			
					Professio	1 -	rocedures for planning,			
					nal		onducting, and evaluating			
			Group		Psycholog		roup interaction and progress.			
Fall 2007	PSI841	841	Psychotherapy	PSI	У		ecture, lab, field work.	GR	LE	Lecture
							aboratory portion of the PSI			
							41. Provides students with			
							ands on experience in forming,			
					Professio		onducting and evaluating group			
			Group		nal	ir	nteraction and progress. May be			
			Psychotherapy		Psycholog	ta	aken for a letter grade or			
Fall 2007	PSI841L	841L	Lab	PSI	у	1 p	ass/unsatisfactory.	GR	LB	Lab

				T		T	
						Theory and definition of crisis.	
						Individual and community	
						support systems and crisis	
						programs in hospitals, suicide	
					Professio	and crisis centers, and office,	
					nal	family, and other settings.	
			Crisis		Psycholog	Lecture, lab, field work.	
Fall 2007	PS1842	842	Intervention	PSI	y	3 Concurrent enrollment in lecture GR LE Lec	cture
					Professio		
			Crisis		nal		
			Intervention		Psycholog		
Fall 2007	PSI842L	842L	Laboratory	PSI	y	1 Laboratory portion of PSI 842. GR LB Lal	b
			,			Physiology of body systems	
						including endocrine, nervous,	
						musculoskeletal, respiratory,	
						cardiovascular, reproductive, and	
					Professio	renal systems. Autonomic and	
					nal	endocrine regulation of body	
			Physiological		Psycholog	systems in homeostasis and	
Fall 2007	PS1850	850	Psychology	PSI	у		cture
1 411 2007	1 31030	030	Taychology	1 31	y	Intensive treatment of subject	cture
						materials or techniques providing	
						students with increased	
						experience or specialization in	
						specific interventions,	
					Professio	assessments, concepts, or	
					nal	approaches. Titles vary. Topics	
Fall 2007	DCIOE1	0.51	Flootius	DCI	Psycholog	vary. May be taken for a letter	at
Fall 2007	PSI851	851	Elective	PSI	У	9 1	cture
						Intensive treatment of subject	
						materials or techniques providing	
						students with increased	
						experience or specialization in	
						specific interventions,	
					Professio	assessments, concepts, or	
			_		nal	approaches. Titles vary. Topics	
			Systems of		Psycholog	vary. May be taken for a letter	
Fall 2007	PS1852	852	Psychotherapy	PSI	У	1 grade or pass/unsatisfactory. GR LE Lea	cture

						Problem identification, analysis, intervention management,			
						planning, and evaluation related			
						to systems of service,			
					Professio	organization, and support.			
			Service		nal	Quality assurance, operations			
			Delivery		Psycholog	theory, and evaluation applied to			
Fall 2007	PS1872	872	Systems	PSI	y	3 service delivery. Lecture, lab,	GR	LE	Lecture
	+					Consultation as used for analysis			
						and change in human service			
						settings, business, and industry.			
					Professio	Learning principles used to			
					nal	change public, community,			
					Psycholog	group, and individual behavior.			
Fall 2007	PS1873	873	Consultation	PSI	y	3 Lecture, lab, field work.	GR	LE	Lecture
						Analysis and assessment of			
						systems, management styles,			
						work environments, stress and			
						stress management, and			
						executive assessment. Personnel			
					Professio	relations, productivity, and			
					nal	human factors (human/machine			
			Organizational		Psycholog	interface) are considered.			
Fall 2007	PS1874	874	Psychology	PSI	у	3 Lecture, lab, field work.	GR	LE	Lecture
						Introduction to legal and criminal			
						justice system. Study of criminal			
						and civil law in relation to			
					Professio	professional practice. Study of			
			Forensic		nal	evidentiary procedures.			
			Psychology:Cri		Psycholog	Discussion of adversary			
Fall 2007	PS1875	875	minal	PSI	у	3 procedures.	GR	LE	Lecture

						Intense treatment of subject			
						materials or techniques providing			
						students with increased			
						experience or specialization in			
					Professio	specific interventions,			
					nal	assessments, concepts, or			
					Psycholog	approaches. Titles vary. Topics			
Fall 2007	PS1880	880	Elective	PSI	у	1 vary.	GR	LE	Lecture
						Intense treatment of subject			
						materials or techniques providing			
						students with increased			
						experience or specialization in			
					Professio	specific interventions,			
					nal	assessments, concepts, or			
					Psycholog	approaches. Titles vary. Topics			
Fall 2007	PS1881	881	Elective	PSI	у	1 vary.	GR	LE	Lecture
						Intense treatment of subject			
						materials or techniques providing			
						students with increased			
						experience or specialization in			
					Professio	specific interventions,			
					nal	assessments, concepts, or			
					Psycholog	approaches. Titles vary. Topics			
Fall 2007	PS1882	882	Elective	PSI	у	1 vary.	GR	LE	Lecture
					Professio				
					nal	Exposure to a variety of clinical			
			Practice		Psycholog	case materials using a vertical			
Fall 2007	PS1908	908	Tutorial	PSI	у	1 team format. Titles vary.	GR	LE	Lecture
						Neurophysiology emphasizing			
						major CNS structures and tracts,			
						location and function of cranial			
					Professio	nerve nuclei and cranial nerve			
					nal	pathways. Organization of CNS			
					Psycholog	vasculature and localization of			
Fall 2007	PSI910	910	Elective	PSI	у	1 function. Lecture, lab, field work.	GR	LE	Lecture

					Professio nal				
			Neuropsycholo		Psycholog				
Fall 2007	PSI911	911	gy I	PSI	у	3	GR	LE	Lecture
						Introduction to the field of			
						clinical neuropsychological			
						assessment. Students will be			
						provided with information			
					Professio	relevant to the selection,			
					nal	administration, scoring, and			
			Neuropsycholo		Psycholog	interpretation of			
Fall 2007	PSI912	912	gy II	PSI	У	1 9 9	GR	LE	Lecture
						Lab portion of PSI 912-			
						Neuropsychology II. Designed to			
						provide students with hands-on			
						experience in administration,			
						scoring, and interpretation of			
					Professio	neuropsychological tests such as			
					nal	those from the Benton			
			Neuropsycholo		Psycholog	laboratory, Halstead-Reitan			
Fall 2007	PSI912L	912L	gy II Lab	PSI	У	3 ·	GR	LB	Lab
						Continuation of PSI 813-			
						Projective Assessment I.			
						Objective and projective			
						techniques; how and when to			
						administer, score, interpret, and			
					Professio	convey results meaningfully.			Lecture/La
					nal	Emphasis on integrating these			b
E 11 0007	D01040	04.0	Projective	DOL	Psycholog	results into the clinical situation.	20		Combinatio
Fall 2007	PSI913	913	Assessment II	PSI	У		GR	LL	n
						Intensive treatment of subject			
						materials or techniques providing			
						students with increased			
					Professio	experience or specialization in			
					nal	specific interventions, assessments, concepts, or			
					Psycholog	approaches. Titles vary. Topics			
Fall 2007	PSI914	914	Elective	PSI	v		GR	LE	Lecture
1 all 2007	1 31714	714	LICCUVC	1 01	У	ı vai y.	۱۱ <i>)</i>	LL	LECTUIE

						Overview of child assessment			
					Professio	theory, techniques, and			
					nal	strategies to prepare students			
			Child		Psycholog	for further practical work in the			
Fall 2007	PSI915	915	Assessment	PSI	y	1 assessment of child functioning.	GR	LE	Lecture
					Professio	Focuses on the interface			
					nal	between psychological			
			Forensic		Psycholog	assessment and the legal arena.			
Fall 2007	PSI916	916	Assessment	PSI	у	1 Titles vary.	GR	LE	Lecture
						Intensive treatment of subject			
						materials or techniques providing			
						students with increased			
						experience or specialization in			
					Professio	specific interventions,			
					nal	assessments, concepts, or			
					Psycholog	approaches. Titles vary. Topics			
Fall 2007	PSI917	917	Elective	PSI	у	1 vary.	GR	LE	Lecture
						Provides a format for integrating			
						various psychological tests into a			
						coherent battery. In addition to			
						addressing the evaluation of			
					Professio	various psychological disorders,			
					nal	an approach is provided for			
			Integrative		Psycholog	constructing batteries for unique			
Fall 2007	PSI918	918	Assessment	PSI	у	1 populations. Titles vary.	GR	LE	Lecture
						Explores multicultural issues in			
						couples therapy and combines			
						clinical theory and skills			
					Professio	development with an			
					nal	appreciation of ethnicity, race,			
			Multicultural		Psycholog	family of origin, values, and			
Fall 2007	PS1920	920	Couples	PSI	у	1 sexual orientation as cultural	GR	LE	Lecture

						Issues central to psychological
						intervention with gay/lesbian
						clients including dealing with
						homophobia/heterophilia,
					Professio	development of a positive
			0 //		nal	gay/lesbian identity, coming-out
F - II 0007	DC1004	001	Gay/Lesbian	DCI	Psycholog	issues, and issues for
Fall 2007	PSI921	921	Issues	PSI	У	1 gay/lesbian couples and families. GR LE Lecture
						Intensive treatment of subject
						materials or techniques providing
						students with increased
						experience or specialization in
					Professio	specific interventions,
					nal	assessments, concepts, or
					Psycholog	approaches. Titles vary. Topics
Fall 2007	PS1922	922	Elective	PSI	У	1 vary. GR LE Lecture
						Intensive treatment of subject
						materials or techniques providing
						students with increased
						experience or specialization in
					Professio	specific interventions,
					nal	assessments, concepts, or
					Psycholog	approaches. Titles vary. Topics
Fall 2007	PS1923	923	Elective	PSI	у	1 vary. GR LE Lecture
						Intensive treatment of subject
						materials or techniques providing
						students with increased
						experience or specialization in
					Professio	specific interventions,
					nal	assessments, concepts, or
					Psycholog	approaches. Titles vary. Topics
Fall 2007	PS1924	924	Elective	PSI	V	1 vary. GR LE Lecture
	. 01721	/	2.000.00		Professio	in the second se
					nal	
			Career		Psycholog	
Fall 2007	PS1925	925	Assessment	PSI	V	GR LE Lecture
. un 2007	. 01720	720	, 1000001110111	. 0.	J	on Ecotore

						Freud and development of	
						psychoanalysis, neo-Freudian,	
						and ego psychology schools.	
						Structural aspects, techniques,	
					Professio	and evaluation of psychoanalysis	
			Psychodynami		nal	including stages of development,	
			c.		Psycholog	the unconscious, and	
Fall 2007	PS1930	930	Psychotherpy I	PSI	У	1 psychodynamics. Titles vary. GR LE Lectu	ure
			3 13			Second guarter of a three	
						quarter sequence designed to	
			Psychodynami		Professio	teach theory, research, and	
			C		nal	applications of psychodynamic,	
			Psychotherpy		Psycholog	object relations, and self	
Fall 2007	PSI931	931	II.	PSI	y	1 psychology. Titles vary. GR LE Lectu	ure
					,	Focuses on the efficacy of brief	
						dynamic treatments, examines	
						the research on empirically	
			Psychodynami		Professio	validated and nonvalidated	
			С		nal	dynamic treatment protocols for	
			Psychotherpy		Psycholog	DSM-IV Axis I and II disorders.	
Fall 2007	PS1932	932	III	PSI	у	1 Titles vary. GR LE Lectu	ure
						History and assumptions of	
						behavior therapy. Assessment	
						for behavioral intervention	
						techniques of behavior therapy	
						emphasizing cognitive	
					Professio	approaches. Intervention in Lectu	ure/La
			Behavioral		nal	problem areas with high b	
			Psychotherapy		Psycholog	probability outcomes. Lecture, Com	binatio
Fall 2007	PS1933	933	I	PSI	У	1 lab, field work. Titles vary. GR LL n	
					Professio		
			Bhvrl		nal		
			Psychthrpy		Psycholog	Continuation of PSI 933. Titles	
Fall 2007	PS1934	934	II:Cognitive	PSI	у	1 vary. GR LE Lectu	ure

						Defractory depressive and			
						Refractory depressive and			
						anxious mood states in clinical			
						practice and complication of			
						therapeutic effectiveness by co-			
					Professio	morbid personality disorders.			
			Bhvrl Psychthr		nal	Emphasis on conceptual and			
			III:Adv Cog		Psycholog	technical approach to treatment.			
Fall 2007	PS1935	935	Thr	PSI	y 1	Titles vary.	GR	LE	Lecture
						Theory, technique, and research			
						base of client-centered			
						psychotherapy. Theory of			
						assessment procedures and			
						techniques of transactional			
					Professio	analysis. Gestalt psychotherapy			
			Humanistic		nal	and selected existential			
			Psychotherapy		Psycholog	approaches. Lecture, lab, field			
Fall 2007	PS1936	936	1	PSI	y 3	work. Titles vary.	GR	LE	Lecture
					Professio				
			Humanistic		nal	Continuation of PSI 936. Course			
			Psychotherapy		Psycholog	is the second quarter of a three			
Fall 2007	PS1937	937	H	PSI	y 1	quarter sequence. Titles vary.	GR	LE	Lecture
						Seminar exploring in-depth			
					Professio	Humanistic theory, research, and			
			Humanistic		nal	practice skills that can be utilized			
			Psychotherapy		Psycholog	by a general practitioner of			
Fall 2007	PS1938	938	Ш	PSI	y 1	clinical psychology. Titles vary.	GR	LE	Lecture
						Incidence and prevalence of use			
						and misuse of substances, with			
						emphasis on addiction			
						syndromes and stages of			
					Professio	alcoholism/addiction. Theories of			
					nal	addiction/misuse and underlying			
			Chemical		Psycholog	personality dynamics and styles.			
Fall 2007	PS1940	940	Dependency	PSI	y 3	Lecture, lab, field work.	GR	LE	Lecture
					Professio				
			Advanced		nal	Addresses practical and clinical			
			Group		Psycholog	aspects of conducting group			
Fall 2007	PSI941	941	Therapy	PSI	y 1	therapy. Titles vary.	GR	LE	Lecture

						Study and discussion of problem- focused, time-limited
					Professio	interventions. Study of concepts
					nal	and techniques; use of
			Brief		Psycholog	programmatic and group
Fall 2007	PS1942	942	Psychotherapy	PSI	V	1 methods. Titles vary. GR LE Lecture
			, , , , ,		,	Intensive treatment of subject
						materials or techniques providing
						students with increased
					Professio	experience or specialization in
					nal	specific interventions,
					Psycholog	assessments, concepts, or
Fall 2007	PS1943	943	Selective	PSI	y	1 approaches. Topics vary. GR LE Lecture
						Behavior disorders of children
						and adolescents. Behavior
						therapy, group therapy, family
						therapy, milieu therapy, and
					Professio	pharmacotherapy as intervention
					nal	techniques. Problems associated
					Psycholog	with the treatment of children.
Fall 2007	PS1944	944	Child Therapy	PSI	у	3 Lecture, lab, field work. GR LE Lecture
					Professio	Multidisciplinary seminar
					nal	introducing students to principles
			Medical Family		Psycholog	of family-focused health care
Fall 2007	PS1945	945	Therapy	PSI	у	1 and collaborative team practices. GR LE Lecture
						Different from a beginning
						survey course, students will
						apply a more limited focus to the
						study of family psychology and
						family therapy. Students will
						select a theoretical framework or
					Professio	approach to treatment which
			Couples/Famil		nal	they intend to research and/or
			y Therapy		Psycholog	apply to case examples and
Fall 2007	PS1946	946	Methods	PSI	у	1 scholarly exposition. Titles vary. GR LE Lecture

					Professio	Explores the physiological, psychological, social, economic, and political aspects of HIV infection and AIDS with an emphasis on the unique role of psychologist as one of the many
			Aids:Clinical		nal	health care professionals with
F-II 0007	DC10.47	0.47	Issues-	DCI	Psycholog	whom PLWAs and their families
Fall 2007	PS1947	947	CInts/Fam	PSI	У	1 interact. Titles vary. GR LE Lecture
						Seminar addresses research and
						clinical issues regarding domestic
					Professio	violence. Explores impact on and intervention with victims,
					nal	perpetrators, children and
			Domestic		Psycholog	adolescents, and society. Titles
Fall 2007	PS1948	948	Violence	PSI	rsycholog	
raii 2007	P31940	940	Violence	P31	У	1 vary. GR LE Lecture Assists students in expanding
						their knowledge base of human
						sexuality, developing awareness
					Professio	of personal sexual values, and
			Introduction		nal	increasing competence in
			to Sex		Psycholog	intervening with clients' sexual
Fall 2007	PS1949	949	Therapy	PSI	V	1 concerns. GR LE Lecture
2007		7.7				Interaction of genetic and
						environmental influences on
						behavior; inheritance of
						dominant, recessive, sex-linked
						characteristics; genetic influence
					Professio	in psychopathology, intellectual
					nal	function, and personality
			Psychopharma	a	Psycholog	development; and genetic
Fall 2007	PS1950	950	cology	PSI	у	3 counseling. GR LE Lecture
						Designed to impact the student's
					Professio	knowledge, skills, and attitudes
			Serving-		nal	about working with individuals
			Chronic		Psycholog	and families affected by chronic
Fall 2007	PS1951	951	Mentally III	PSI	у	1 mental illness. Titles vary. GR LE Lecture

							ation and structure of the and common problem			
							Review of theories of			
					Professio		herapy and treatment			Lecture/La
					nal		es of marital and sexual			b
			Family		Psycholog	_	tions. Lecture, lab, field			Combinatio
Fall 2007	PS1952	952	Therapy	PSI	V	3 work.		GR	LL	n
			1,3		,	Techniq	ues of therapy applied to			
						populat	ions whose problems			
						arise fro	om faulty lifestyles and			
						not fron	n serious			
					Professio	psychop	oathology. Topics include			
					nal	stress n	nanagement, weight			
			Health		Psycholog	control,	and health maintenance.			
Fall 2007	PS1953	953	Psychology	PSI	у	3 Lecture	, lab, field work.	GR	LE	Lecture
						Beginniı	ng-level course addresses			
					Professio	the natu	ure and theory of			
					nal	hypnosi	s as well as the			
			Intro to CI		Psycholog	integrat	ion of this therapeutic			
Fall 2007	PS1954	954	Hypnosis	PSI	у	1 techniqu	ue into clinical practice.	GR	LE	Lecture
						Psychol	ogical and social			
						derivation	on of stereotypes and			
						prejudio	ce and their maintenance.			
						Techniq	ues for assessing and			
							ng stereotypes and			
						prejudio	ce including self-			
					Professio		ess, group, educational,			
					nal	and env	vironmental approaches.			
			Geriatric		Psycholog		, lab, field work. Titles			
Fall 2007	PS1955	955	Clinical Psy	PSI	У	3 vary.		GR	LE	Lecture
						Intensiv	e treatment of subject			
							ls or techniques providing			
							s with increased			
					Professio		nce or specialization in			
					nal	•	interventions,			
					Psycholog		nents, concepts, or			
Fall 2007	PS1956	956	Elective	PSI	у	1 approac	ches. Titles vary.	GR	LE	Lecture

		1			1 1			I	I	
							Seminar addresses issues			
							including, but not limited to,			
							female development; the			
							interaction of gender, race,			
					Professio		ethnicity, and SES; body image;			
					nal		impact of female gender role on			
			Psychology of		Psycholog		mental health. Feminist therapy			
Fall 2007	PS1957	957	Women	PSI	у	1	is also covered. Titles vary.	GR	LE	Lecture
							Intensive treatment of subject			
							materials or techniques providing			
							students with increased			
							experience or specialization in			
					Professio		specific interventions,			
					nal		assessments, concepts, or			
			Feminist		Psycholog		approaches. Titles vary. Topics			
Fall 2007	PS1958	958	Therapy	PSI	у	1	vary.	GR	LE	Lecture
							Practicum in developing,			
							monitoring, and reviewing			
							individualized service-by-			
							objective plans and			
					Professio		programmatic service plans. Peer			
					nal		review, criteria development,			
			Integrat		Psycholog		and other quality assurance			
Fall 2007	PS1959	959	Psychotherapy	PSI	у	3	methods are applied. Lecture,	GR	LE	Lecture
							Focuses on issues related to			
							personal and professional			
							practice management; i.e., time			
							and resource management,			
							quality assurance, fundamentals			
							of service delivery systems, and			
					Professio		case management activities.			
					nal		Development of general			
			Supv & Case		Psycholog		knowledge and skill acquisition in			
Fall 2007	PS1965	965	Management	PSI	y	1	practice management.	GR	LE	Lecture

Fall 2007	PS1966	966	Professional Ethics/Issues	PSI	Professio nal Psycholog	Provide a working knowledge of APA ethical principles and code of conduct, and Ohio law and rules governing psychologists. Increase sensitivity to potential ethical dilemmas and develop skills in identifying and resolving ethical dilemmas in professional psychology.	GR	LE	Lecture
			Multiprofessio		Professio nal Psycholog	Study and discussion between faculty and students from medicine, professional psychology, and theology concerning ethical issues and implication for client/patient care across professional disciplines. Titles vary. May be taken for a letter grade or			
Fall 2007	PS1967	967	Multiprofessio	PSI	Professio nal Psycholog	1 pass/unsatisfactory. Brings together faculty and students from allied health, medicine, nursing, professional psychology and social work to study access to and utilization of primary care and prevention services in urban communities. Titles vary. May be taken for a letter grade or		LE	Lecture
Fall 2007	PS1968	968	nal Issues	PSI	у	1 pass/unsatisfactory.	GR	LE	Lecture

Fall 2007	PS1969	969	Practice Management	PSI	Professio nal Psycholog	This course provides information on how to develop and maintain a private practice in clinical psychology. Included are topics such as developing a business plan, creating and understanding budgets, marketing a practice, dealing with third party payers, managing employees, and working with advisors and 1 consultants.	GR	LE	Lecture
raii 2007	151404	969	Management	PSI	Professio nal Psycholog	Intensive treatment of subject materials or techniques providing students with increased experience or specialization in specific interventions, assessments, concepts, or approaches. Titles vary. Topics		LE	Lecture
Fall 2007	PS1970	970	Elective	PSI	y Professio nal Psycholog	1 vary. Emphasis on knowledge of measurement theory, test construction, survey methods, and questionnaire techniques. Study of reliability and validity of measurement devices. Familiarity with APA standards for tests and	GR	LE	Lecture
Fall 2007	PS1972 PS1973	972	Evaluation Teaching of Psychology	PSI PSI	Professio nal Psycholog	 test usage. Seminar provides participants with a forum for exploring issues associated with teaching psychology in higher education settings. Titles vary. 	GR GR	LE SE	Lecture Seminar

						Methods for locating funding			
						sources as well as researching			
						and writing grant applications.			
						Seminar includes formats			
					Professio	employed by state and federal			
					nal	funding agencies. Titles vary.			
					Psycholog	May be taken for a letter grade			
Fall 2007	PS1974	974	Grant Writing	PSI	У	1 or pass/unsatisfactory.	GR	SE	Seminar
						Continuation of PSI 875. Focuses			
						on civil court proceedings such			
						as civil commitment, family law,			
						and professional practice issues.			
						Forensic Psychology I is not a			
						prerequisite, but those who have			
						not had the course must meet			
					Professio	with the instructor prior to			
			Forensic		nal	enrolling. Titles vary. May be			
			Psychology:Civ		Psycholog	taken for a letter grade or			
Fall 2007	PS1975	975	il	PSI	у	1 pass/unsatisfactory.	GR	LE	Lecture
						Intensive treatment of subject			
						materials or techniques providing			
						students with increased			
						experience or specialization in			
						specific interventions,			
					Professio	assessments, concepts, or			
					nal	approaches. Topics vary. May be			
					Psycholog	taken for a letter grade or			
Fall 2007	PS1976	976	Elective	PSI	у	1 pass/unsatisfactory.	GR	LE	Lecture
						Issues relevant to students'			
						development as professional			
						psychologists including			
						professional involvement, legal			
					Professio	and legislative issues,			
					nal	professional ethics and			
					Psycholog	standards, and relation with			
Fall 2007	PS1980	980	Elective	PSI	у	1 other professional groups.	GR	LE	Lecture

						Provides for an in-depth	
						exposure of students to a variety	
						of clinical case materials under	
						the direct supervision of	
					Professio	experienced clinical faculty, using	
					nal	a vertical team format comprised	
					Psycholog	of students at various levels of	
Fall 2007	PS1981	981	Elective	PSI	y	1 training and experience. Titles GR LE	Lecture
						Intensive treatment of subject	
						materials or techniques providing	
						students with increased	
					Professio	experience or specialization in	
					nal	specific interventions,	
					Psycholog	assessments, concepts, or	
Fall 2007	PS1982	982	Selective	PSI	y	1 approaches. Topics vary. GR LE	Lecture
						Students are given hands-on	
						experience in assisting faculty in	
						teaching a course or seminar.	
						Issues dealt with are those	
						common to most teaching	
					Professio	settings: development of a	
			Applied		nal	syllabus, choice of teaching	
			Teaching		Psycholog	methods, grading/evaluation and	
Fall 2007	PS1994	994	Practice	PSI	у	0 obtaining feedback from GR LE	Lecture
					Professio		
					nal	Individualized course of readings	
					Psycholog	completed under faculty	Independe
Fall 2007	PS1995	995	Directed Study	PSI	у	1 supervision. GR IS	nt Study
					Professio		
					nal	Research or evaluation	
					Psycholog	performed under faculty	
Fall 2007	PS1996	996	Elective	PSI	у	1 supervision. Titles vary. GR LE	Lecture
					Professio	Faculty supervised clerkship,	
					nal	field placement, or other isolated	
			Supervised		Psycholog	circumscribed professional	Independe
Fall 2007	PS1997	997	Experience	PSI	у	1 experience. GR IS	nt Study

			Professional		Professio nal Psycholog		Project of excellence or other professional project carried out with faculty approval and			Independe
Fall 2007	PS1998	998	Dissertation	PSI	V	1	supervision.	GR	IS	nt Study
					Professio					
					nal					
					Psycholog					
Fall 2007	PS1999	999	Internship	PSI	у	6		GR	IN	Internship
							Course examines the science and			
							principles of psychology. Topics			
							include historical foundations			
							and research methods, brain and			Lecture/La
							behavior, learning, development,			b
			Pschol:		Psycholog		personality, memory, language,			Combinatio
Fall 2007	PSY105	105	Science Behav	PSY	У	4	and the thinking process.	UG	LL	n
			Psychol:							
			Science Behav		Psycholog					
Fall 2007	PSY105L	105L	Lab	PSY	У	0	Required laboratory for PSY 105.		LB	Lab
							Course examines the science and			
							principles of psychology. Topics			
							include social behavior, abnormal			
							behavior, psychotherapies, stress			
							and coping, motivation, intelligence, emotion, states of			
			Psy: Science &		Psycholog		conciousness, and sensory and			
Fall 2007	PSY110	110	Practice &	PSY	v	1	perceptual process.	UG	LE	Lecture
1 411 2007	131110	110	Writing in PSY	131	Psycholog		Required writing component for	00	LL	Lecture
Fall 2007	PSY110W	110W	110	PSY	V	Ω	PSY 110.	UG	LB	Lab
2007			1		J		Selected psychological issues			
			Psy Study				and their implications for			
			Contemp		Psycholog		contemporary society and			
Fall 2007	PSY200	200	Issues	PSY	y	2	intellectual thought. Topics vary.	UG	LE	Lecture
			Writing in PSY		Psycholog		<u> </u>			
Fall 2007	PSY200W	200W	200	PSY	y	0		UG	LB	Lab

				I		Ecc. 1 1 1 c			
						Effects on behavior of			
						environmental factors such as			
						crowding, noise, pollution,			
						temperature, lighting, and			
						architecture. Applications of			
						psychological knowledge and			
						techniques in dealing with			
			Environmental		Psycholog	current environmental problems			
Fall 2007	PSY208	208	Psychology	PSY	у	4 are also considered.	UG	LE	Lecture
						Examines the current state of			
						research evidence about sex			
						differences in all aspects of			
						human behavior, as well as			
						patterns of public attitudes about			
			Psychology of		Psycholog	the natures and proper roles of			
Fall 2007	PSY210	210	Women & Men	PSY	V	4 men and women.	UG	LE	Lecture
1 411 2007	101210	210	Women a men	1 3 1	9	Survey of the diversity of human	00	LL	Locidio
						sexual behavior focusing on the			
						theory, current research, and			
						psycho-social perspective on			
						issues such as biology, coercion,			
						counseling, enhancement,			
			I luma om		Dovobolog	<u> </u>			
F - II 0007	DC)/011	011	Human	DCV	Psycholog	gender, infection, relationships,			1 1
Fall 2007	PSY211	211	Sexuality	PSY	У	4 or sexual orientation.	UG	LE	Lecture
						This course is designed to teach			
						principles of psychology and			
						their application through			
						commercial films. Films will be			
						selected to illustrate			
						psychological themes. Students			
						write short answers about how			
						the film illustrates the themes.			
						The instructor will raise the			
						questions before the film so			
						students can watch for specific			
						themes. After the film, students			
			Psy Prin in		Psycholog	will discuss the questions in			
Fall 2007	PSY215	215	Comm Films	PSY	у	4 class, in a web chat room, and	UG	LE	Lecture

Fall 2007	PSY251	251	Stereotyping & Prejudice	PSY	Psycholog v	This course provides instruction into current topics related to stereotyping and prejudice. Course material stems from prominent researchers in the field of prejudice, while lectures are organized around discussions, videos, 4 demonstrations, and	UG	LE	Lecture
Fall 2007	PSY291	291	Drugs and Behavior	PSY	Psycholog	Introduces the major classes of psychoactive drugs, their behavioral effects, and mechanisms of action. The societal impact of some popular drugs is examined in terms of their effects on the brain, body 4 and behavior.	UG	LE	Lecture
			Hormones and		Psycholog	An overview of hormone- behavior relationship in humans and animals. Topics include sexual differences, puberty, reproductive behavior, parental behavior, aggression, eating			
Fall 2007	PSY292	292	Behavior Mind, Body &	PSY	y Psycholog	4 behavior, and cognition. An exploration of modern ideas about conciousness, how it is related to the mind and body, its usefulness, and its relationship	UG	LE	Lecture
Fall 2007	PSY294	294	Consciousness Basic Research	PSY	y Develope	Introduction to basics of research methods, descriptive data analysis, and writing research reports in APA format. Students use methods from representative areas in	UG	LE	Lecture
Fall 2007	PSY301	301	Methods	PSY	Psycholog y	psychology to collect data and 4 summarize them using APA style.	UG	LE	Lecture

			Basic							
			Research		Psycholog					
Fall 2007	PSY301L	301L	Methods Lab	PSY	у		Required laboratory for PSY 301.	UG	LB	Lab
							Students will be introduced to			
							experimental control,			
							experimental designs, concepts			
							in probability and inferential			
							statistics. Students will conduct			
							experiments in the laboratory			
							sessions, learn to interpret data			
			Experimental		Psycholog		objectively, and write scientific			
Fall 2007	PSY302	302	Methods	PSY	У	4	reports. Writing Intensive.	UG	LE	Lecture
- II 0007	D01/0001		Experimental	50) (Psycholog		D			
Fall 2007	PSY302L	302L	Methods Lab	PSY	У		Required laboratory for PSY 302.	UG	LB	Lab
F 11 0007	DC) (0.00) A (000147	Writing in PSY	DOV/	Psycholog		Required writing component for		. 5	
Fall 2007	PSY302W	302W	302	PSY	У	Ü	PSY 302.	UG	LB	Lab
							Introduction to alternative			
							research methods including			
							correlational and mixed designs. Students use methods from			
							representative areas in			
							psychology to design a study,			
							collect and analyze data, and			
			Alternative		Psycholog		present findings in APA style.			
Fall 2007	PSY303	303	Res Methods	PSY	, ,		Writing Intensive.	UG	LE	Lecture
1 all 2007	F 3 1 3 0 3	303	Alternative	гэт	У	4	writing intensive.	UG	LL	Lecture
			Res Methods		Psycholog					
Fall 2007	PSY303L	303L	Lab	PSY	v	0	Required laboratory for PSY 303.	LIG	LB	Lab
1 411 2007	1 31303E	303L	Writing in PSY	131	Psycholog		Required writing component for	00	LD	Lub
Fall 2007	PSY303W	303W	303	PSY	V		PSY 303.	UG	LB	Lab
							Scientific psychological			
							principles, procedures, and			
			Industrial &		Psycholog		methods applied to human			
Fall 2007	PSY304	304	Organ Psy	PSY	y		behavior in organizations.	UG	LE	Lecture
			<u> </u>				(Also listed as HFE 306.)			
							Introduction to the study of			
			Engineering		Psycholog		human factors in the design and			
Fall 2007	PSY306	306	Psy	PSY	y	4	operation of machine systems.	UG	LE	Lecture

							Introduction to the use,			
							application, evaluation, and			
							development of psychological			
							tests and measures such as			
							ability, aptitude, attitude,			
			Tests and		Psycholog		standardized, or normed			
Fall 2007	PSY307	307	Measures	PSY	V	4	measures.	UG	LE	Lecture
							Survey of the contributions of			
							the psychology of health care.			
							The focus is both theoretical and			
							practical, emphasizing the			
			Psy of Health		Psycholog		integration of physiological and			
Fall 2007	PSY309	309	Behavior	PSY	V	4	psychological knowledge.	UG	LE	Lecture
					,		Overview of facts and theories			
							pertaining to abnormal behavior.			
							Topics include classification and			
			Abnormal		Psycholog		diagnosis, and causes and			
Fall 2007	PSY311	311	Psychology	PSY	y	4	treatment of abnormal behavior.	UG	LE	Lecture
			.,		,		Theories, methodologies, and			
							applications in the areas of			
							attention, perception, visual			
							imagery, memory, expert			
							performance, decision making,			
							and problem solving will be			
							examined. The emphasis is on			
			Cognition &		Psycholog		how the brain performs cognitive			
Fall 2007	PSY321	321	Learning	PSY	y	4	functions.	UG	LE	Lecture
							Laboratory research in various			
			Cognition &		Psycholog		areas of cognitive psychology.			
Fall 2007	PSY323	323	Learning Meth	PSY	y	4	Two hours lecture, four hours	UG	LE	Lecture
			Cognition &							
			Learning Meth		Psycholog					
Fall 2007	PSY323L	323L	Lab	PSY	у	0	Required laboratory for PSY 323.	UG	LB	Lab
							Survey of contemporary			
							perspectives in personality			
							psychology. Research methods,			
			Psychology of		Psycholog		assessment strategies, and			
Fall 2007	PSY331	331	Personality	PSY	y	4	applications are compared.	UG	LE	Lecture

							Survey of research methods appropriate to personality assessment and analysis.			
							Laboratory experience in the			
							development, implementation,			
							and analysis of a research			
			Personality		Psycholog		project focused on an issue in			
Fall 2007	PSY333	333	Research Meth	PSY	У	4	personality psychology.	UG	LE	Lecture
- II 0007	DO:/0001	0001	PersonIty Res	D0) /	Psycholog		D			
Fall 2007	PSY333L	333L	Meth Lab	PSY	У	0	Required laboratory for PSY 333.	UG	LB	Lab
							Survey of theory, research, and			
			Lifespan				methodological issues in the			
- II 0007	DOV 40 44	0.14	Development	D0) /	Psycholog		study of development across the			
Fall 2007	PSY341	341	Psy	PSY	У	4	life-span.	UG	LE	Lecture
							Survey of research design			
							appropriate to developmental			
							analysis, innovations in			
							developmental methodology, and			
							laboratory experience in the			
							selection, design, and analysis of			
							developmental problems of			
			Danielania		Danielania		specific interest to individual			
F - II 0007	DC)/0.40	2.42	Developmenta		Psycholog		students. Two hours lecture, four			1 1
Fall 2007	PSY343	343	Psy Methods	PSY	У	4	hours lab.	UG	LE	Lecture
			Devel		Davidadas					
Fall 2007	DCV242I	2.421	Psychology	DCV	Psycholog	0	Deguired leheratory for DCV 242	шс	l D	Lab
Fall 2007	PSY343L	343L	Meth Lab	PSY	У	U	Required laboratory for PSY 343.	UG	LB	Lab
							Survey of current theories and			
			Coolel		Dovobolog		experimental findings regarding			
Fall 2007	DCV2E1	251	Social	DCV	Psycholog	4	the determinants of social	UG	LE	Looturo
Fall 2007	PSY351	351	Psychology	PSY	У	4	behavior.	UG	LE	Lecture
			Social				Laboratory course in methods and problems involved in social			
					Devebolog		•			
Fall 2007	PSY353	252	Psychology Methods	PSY	Psycholog	1	psychology research. Two hours lecture, four hours lab.	LIC	LE	Loctura
raii 2007	P31333	353	Soc	151	У	4	recture, rour riours lab.	UG	LE	Lecture
			Psychology		Psycholog					
Fall 2007	PSY353L	353L	Meth Lab	PSY	v	Λ	Required laboratory for PSY 353.	LIG	LB	Lab
1 all 2007	1 2 1 3 3 3 L	JJJL	INICIT LAD	101	У	U	required laboratory for F31 333.	UU	LD	Lab

			Writing in PSY		Psycholog		Required writing component for			
Fall 2007	PSY353W	353W	353	PSY	y	0	PSY 353.	UG	LB	Lab
							Introduction to experimental			
							findings and contemporary			
			Conditioning		Psycholog		theories of conditioning,			
Fall 2007	PSY361	361	and Learning	PSY	у	4	learning, and motivation.	UG	LE	Lecture
							Problems and methods of			
							research in conditioning,			
			Cond & Learn		Psycholog		learning, and motivation. Two			
Fall 2007	PSY363	363	Methods	PSY	у	4	hours lecture, four hours lab.	UG	LE	Lecture
			Cond &							
			Learning		Psycholog					
Fall 2007	PSY363L	363L	Methods	PSY	у	0	Required laboratory for PSY 363.	UG	LB	Lab
							Study of the active processes by			
							which organisms gather,			
					Psycholog		interpret, and respond to			
Fall 2007	PSY371	371	Perception	PSY	У	4	environmental stimuli.	UG	LE	Lecture
							Laboratory experience and			
					5		research techniques in various			
F 11 0007	D0\/070	070	Perception	DOM	Psycholog		areas of perception. Two hours			
Fall 2007	PSY373	373	Methods	PSY	y Dayyah alam	4	lecture, four hours lab.	UG	LE	Lecture
Fall 2007	DCV272I	2721	Perception	DCV	Psycholog	0	Deguired leheratory for DCV 272	LIC	l D	Lab
Fall 2007	PSY373L	373L	Methods Lab	PSY	У	U	Required laboratory for PSY 373. An introduction to the	UG	LB	Lab
							physiological mechanisms of behavior including relationships			
							between the brain, hormones,			
							and behavior. Specific topics may			
							include reproduction, emotion,			
			Behavioral		Psycholog		sleep, learning and memory,			
Fall 2007	PSY391	391	Neuroscience	PSY	у		schizophrenia, and stress.	UG	LE	Lecture
1 411 2007	101071	071	11001000101100		3		Advanced materials on the			2001410
							physiology of behavior. Sensory,			
							motor, ingestive and cognitive			
							systems and addictive processes			
			Behavioral				are evaluated in terms of			
			Neuroscience		Psycholog		underlying neural and hormonal			
Fall 2007	PSY392	392	П	PSY	у	4	systems.	UG	LE	Lecture

							Overview of methods used in			
							behavioral neuroscience.			
							Includes neuroanatomical			
			Behav				dissections, student			
			Neuroscience		Psycholog		presentations, animal testing,			
Fall 2007	PSY393	393	Methods	PSY	y	4	and manuscript preparation.	UG	LE	Lecture
			Behavioral		Psycholog					
Fall 2007	PSY393L	393L	Neurosci Lab	PSY	у	0	Required laboratory for PSY 393.	UG	LB	Lab
							Focus on the use of canned			
							computer programs such as			Lecture/La
			Adv Exp				SPSS, SAS, and BIOMED in the			b
			Desgn: Pkgd		Psycholog		design, analysis, and			Combinatio
Fall 2007	PSY401	401	Comp	PSY	у	4	interpretation of behaviorally	UG	LL	n
							Introduction to Advanced			
							Methods in select areas of			
			Adv Research		Psycholog		psychology. Topic will vary by			
Fall 2007	PSY402	402	Methods	PSY	у	4	title.	UG	LE	Lecture
							Theories and research relating to			
			Adv Topics		Psycholog		causes, symptoms, and			
Fall 2007	PSY411	411	Abnormal Psy	PSY	у	4	influences of abnormal behavior.	UG	LE	Lecture
			Writing in PSY		Psycholog					
Fall 2007	PSY411W	411W	411	PSY	у	0		UG	LB	Lab
			Adv Topic				Detailed examination of selected			
			Behave		Psycholog		areas in physiological			
Fall 2007	PSY419	419	Neurosci	PSY	у	4	psychology.	UG	LE	Lecture
			Adv Top in							
			Cognition &		Psycholog		Detailed examination of selected			
Fall 2007	PSY421	421	Lrng	PSY	у	4	areas in cognition and learning.	UG	LE	Lecture
							Relationship of human cognitive,			
							perceptual, and language			
			Human-				processes to the effective			
			Computer		Psycholog		operation of computer systems.			
Fall 2007	PSY425	425	Interface	PSY	у	4	Review of research and theory.	UG	LE	Lecture
							Examination of selected topics in			
			Adv Topics in		Psycholog		personality, including theory,			
Fall 2007	PSY431	431	Personal	PSY	у	4	research, and application.	UG	LE	Lecture

			Practicum:		Psycholog		Work under supervision in an applied psychological setting consistent with students individual interests (e.g., mental health agency, industrial, or organizational setting). Graded			Independe
Fall 2007	PSY432	432	Applied Psy	PSY	y		pass/unsatisfactory.	UG	IS	nt Study
I dii 2007	1 31432	432	Devel Psychpatholog		Psycholog		Survey of theoretical approaches to the description and explanation of childhood psychopathology, overview of current research in the area of childhood psychopathology, and description of methodological problems involved in clinical		13	in Study
Fall 2007	PSY433	433	V	PSY	V		research with children.	UG	LE	Lecture
Fall 2007	DCV42C	420	Work Stress and Well-	DCV	Psycholog		The concept of work and stress and its implications for well-being are discussed. Predictors in the organization of work and individual differences are identified, and interventions for managing work stress are		C.F.	Combiner
Fall 2007	PSY438	438	Being	PSY	У		explored.	UG	SE	Seminar
Fall 2007	PSY439	439	Theory & Res Clinical Psy	PSY	Psycholog y		Overview of contemporary clinical approaches, research techniques, and empirical data.	UG	LE	Lecture
Fall 2007	PSY441	441	Adv Topics in Development Psy	PSY	Psycholog V	!	Review of current theory, research, and applied issues in selected aspects of development across the lifespan.	UG	LE	Lecture
					Psycholog	,	Measurement theory and its application to test development including concepts of reliability, validity, discrimination, and			
Fall 2007	PSY443	443	Psychometrics	PSY	У	4	prediction.	UG	LE	Lecture

			Adv Topics in		Psycholog		heories and research findings in elected topics in industrial			
Fall 2007	PSY444	444	I/O Psy	PSY	у		sychology.	UG	LE	Lecture
Fall 2007	PSY447	447	Psychology of Aging	PSY	Psycholog v	m hi ci	overview of the theories, nethods, and research related to uman aging. Focus on both urrent research and applications om psychology.	UG	LE	Lecture
			3 3				etailed examination of selected			
Fall 2007	PSY451	451	Adv Topics in Social Psy	PSY	Psycholog y	4 so	reas of current research in ocial psychology.	UG	LE	Lecture
			Cross-Cultural		Psycholog	e: po co dy in vi	ross-Cultural Psychology explores national differences in erception, cognition, and self-oncept as well as in personality ynamics and interpersonal iteractions. This more universal iew of human thought and ehavior addresses the			
Fall 2007	PSY452	452	Psy	PSY	у	4 cl	hallenges of globalization.	UG	LE	Lecture
			Applied Sport		Psycholog	as po as	he course examines the social spects, psychological erformance enhancement spects, and health aspects of			
Fall 2007	PSY454	454	Psychology	PSY	У		ports-related phenomena.	UG	LE	Lecture
Fall 2007	DCVAFF	455	Psycholinguisti		Psycholog	de ye its	n overview of Language: its evelopment during the first ears of life, its biological basis, s normal and abnormal	IIIC	ıe	Lockura
Fall 2007	PSY455	455	CS Adv. Topics in	PSY	У	4 Cr	haracteristics.	UG	LE	Lecture
Fall 2007	PSY461	461	Adv Topics in Condition & Lrng	PSY	Psycholog y	4		UG	LE	Lecture
Fall 2007	PSY465	465	Information Processing	PSY	Psycholog	sł pa pi	tudy of information processing kills such as selective attention, attern recognition, reading, roblem solving, and human erformance.	UG	LE	Lecture
1 all 2007	1 31403	400	rrocessing	וכו	У	4 P	CHOITIANCE.	J	LL	Lecture

			Adv Topics in		Psycholog		Emphasis on modern			
Fall 2007	PSY471	471	Perception	PSY	у	4	controversial issues and theories.	UG	LE	Lecture
							Presents signal detection theory			
							in the context of Thurstonian			
							scaling and statistical decision			
							theory. Studies the application of			
							signal detection theory in various			
			Signal				areas of psychology including			
			Detection		Psycholog		psychophysics, memory,			
Fall 2007	PSY475	475	Theory	PSY	у	4	physiology, and	UG	LE	Lecture
							Physiology, phylogeny, and			
			Animal		Psycholog		ontogeny of behavior. This is			
Fall 2007	PSY478	478	Behavior	PSY	у	4	writing intensive.	UG	LE	Lecture
			Writing in PSY		Psycholog		Required writing component for			
Fall 2007	PSY478W	478W	478	PSY	У	0	PSY 478.	UG	LB	Lab
							Major trends in the development			
			History of		Psycholog		of psychology from its			
Fall 2007	PSY481	481	Psychology	PSY	у	4	beginnings to the modern period.	UG	LE	Lecture
			Writing in PSY		Psycholog		Required writing component for			
Fall 2007	PSY481W	481W	481	PSY	У	0	PSY 481.	UG	LB	Lab
							Writing and oral communication			
							intensive seminar integrating			
			Capstone		Psycholog		knowledge on select topics.			
Fall 2007	PSY487	487	Seminar	PSY	у	4	Topic will vary by title.	UG	SE	Seminar
F 11 0007	DC)/40714/	40714/	Writing in PSY	DOM	Psycholog	•	Required writing component for			
Fall 2007	PSY487W	487W	487	PSY	У	0	PSY 487.	UG	LB	Lab
F - II 0007	DCV400	400	Sem in Special		Psycholog	4	Tankasasas		C.E.	C
Fall 2007	PSY488	488	Topics	PSY	y Daniela dan	<u> </u>	Topics vary.	UG	SE	Seminar
Fall 2007	DCVAOOM	400\4/	Writing in PSY	PSY	Psycholog	0	Required writing component for PSY 488.	UG	LB	l ob
Fall 2007	PSY488W	488VV	488	PSY	У	U		UG	LB	Lab
							Primarily derived from current honors thesis research.			
							Literature surveys, experimental designs, and special analytical			
			Honors		Psycholog		problems presented and			
Fall 2007	PSY489	489	Seminar	PSY	v	ว	discussed by students and	UG	SE	Seminar
1 all 2007	F 31407	407	Writing in PSY	131	Psycholog		discussed by students and	JG	JE.	Scillia
Fall 2007	PSY489W	489\\/	489	PSY	V	0		UG	LB	Lab
1 ull 2007	1 3170/11	70700	TO /	1 0 1	y	U		00	LD	Lab

			Ind Dooding		Dovobolog	Specific topics selected by students and instructor. Graded			Indopondo
Fall 2007	DCV400	490	Ind Reading	PSY	Psycholog		UG	IS	Independe
Fall 2007	PSY490	490	Select Topics	P31	У	1 pass/unsatisfactory.	UG	13	nt Study
			Indopondent		Psycholog	Original problems for investigation. Graded			Indopondo
Fall 2007	PSY498	400	Independent	PSY	, ,	<u> </u>	UG	ıc	Independe
Fall 2007	P51498	498	Research	P51	У	1 pass/unsatisfactory.	UG	IS	nt Study
			Honors		Dovobolog	Original problems for			Indonondo
F-II 2007	DCV/400	400	Research	DCV	Psycholog	investigation leading to a		10	Independe
Fall 2007	PSY499	499	Project	PSY	У	1 psychology department honors	UG	IS	nt Study
						Scientific psychological			
						principles, procedures, and			
			Industrial and		Psycholog	methods applied to human			
Fall 2007	PSY504	504	Org Psych	PSY	У	4 behavior in organizations.	GR	LE	Lecture
						(Also listed as HFE 506.)			
						Introduction to the study of			
			Engineering		Psycholog	human factors in the design and			
Fall 2007	PSY506	506	Psychology	PSY	у	4 operation of machine systems.	GR	LE	Lecture
						Introduction to the construction			
						and use of attitude scales,			
						aptitude and ability tests in			
						organizational settings with			
			Tests and		Psycholog	emphasis on the use of standard			
Fall 2007	PSY507	507	Measurements	PSY	у	4 tests.	GR	LE	Lecture
						The contributions of psychology			
						of health care. Focus is			
						thoeretical and practical,			
			Psychology of		Psycholog	emphasizing the integration of			
Fall 2007	PSY509	509	Health Beh	PSY	y	4 physiological and psychological	GR	LE	Lecture
						An overview of the facts and			
						theories pertaining to abnormal			
						behavior. Topics include			
						classification and diagnosis,			
						causes, and treatment of			
			Abnormal		Psycholog	abnormal behavior. For			
Fall 2007	PSY511	511	Psychology	PSY	y	4 nonmajors only.	GR	LE	Lecture

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	gs regarding f social	retrieval ptual stests (IQ), res, and GR LE conality rch methods, gies, and mpared. GR LE cosearch, and research, and research grant across the retrieval grant gr

						Advanced materials on the			
						physiology of behavior. Sensory,			
						motor, ingestive, and cognitive			
						systems, and addictive processes			
						are evaluated in terms of			
			Behavioral		Psycholog	underlying neural and hormonal			
Fall 2007	PSY592	592	Neurosci II	PSY	V	4 systems.	GR	LE	Lecture
						The use of canned computer			
						programs such as SPSS, SAS,			
			Adv Exp			and BIOMED in the design,			
			Design:		Psycholog	analysis, and interpretation of			
Fall 2007	PSY601	601	Computer	PSY	y	4 behaviorally oriented research.	GR	LE	Lecture
						Use of factorial designs and			
			Adv Design &		Psycholog	multivariate tests in			
Fall 2007	PSY602	602	Quant Analys	PSY	у	4 psychological research.	GR	LE	Lecture
						Theories and research relating to			
			Adv Topics in		Psycholog	causes, symptoms, and influence			
Fall 2007	PSY611	611	Abnormal Psy	PSY	у	4 of abnormal behavior.	GR	LE	Lecture
			Adv Tpcs			(Also listed as BMS 910.)			
			Physiological		Psycholog	Detailed examination of selected			
Fall 2007	PSY619	619	Psy	PSY	у	4 areas in cognition and learning.	GR	LE	Lecture
			Adv Tpcs in		Psycholog	Detailed examination of selected			
Fall 2007	PSY621	621	Cognition & L	PSY	у	4 areas in cognition and learning.	GR	LE	Lecture
						Examination of critical factors			
						(nature of tasks to be			
			Human-			performed, human			
			Computer		Psycholog	capabilities/limitations) in the			
Fall 2007	PSY625	625	Interface	PSY	у	4 design of effective computer	GR	LE	Lecture
						Examination of selected topics in			
			Adv Topics in		Psycholog	personality, including theory,			
Fall 2007	PSY631	631	Per	PSY	у	4 research, and application.	GR	LE	Lecture
						Provides an opportunity to work			
						in an applied psychological			
						setting under supervision. The			
						setting will be consistent with			
						the individual student's interests			
			Practicum:App		Psycholog	(mental health agency, industrial			
Fall 2007	PSY632	632	lied Psy	PSY	у	4 or organizational setting, etc.).	GR	LE	Lecture

						Survey of theoretical approaches			
						to the description and			
						explanation of childhood			
						psychopathology, overview of			
						current research in childhood			
			Develop			psychopathology, and			
			Psychpatholog		Psycholog	description of methodological			
Fall 2007	PSY633	633	y	PSY	у	4 problems involved in clinical	GR	LE	Lecture
						Overview of contemporary			
			Theory & Res		Psycholog	clinical approaches, research			
Fall 2007	PSY639	639	Clinical Psy	PSY	у	4 techniques, and empirical data.	GR	LE	Lecture
						Review of current theory,			
			Advanced			research, and applied issues in			
			Topics in Dev		Psycholog	selected aspects of development			
Fall 2007	PSY641	641	Psy	PSY	у	4 across the lifespan.	GR	LE	Lecture
						Measurement theory and its			
						application to test development			
						including concepts of reliability,			
					Psycholog	validity, discriminatin, and			
Fall 2007	PSY643	643	Psychometrics	PSY	У	4 prediction.	GR	LE	Lecture
			Advanced			Theories and research findings in			
			Topics in I/O		Psycholog	selected topics in industrial			
Fall 2007	PSY644	644	Psy	PSY	У	4 psychology.	GR	LE	Lecture
						Overview of the theories,			
						methods and research related to			
						human aging. Focus on both			
			Psychology of		Psycholog	current research and application			
Fall 2007	PSY647	647	Aging	PSY	У	4 from psychology.	GR	LE	Lecture
						Detailed examination of selected			
			Adv Topics in		Psycholog	areas of current research in			
Fall 2007	PSY651	651	Soc Psy	PSY	У	4 social psychology.	GR	LE	Lecture

						Experimental findings in the			
						areas of animal communication			
						and human language with			
						emphasis on their implications			
						for current theories of language.			
						0 0			
						Includes production and			
						reception of speech, acoustic			
						signal, speech mechanism,			
			5			personality and speech behavior,			
			Psycholinguisti		Psycholog	development and deficiencies,			
Fall 2007	PSY655	655		PSY	У	4 and communication.	GR	LE	Lecture
			Adv Tpcs in		Psycholog	Continued study of conditioning,	_		
Fall 2007	PSY661	661	Cond Lrng	PSY	У	4 learning, and motivation.	GR	LE	Lecture
						Also listed as BMS 905). Study of			
						cognitive skills (e.g., attention)			
			Information		Psycholog	and the scientific paradigms			
Fall 2007	PSY665	665	3	PSY	у	4 used in their investigation.	GR	LE	Lecture
			Adv Tpcs in		Psycholog	Emphasis on modern			
Fall 2007 P	PSY671	671	Perception	PSY	у		GR	LE	Lecture
						Presents signal detection theory			
						in the context of Thurstonian			
						scaling and statistical decision			
						theory. Studies the application of			
						signal detection theory in various			
			Signal			areas of psychology including			
			Detection		Psycholog	psychophysics, memory,			
Fall 2007	PSY675	675	Theory	PSY	у	4 physiology, and	GR	LE	Lecture
			Animal		Psycholog	Physiology, phylogeny, and			
Fall 2007	PSY678	678	Behavior	PSY	у	4 ontogeny of behavior.	GR	LE	Lecture
						Major trends in the development			
			Hst of		Psycholog	of psychology from its beginning			
Fall 2007	PSY681	681	Psychology	PSY	у	4 to the present.	GR	LE	Lecture
			Sem in Special		Psycholog	·			
Fall 2007	PSY688	688	-	PSY	у	1 Topics vary.	GR	SE	Seminar
			Ind Reading		Psycholog				Independe
Fall 2007	PSY690	690	J	PSY	y	1	GR	IS	nt Study
			Independent		Psycholog	Original problems for			Independe
Fall 2007	PSY698	698	· ·	PSY	y	1 investigation.	GR	IS	nt Study

							Survey of available instructional			
							material and discussion of			
							educational theory and			
							techniques leading to more			
							effective instruction. For			
			Prin				psychology majors only.			
			Instruction in		Psycholog		Department permission required.			
Fall 2007	PSY700	700	Psy	PSY	У	4	Graded pass/unsatisfactory.	GR	LE	Lecture
							The foundation of experimental			
							design and quantitative			
							techniques will be developed.			
							Students are expected to			
							understand assumptions			
							underlying each technique or			
							procedure. They must also			
							understand their applications to			
							experimental and field research			
							and to experimental and quasi-			
							experimental designs. Both			
							complex analyses of variance,			
							multiple regression and non-			
							parametric techniques will be			
							covered. Computation and			
							computer skills must be			
							mastered. First year research			
					Psycholog		projects and their design and			
Fall 2007	PSY701	701	Dsgn & Quant	PSY	v	4	analysis will be reviewed.	GR	LE	Lecture
			Dsgn &		Psycholog					
Fall 2007	PSY702	702	<u> </u>	PSY	y	4	Continuation of PSY 701.	GR	LE	Lecture
		1.02	20.0		J	<u> </u>	Issues in multiple regression are			200100
							reviewed using statistical			
							software programs. These issues			
							include bivariate regression,			
							continuous and categorical			
			Dsgn & Quant:		Psycholog		predictors, interaction effects,			
Fall 2007	PSY703	703	Mltpl Reg	PSY	v	1	and statistical power.	GR	LE	Lecture
1 all 2007	F31/U3	103	wiithi keg	r31	У	4	anu statisticai puwei.	GK	LĽ	Lecture

							Issues in multivariate analysis			
							are reviewed using statistical			
							software programs. These issues			
							include path analysis, principle			
							components analysis,			
			Multivariate		Psycholog		confirmatory factor analysis, and			
Fall 2007	PSY707	707	Meth Psy	PSY	V	4	structural regression models.	GR	LE	Lecture
			,				Modern molecular biological			
							investigations of the process of			
							learning and memory.			
							Implications for the development			
			Molecular Biol		Psycholog		of a molecular theory of memory			
Fall 2007	PSY717	717	Memory	PSY	y	3	processes are considered.	GR	LE	Lecture
							A survey of psychological			
							principles and methods pertinent			
							to issues of human-machine			
							interactions. It is emphasized			
							that basic and applied research			
			Engineering		Psycholog		inform each other and are both			
Fall 2007	PSY721	721	Psychology	PSY	у	4	necessary for advancing the	GR	LE	Lecture
							The role of human factors in			
							system design is examined from			
							a cognitive systems engineering			
							perspective. The analytic tools			
			Human		Psycholog		of CSE are explored and applied			
Fall 2007	PSY724	724	Factors in Sys	PSY	у	4	in design projects.	GR	LE	Lecture
							The experimental method as it is			
							applied to social psychological			
							problems. Provides experiences			
			Exp Meth in		Psycholog		in both laboratory and field			
Fall 2007	PSY725	725	Soc Psy	PSY	у	4	techniques.	GR	LE	Lecture
							Attitude as a social psychological			
							concept, including problems of			
			Attitude Struct		Psycholog		measurement, empirical findings,			
Fall 2007	PSY726	726	& Change	PSY	у	4	and theoretical models.	GR	LE	Lecture

Fall 2007	PSY727	727	Small Groups	PSY	Psycholog y	Current theory and research in selected areas of small groups, including communications, group norms and conformity, group 4 structure, and leadership. GR LE Lecture
Fall 2007	PSY729	729	Interpersonal Relations	PSY	Psycholog V	Current theory and research in selected areas of small groups, including communications, group norms and conformity, group 4 structure, and leadership. GR LE Lecture
Fall 2007	PSY731	731	Adv Theories Personality	PSY	Psycholog y	Contemporary theories of the development, organization, and dynamics of personality. GR LE Lecture
Fall 2007	PSY732	732	Personality Structure	PSY	Psycholog y	The major approaches for describing personality structure will be discussed and the results of factor analytic studies will be summarized. Implications of personality structure for behavior will be explored and the interactionist model will be described and evaluated. Relevant data on individual differences and tests will be summarized and evaluated. Consistency of differences across situations as well as application 4 of results will be discussed. GR LE Lecture
Fall 2007	PSY733	733	Community Psychology	PSY	Psycholog v	Seminar on policy formulation and programming for community-oriented approaches to mental health problems. Covers history, policy, and program development difficulties; social problems versus illness models of psychopathology and 4 treatment, and preventive GR LE Lecture

Fall 2007	PSY735	735	Sys Analy & Organiz Chang	PSY	Psycholog y	Overview of the systems approach to organizational diagnosis, planning, and intervention in human service organizations. Behavioral 4 interventions are emphasized. GR LE Lecture
Fall 2007	PSY740	740	Indust/Org Psych	PSY	Psycholog y	Provides an overview of the major topics in industrial/organizational 4 psychology. Traditional as well GR SE Seminal
Fall 2007	PSY741	741	Personnel Selection	PSY	Psycholog v	In-depth review of the psychological basis of personnel selection including recruitment techniques, criterion development, performance evaluation, validity generalization, and instruments. Theoretical, practical, and legal issues are covered. GR LE Lecture
Fall 2007	PSY742	742	Organizational Behavior	PSY	Psycholog y	Review of behavior in organizations within a framework of psychological theory and research. Topics include socialization, careers, organizational design, and 4 leadership.
Fall 2007	PSY743	743	Psychology of Leadership	PSY	Psycholog	Designed to explore the theories, research, and practice of leadership in work organizations 4 from a psychological perspective. GR LE Lecture

							The course focuses on the			
							unique methodological			
							challenges faced by I/O			
							researchers. The empirical			
							problems that the complex			
							nature of organizations and their			
							uncontrollable environments			
							pose for researchers are			
							discussed. Theory, causation,			
							and experimental validity are			
							reviewed. Various research			
							designs (e.g., true experiments,			
							quasi-experiments, correlation			
							and regression analysis,			
							ethnographic study) are			
							presented and scrutinized.			
							Methods of data collection (e.g.,			
							unobtrusive measurement,			
			Res Methods		Psycholog		survey, qualitative) are reviewed.			
Fall 2007	PSY745	745	I/O Psy	PSY	V	1	Meta-analysis as a research	GR	LE	Lecture
1 411 2007	131743	743	170 1 39	131	y		In-depth review of major areas	OIX	L-L	Lecture
							of human factors research. The			
			Prosmnr				areas reviewed in this course			
					Devebolog					
F-II 2007	DCV7E1	751	Human	DCV	Psycholog	4	complement those areas	CD	C.F.	Camalinan
Fall 2007	PSY751	751	Factors Psy	PSY	У	4	reviewed in PSY 752.	GR	SE	Seminar
							In-depth review of major areas			
							of human factors research. The			
			Prosmnr				areas reviewed in this course			
			Human		Psycholog		complement those areas			
Fall 2007	PSY752	752	Factors Psy	PSY	У	4	reviewed in PSY 751.	GR	SE	Seminar
							Theories and data on social			
							behavior will be reviewed. Topics			
							will include attitude and attitude			
							change, social perception,			
							prejudice, and group decision-			
			Grp Process &		Psycholog		making. Possible applications will			
Fall 2007	PSY753	753	Soc Beh	PSY	y	4	be discussed.	GR	LE	Lecture

			Seminar in							
			Human		Psycholog	١	Weekly discussions of topics in			
Fall 2007	PSY759	759	Factors	PSY	y	0 H	Human Factors.	GR	SE	Seminar
			Human Lrng &		Psycholog		Phenomena, principles, and problems of learning and			
Fall 2007	PSY761	761	Memory	PSY			retention.	GR	LE	Lecture
Fall 2001	F31701	701	IVICITIOI y	FSI	У		Experimental findings in animal	GK	LL	Lecture
I						a	and human learning with			
İ			Advanced		Psycholog		emphasis on their implications			
Fall 2007	PSY762	762	Learning	PSY	у		for current theories in learning.	GR	LE	Lecture
I							Experimental findings in animal			
							and human motivation with			
			Advanced		Psycholog		emphasis on their implications			
Fall 2007	PSY763	763	Motivation	PSY	y		for current theories of	GR	LE	Lecture
							_aboratory experiments in			
							numan information processing			
							llustrating basic cognitive			
						ŗ	phenomena. Practical experience			
			Human Info		Psycholog	i	n measurement techniques and			
Fall 2007	PSY766	766	Process Lab	PSY	у		experimental design.	GR	LE	Lecture
. 	T	\top					Selected problems in perception			
					Psycholog		with emphasis on theoretical			
Fall 2007	PSY771	771	Perception	PSY	у		nterpretations.	GR	LE	Lecture
 I	T	\top					The basic physiology of the			
							senses and the peripheral			
							nervous system. Emphasis on			
			Sensory		Psycholog	r	receptor mechanisms and neural			
Fall 2007	PSY773	773	Processes	PSY	у	4 0	coding processes.	GR	LE	Lecture
						I	ntensive laboratory involvement			
						V	with the instrumentation and			
						S	surgical techniques used in			
						ķ	ohysiological psychology			
						i	ncluding: GSR, EMG, EKG, and			
						E	EEG recordings; animal			
						k	pehavioral changes produced by			
			Neuropsycholo		Psycholog	ϵ	electrical stimulation of the brain			
Fall 2007	PSY775	775	gy	PSY	у	4 a	and/or lesions of brain	GR	LE	Lecture

							Study of visual systems including psychophysical measurement,			
					Davidada		temporal and spatial properties,			
F-II 0007	DC\/77/	77/	Viscos I Calana	DCV	Psycholog		display criteria, colorimetry, and	CD.		1 1
Fall 2007	PSY776	776	Visual Science	PSY	У	4	visual system modeling.	GR	LE	Lecture
							In-depth consideration of visual			
							processes that originate in the			
							cerebral cortex. Topics include binocular vision, motion			
							perception, eye movements, and			
			Cortical Visual		Psycholog		the application of these to			
Fall 2007	PSY778	778	Processes	PSY		1	human factors research.	GR	LE	Lecture
Fall 2007	F31770	776	FIOCESSES	F31	У	4	Review of instrumentation used	GK	LE	Lecture
							in psychological research and			
							applications-relevant			
							microprocessor and analog			
							devices will be described. Topics			
							will include displays, timing,			
							transducers, A/D/A, amplifiers,			
			Instrumentatio		Psycholog		and logical control. Students will			
Fall 2007	PSY782	782		PSY	V	4	construct and modify devices.	GR	LE	Lecture
Tun 2007	101702	, 02	Professional	101	Psycholog	•	Seminar in which professional	O.C.		Ecota. c
Fall 2007	PSY784	784		PSY	V	1	issues and ethics are discussed.	GR	SE	Seminar
1 4 2001		1.0.	100000			-	Statistical methods and			
							interpretations encountered in			
			Intermediate		Psycholog		experimental studies and			
Fall 2007	PSY785	785		PSY	y	4	presentations of behavioral data.	GR	LE	Lecture
			Continuing		Psycholog					Independe
Fall 2007	PSY789	789		PSY	y	1		GR	IS	nt Study
			Independent		Psycholog		Research conducted under			Independe
Fall 2007	PSY790	790	•	PSY	y	1	faculty supervision.	GR	IS	nt Study
							Internship in private or			*
							governmental organizations			
							under the direction of a faculty			
							advisor. Does not count for			
							graduate credit toward the M.S.			
					Psycholog		or Ph.D. degree in psychology.			
Fall 2007	PSY797	797	Internship	PSY	у	1	Graded pass/unsatisfactory.	GR	IN	Internship

							Research conducted for the M.S.			
							thesis. Research must be			
							approved by supervisory			
							committee, submitted in writing			
			Thesis		Psycholog		and defended by public oral			Independe
Fall 2007	PSY799	799	Research	PSY	у	1	examination.	GR	IS	nt Study
							Principles and techniques of			
							visual display design are			
					Psycholog		discussed from the cognitive			
Fall 2007	PSY823	823	Display Design	PSY	y	4	systems engineering perspective.	GR	LE	Lecture
							The application of psychological			
							principles and methods in the			
							avaiation doamin. The focus is			
							on the dynamic pilot-cockpit			
							interface, its cognitive processing			
			Aviation		Psycholog		demand, and implications for			
Fall 2007	PSY825	825	Psychology	PSY	у	4	designs of technological support.	GR	LE	Lecture
							Reviews age changes in			
							sensation, perception, learning,			
							and cognition. Focuses on			
							domains including medical and			
							consumer products, driving and			
							skilled activities, and			
							architecture. Research			
			Applied		Psycholog		techniques include field			
Fall 2007	PSY841	841	Develop Psych	PSY	у	4	3	GR	LE	Lecture
							Work motivation theories are			
							examined in terms of their			
							empirical support and practical			
							usefulness. Goals and the setting			
							of objectives by employees are			
			Work		Psycholog		discussed. The design of work is			
Fall 2007	PSY842	842	Motivation	PSY	У	4	discussed.	GR	LE	Lecture

Fall 2007	PSY845	845	Organizational Theory	PSY	Psycholog y	The structuring of organizations is discussed in terms of centralization, formalization, and complexity. Issues of division of labor, span of control and departmentalization and delegation are examined. Mechanistic versus organic models of organizational design are compared and contrasted. The role technology plays in design is addressed. The environment's impact on organizational design is examined including uncertainty, information processing and adaptation. Matrix designs are evaluated in terms of their	GR	LE	Lecture
Fall 2007	PSY862	862	Instructional Systems	PSY	Psycholog	Advances in computer science and artificial intelligence have provided us with the potential to develop instructional systems that are capable of improving the effectiveness of training. The modules that comprise an instructional system (expert diagnosis, instructional, and environmental modules) are discussed. Theories of information processing, learning, and memory that can be used to guide the development of these systems are also discussed. Evaluation of training programs 4 are analyzed in depth.	GR	LE	Lecture

			Converieti, o		Developer	Review of computer models for cognitive processing, including propositional and connectionist approaches. Development and			
Fall 2007	PSY864	864	Cognitive Modeling	PSY	Psycholog	evaluation of mathematical 4 models.	GR	LE	Lecture
Fall 2007	P31004	004	iviodeiling	P31	У	Role of vestibular organs in space orientation. Stimulus parameters, anatomy, neurophysiology, psychophysics perception, performance, and		LE	Lecture
						motor responses are examined			
			Vestibular		Psycholog	with special reference to			
Fall 2007	PSY873	873	Function	PSY	у	4 aerospace vehicles.	GR	LE	Lecture
			Psychoacousti		Psycholog	Advanced examination of auditory psychophysics and perceptual processes involving consideration of peripheral and			
Fall 2007	PSY875	875		PSY	у	4 central auditory physiology	GR	LE	Lecture
Fall 2007	PSY881	881	History & Systems in Psy	PSY	Psycholog y	A review of the history of psychology that explores the major trends in the developmer of the field. The relation of modern psychology to its 4 antecedents will be explored.	et GR	LE	Lecture
			Topics in Human		Psycholog	Seminars with in-depth coverag of special topics in human factors. Topics vary. Permission of Instructor. May be taken for letter grade or	а		
Fall 2007	PSY886	886	Factors	PSY	у	1 pass/unsatisfactory.	GR	LE	Lecture
						Seminars with in-depth coverag of special topics in industrial or organizational psychology. Topics vary. Permission of	е		
Fall 2007	DCVOOC	000	Topics in	DCV	Psycholog	Instructor. May be taken for a	CD	CE	Comina
Fall 2007	PSY888	888	Indus/Organiz	P21	У	1 letter grade or	GR	SE	Seminar

						(Also listed as BMS 914.)			
						Coverage of the neurobiological			
						basis of behavior. Focuses on			
						motor function, ingestion,			
			Behavioral		Psycholog	mating, learning, memory,			
Fall 2007	PSY891	891	Neuroscience	PSY	V	4 rhythmical influences, and	GR	LE	Lecture
						The application of			
						psychophysiological measures to			
						problems in engineering			
						psychology will be addressed.			
						Electroencephalographic,			
						oculomotor, cardiovascular and			
						respiratory measures will be			
						reviewed. Relationship to			
			Egr			workload, attention, circadian			
			Psychophysiol		Psycholog	rhythms, stress, and display			
Fall 2007	PSY894	894	ogy	PSY	у	4 design will be explored.	GR	LE	Lecture
						Description of human control			
						processes and their models.			
			Man Control &		Psycholog	Analyses of human skills and skill			
Fall 2007	PSY968	968	Motor Skill	PSY	у	4 typology.	GR	LE	Lecture
						The effects of psychological			
						stress on neuroendocrine and			
						other physiological systems are			
						explored. The implications of			
						these relationships for disease			
			Psychobiology		Psycholog	processes and human			
Fall 2007	PSY991	991	of Stress	PSY	У	4 performance are discussed.	GR	LE	Lecture
						Original research of a quality			
						that is publishable in refereed			
						journals. Research must be			
						acceptable to the supervisory			
<u>_</u>			Dissertation		Psycholog	committee, submitted in writing			Independe
Fall 2007	PSY999	999	Research	PSY	У	1 and defended by public oral	GR	IS	nt Study
			Autopsy						
Fall 2007	PTH601	601	Pathology	PTH	Pathology	2	MD	CL	Clinical
E 11 000=	DTILLOG	.00	Clin Lab	D.T.I.	D 11				
Fall 2007	PTH603	603	Hematology	PTH	Pathology	2	MD	CL	Clinical

I			Hospital-Based						
Fall 2007	PTH605	605	Pathology	PTH	Pathology	2	MD	CL	Clinical
			Forensic		3,7				
Fall 2007	PTH606	606	Pathology	PTH	Pathology	2	MD	CL	Clinical
			Student-						
			Initiated						
Fall 2007	PTH800	800	Elective	PTH	Pathology	4	MD	CL	Clinical
			Hospital						
Fall 2007	PTH801	801	Pathology	PTH	Pathology	8	MD	CL	Clinical
			Pediatric						
Fall 2007	PTH803	803	Pathology	PTH	Pathology	8	MD	CL	Clinical
			Overview:						
			Hosp-Based						
Fall 2007	PTH804	804	Path	PTH	Pathology	8	MD	CL	Clinical
			Trauma						
F 11 0007	DTUGGE	005	Autopsy	DTU	B			01	
Fall 2007	PTH805	805	Patholgy	PTH	Pathology	8	MD	CL	Clinical
			F-N Aspiration						
Fall 2007	PTH806	806	Cytology	PTH	Pathology	8	MD	CL	Clinical
Fall 2007	FILIOUO	800	FNA Cytology:	FIII	ratifology	0	טועו	CL	Cililical
Fall 2007	PTH807	807	Thyroid	PTH	Pathology	4	MD	CL	Clinical
1 411 2007	1 111007	007	Trigroid		rathology		IVID	OL .	Omnear
Fall 2007	PTH900	900	Extramural	PTH	Pathology	4	MD	Н	Hospital
					33	Practical laboratory experiences			
						in commonly used biological			
						techniques including DNA			
						purification and manipulation,			
						protein expression and analysis,			
						and the classical pharmacologica			
						techniques of mediating receptor			
						binding. Designed to give hands			
						on experience along with a short			
					Pharmaco	weekly lecture providing			
			Research		logy/Toxi	background on the theory behind			
Fall 2007	PTX700	700	Techniques	PTX	cology	3 the topic.	GR	LE	Lecture

							This course will introduce the			
							basic principles that govern the			
					Pharmaco		bio-availabilty/activity of drugs			
			Principles of		logy/Toxi		and toxants in an organism with			
Fall 2007	PTX710	710	Biokinetics	PTX	cology	4	the focus on humans.	GR	LE	Lecture
2007		7.0	2.0		55.595	•	This course will introduce the			200100
							basic principles that govern the			
					Pharmaco		dynamics of drugs and toxants in			
			Principles of		logy/Toxi		an organism with the focus on			
Fall 2007	PTX750	750	Biodynamics	PTX	cology	4	humans.	GR	LE	Lecture
2007		7.00	2.0 4 3		55.595	•	Modern toxicology focuses on	0		20000.0
							understanding the mechanism of			
							action of chemicals at the			
							molecular level. This course will			
							explore a spectrum of molecular			
					Pharmaco		mechanisms of toxicity providing			
			Molecular		logy/Toxi		a broad perspective of the			
Fall 2007	PTX751	751	Toxicology	PTX	cology	4	cutting edge of research in	GR	LE	Lecture
			33		33		This course will provide an in			
							depth understanding of chemical			
							and biological warfare threat			
							agents and medical intervention.			
							It will also intro requirements for			
							government and contract			
					Pharmaco		research standards for study			
			Toxicol Appl		logy/Toxi		design, development, and			
Fall 2007	PTX770	770	Chm Defense	PTX	cology	3	execution.	GR	LE	Lecture
			PTX		Pharmaco		Guest speakers, students, WSU			
			Seminar/Journ		logy/Toxi		faculty present research results			
Fall 2007	PTX990	990	al Club	PTX	cology	1	and current topics form	GR	SE	Seminar
			Student			-				
			Initiated							
Fall 2007	PYC600	600	Elective	PYC	Psychiatry	2		MD	LE	Lecture
			Intro Child			-				
Fall 2007	PYC602	602	Adolescent	PYC	Psychiatry	2		MD	CL	Clinical
			Psychiatry							
Fall 2007	PYC700	700	Clerkship	PYC	Psychiatry	11		MD	CL	Clinical

			Student-						
			Initiated						
Fall 2007	PYC800	800	Elective	PYC	Psychiatry	4	MD	CL	Clinical
			Consult/Liaiso						
Fall 2007	PYC801	801	n Psychiatry	PYC	Psychiatry	8	MD	CL	Clinical
			O-P						
			Child/Adolesce						
Fall 2007	PYC803	803	nt Psych	PYC	Psychiatry	8	MD	CL	Clinical
			Consultation/Li						
Fall 2007	PYC808	808	aison Psych	PYC	Psychiatry	8	MD	CL	Clinical
			Community						
Fall 2007	PYC809	809	Psychiatry	PYC	Psychiatry	8	MD	CL	Clinical
			Acting						
			Internship						
Fall 2007	PYC810	810	Psychiatry	PYC	Psychiatry	8	MD	CL	Clinical
			Care of						
			Severely						
Fall 2007	PYC811	811	Mentally III	PYC	Psychiatry	8	MD	CL	Clinical
			Intro						
Fall 2007	PYC812	812	Psychotherapy	PYC	Psychiatry	8	MD	CL	Clinical
			Mental						
			Retardation/D						
Fall 2007	PYC813	813	D	PYC	Psychiatry	8	MD	CL	Clinical
			Addiction						
Fall 2007	PYC814	814	Psychiatry	PYC	Psychiatry	8	MD	CL	Clinical
			Systems-						
			Based						
Fall 2007	PYC815	815	Psychiatry	PYC	Psychiatry	8	MD	CL	Clinical
Fall 2007	PYC900	900	Extramural	PYC	Psychiatry	4	MD	Н	Hospital
			Student-						
			Initiated						
Fall 2007	RAD800	800	Elective	RAD	Radiology	4	MD	CL	Clinical
			Medical						
Fall 2007	RAD803	803	Imaging	RAD	Radiology	8	MD	CL	Clinical
Fall 2007	RAD900	900	Extramural	RAD	Radiology	4	MD	Н	Hospital

							Study of selected Biblical writings			
							viewed in their original cultural			
							contexts and chosen to reflect			
							the varieties of Biblical literature,			
			Great				the Bible's relationship to various			
			Books:Bible &				societies, and its role in the			
Fall 2007	REL204	204	Wstrn Cult	REL	Religion	4		UG	LE	Lecture
			Writing in REL				Required writing component for			
Fall 2007	REL204W	204W	204	REL	Religion	0	REL 204.	UG	LB	Lab
							Explores the question of the			
							meaning of religion by looking at			
							various ways in which people			
							experience and express it.			
			What is				Diverse examples of religion and			
Fall 2007	REL205	205	Religion?	REL	Religion	4	religious life are considered.	UG	LE	Lecture
							General introduction to the major			
							religious traditions of South Asia			
							and East Asia: Hinduism,			
			Eastern				Buddhism, Confucianism,			
Fall 2007	REL206	206	Religions	REL	Religion	4	Taoism, and Shintoism.	UG	LE	Lecture
							General introduction to the major			
							religious traditions of Judaism,			
			Western				Christianity, Islam, and other			
Fall 2007	REL207	207	Religions	REL	Religion	4	selected religious traditions.	UG	LE	Lecture
							Study of selected problems,			
							ideas, and religious			
			Contemporary				developments that have become			
Fall 2007	REL208	208	Issues in Rel	REL	Religion	3	important in contemporary	UG	LE	Lecture
			Hebrew				Introduction to the literature,			
			Scripture(Old			_	history, and religion of ancient		_	
Fall 2007	REL220	220	Test)	REL	Religion	3	Israel.	UG	LE	Lecture
							Introduction to the literature and			
							religion in Jewish sects from the			
							Exile (ca. 500 B.C.E.) to the			
							Mishnah of Judah the Prince			
F - II 0007	DEL 004	224	Between the	DEL	Dellede	_	(200 C.E.), including the Dead			
Fall 2007	REL221	221	Testaments	REL	Religion	3	Sea Scrolls.	UG	LE	Lecture

			Lit & Rel of			Introduction to the literature,			
			New			history, and religion of early			
Fall 2007	REL222	222	Testament	REL	Religion	3 Christianity.	UG	LE	Lecture
						Survey of different religions in			
						the United States with attention			
			Religion & the			to the growth of a distinctive			
			Amer			form of religion shaped by the			
Fall 2007	REL231	231	Experience	REL	Religion	3 American experience.	UG	LE	Lecture
						Survey of the black American			
						religious experience from the			
						colonial era to the present.			
						Examines what black American			
						religion is and the role it plays in			
			Afro-American			the sociopolitical life of Afro-			
Fall 2007	REL235	235	Religious Exp	REL	Religion	3 Americans.	UG	LE	Lecture
						Comparative study of the role of			
			World			religion in cultures and societies			
Fall 2007	REL245	245	Religions	REL	Religion	3 on the international scene.	UG	LE	Lecture
						Focuses on the religious			
			African			concepts and practices of			
Fall 2007	REL246	246	Religion	REL	Religion	3 premodern African tradition.	UG	LE	Lecture
			Approaches to			Examination of various religious			
			Religious			ethical systems from diverse			
Fall 2007	REL270	270	Ethics	REL	Religion	3 cultural situations.	UG	LE	Lecture
						(Also listed as PHL 280.)			
						Selected cross-disciplinary issues			
						arising from philosophy and			
						religion; Judeo-Christian concept			
						of God, grounds for belief and			
						disbelief, revelation and faith,			
						religious language, verification,			
						immortality and resurrection, and			
			PhI of			karma and reincarnation. Issues			
			Religion:Faith			are discussed on the basis of			
Fall 2007	REL280	280	& Reason	REL	Religion	3 selected texts on faith and	UG	LE	Lecture

						(Also listed as PHL 281.) Cross-			
						disciplinary perspective on			
						philosophical and religious			
						schools of thought in the early			
						20th century. Absolute and			
						personal idealism, spirit, value,			
						positivism and naturalism,			
			DI 1 6			history and culture, modernism			
			Phl of			and pragmatism, religious			
			Rel:Contemp			consciousness, and			
Fall 2007	REL281	281	West Survey	REL	Religion	3 phenomenology.	UG	LE	Lecture
						Investigation and discussion of a			
			Current			single current problem in the			
Fall 2007	REL290	290	Problems	REL	Religion	3 field of religion.	UG	LE	Lecture
						Concentrates on specific			
						segments of American religious			
						life. Focuses on one or more			
						distinctive religious groups or			
			Religion in			movements in the context of			
Fall 2007	REL300	300	America	REL	Religion	4 American history and culture.	UG	LE	Lecture
						Survey of important themes in			
						religious thought of the major			
			Early &			Western traditions. Selected			
			Medieval West			readings from primary sources			
Fall 2007	REL310	310	Rel Thgt	REL	Religion	4 and secondary interpretations.	UG	LE	Lecture
						Survey of important themes in			
						the religious thought of the			
			Reformation &			major Western traditions.			
			Mod West Rel			Selected readings from primary			
Fall 2007	REL311	311	Tht	REL	Religion	4 sources and secondary	UG	LE	Lecture
						Examination of the structures of			
						religious experience that have			
						shaped the development of			
						Christianity in history.			
						Institutional and ritual forms are			
						investigated as systems of			
						meaning against the backdrop of			
Fall 2007	REL315	315	Christianity	REL	Religion	4 the general history of religions.	UG	LE	Lecture

			Judaism: Faith				Examination of Judaism as a religious faith and people, with special reference to formative historical, social, ethnic, and			
Fall 2007	REL316	316	& People	REL	Religion	4	cultural factors.	UG	LE	Lecture
			Contemporary Jewish				Examination of the major themes and issues in the works of contemporary Jewish thinkers (e.g., Borowitz, Herberg, Fackenheim, Kaplan, Rothschild,			
Fall 2007	REL318	318	Thought	REL	Religion	4	Heschel, Rubenstein, and	UG	LE	Lecture
Fall 2007	REL321	321	Religions in Biblical Period	REL	Religion	4	Examination of selected religious movements and/or problems in the Biblical period, and their interconnectedness and mutual influences.	UG	LE	Lecture
1 dii 2307	NEE OZ	021	Topics in Biblical	NEE .	rengion	•	Examination of selected aspects of Biblical literature from both literary and historical perspectives to explore the possible structures, functions, and meanings of this literature			Ecotorio
Fall 2007	REL322	322	Literature	REL	Religion	4	for its original community.	UG	LE	Lecture
Fall 2007	REL322W	322W	Writing in REL 322	REL	Religion	0		UG	LB	Lab
			Topics in American				Examination of selected topics in American religion to investigate its basic religious structures and to explore the relationship of religious phenomena to their			
Fall 2007	REL330	330	Religion	REL	Religion	4	cultural context.	UG	LE	Lecture
Fall 2007	REL330W	330W	Writing in REL 330	REL	Religion	0	Considers a variety of new	UG	LB	Lab
Fall 2007	REL331	331	New Religious Movemnts in Amer	REL	Religion	4	religious movements in America, including Shakers, Mormons, Seventh-Day Adventists, and Jehovah's Witnesses.	UG	LE	Lecture

						General examination of the role			
						women have played in American			
			Women &			religious history, with special			
			Religion in			reference to the diversity of			
Fall 2007	REL332	332	America	REL	Religion	4 women's religious experiences.	UG	LE	Lecture
1 411 2007	IKLLUUZ	332	America	IXLL	Kengion	Studies in the religious	00		Lociuic
						dimension of Asian cultures with			
			Topics in			attention to historical, social, and			
Fall 2007	REL340	340	Asian Religion	RFI	Religion	4 aesthetic perspectives.	UG	LE	Lecture
1 411 2007	INLLUTO	340	Asian Kengion	IXLL	Keligion	Study of the origin and	00		Locture
						development of Islam including			
						contemporary issues and			
Fall 2007	REL341	341	Islam	REL	Religion	4 problems.	UG	LE	Lecture
1 411 2007	KLL341	341	Writing in REL	KLL	Religion	4 problems.	UG	LL	Lecture
Fall 2007	REL341W	341\//	341	REL	Religion	0	UG	LB	Lab
1 411 2007	ICELOTI IV	34177	J-1	IXEL	Religion	Examination of the role of	00	LD	Lub
						religion in Japanese culture and			
			Religion in			society with attention to both			
Fall 2007	REL344	344	Japanese Life	REL	Religion	3 historical development and	UG	LE	Lecture
1 411 2007	IXELOTT	011	Supuriose Elic	IXEL	rengion	Basic issues in death and dying	00		Lociaro
						using resources from human			
			Understanding			sciences and humanities in			
Fall 2007	REL357	357	Death	REL	Religion	4 religious perspective.	UG	LE	Lecture
1 411 2007	IXEE007	007	Beatin	IXEL	Religion	(Also listed as SOC 361.) General	00	<u></u>	Ecotore
						treatment of religion as a social			
						institution, examining the			
						influence of religious ideas and			
						organizations on other social			
			Religion and			institutions and the influence of			
Fall 2007	REL361	361	Society	REL	Religion	4 society on religion.	UG	LE	Lecture
					, rengren	(Also listed as ATH 346.)			
						Anthropological approach to the			
						meaning and function of religion			
						in social life and the nature of			
						the thought or belief systems			
						that gave rise to different forms			
			Anthropology			of religious life; emphasis on			
Fall 2007	REL362	362	of Religion	REL	Religion	4 primitive and peasant societies.	UG	LE	Lecture

						Introduction to selected themes,			
						issues, and problems in the			
						interaction of religion and			
			Religion and			psychology. Differing points of			
Fall 2007	REL363	363	Psychology	REL	Religion	4 view are considered.	UG	LE	Lecture
						(Also listed as PLS 315.) General			
						examination of both the			
						historical and the contemporary			
						relation between religion and			
			Religion &			politics in the United States, with			
			Politics in			special reference to church/state	_		
Fall 2007	REL365	365	America	REL	Religion	4 separation	UG	LE	Lecture
						Special topics for intensified			
						study of the ethical dimensions			
						of a particular religious tradition			
						or for concentrated study in			
			Studies in			theoretical or practical ethical			
Fall 2007	REL370	370	Ethics:	REL	Religion	4 problems. Topics vary.	UG	LE	Lecture
Fall 2007	REL370W	370W	Writing in REL	REL	Religion	0	UG	LB	Lab
						(Also listed as PHL 371.) Case			
						studies and discussion of ethical			
			Business			issues involved in business			
Fall 2007	REL371	371	Ethics	REL	Religion	4 transactions and management.	UG	LE	Lecture
						(Also listed as PHL 378.)			
						Examination of ethical issues			
						confronting society in areas of			
						medicine and health care, from			
						perspective of philosophical and			
						theological ethics. Examples			
						include ethics of abortion,			
			Ethics and			euthanasia, experimental			
Fall 2007	REL378	378	Medicine	REL	Religion	4 medicine, and behavior control.	UG	LE	Lecture

Fall 2007	REL382	382	Philosophy of Religion:Proce ss	REL	Religion	4	Also listed as PHL 382.) Realism and the revolt against idealism. Cross-disciplinary analysis of major contemporary philosophers and the implications of their thoughts for religion. Focus on Alfred North (Also listed as PHL 383.) Crossdisciplinary analysis of modes of	UG	LE	Lecture
Fall 2007	REL383	383	Philosophy of Religion: Secul ar	REL	Religion		human awareness through which religious meaning is expressed (sensation, morality, beauty, reason, and human relations). Examination of presuppositions of contemporary secular religion in existentialism.	UG	LE	Lecture
			Studies in Selected				Problems, approaches, and topics in the field of religion.			
Fall 2007	REL390	390	Subjects Writing in REL	REL	Religion		Topics vary. Required writing component for	UG	LE	Lecture
Fall 2007	REL390W	390W	390	REL	Religion		REL 390.	UG	LB	Lab
Fall 2007	REL394	394	Existentialism	REL	Religion		(Also listed as PHL 394.) Representative writers of the existentialist movement.	UG	LE	Lecture
			Religion in				Development of religious thought and institutional life in the United States viewed in relationship to			
Fall 2007	REL431	431	American Life Black Amer Religious	REL	Religion		American social change. Analysis of black American religious thought through critical study of the writings of selected figures who have helped shape black religion from 1780 to the	UG	LE	Lecture
Fall 2007	REL435	435	Thought	REL	Religion		present.	UG	LE	Lecture

			Asian			(Also listed as PHL 443.) Perennial themes in Asian cultures (such as individual, society, and cosmos; appearance and reality; time and history; karma, freedom, and responsibility) as they have been			
			Religious			treated in the philosophical			
Fall 2007	REL443	443	Philosophy	REL	Religion	4 traditions of these cultures.	UG	LE	Lecture
						(Also listed as ENG 460.)			
						Provides intensive study of			
			Delladare			literary works in terms of			
			Religious			significant and recurring religious			
Fall 2007	REL456	456	Themes in Literature	REL	Dollaion	themes and images as they can 4 be traced in various cultures and	LIC	LE	Lecture
raii 2007	REL430	430	Literature	KEL	Religion	Ethical responsibilities of	UG	LC	Lecture
						business in light of political,			
						moral, social, and religious			
						considerations. Emphasis on			
						analysis and evaluation of the			
			Ethics in			changing framework of			
			Industrial			responsibilities facing both			
Fall 2007	REL479	479	Society	REL	Religion		UG	LE	Lecture
						(Also listed as BIO 417.)			
						Introduction to the biological,			
			Evolution, Relig			philosophical, theological, and			
Fall 2007	REL487	487	ion & Ethics	REL	Religion	4 ethical aspects of evolution.	UG	LE	Lecture
			Independent						Independe
Fall 2007	REL490	490	Reading	REL	Religion	1	UG	IS	nt Study
			Seminar in						
Fall 2007	REL493	493	Religion	REL	Religion	4 Topics vary.	UG	SE	Seminar
			Writing in						
Fall 2007	REL493W	493W	Religion	REL	Religion	0	UG	LB	Lab

							Intensive consideration of			
							problems and issues in a given			
							area of religious study; topics			
							determined in consultation			
							between students and			
			Undergrad				department. Graded			
			Research in				pass/unsatisfactory at discretion			Independe
Fall 2007	REL494	494	Religion	REL	Religion	1	of department.	UG	IS	nt Study
Fall 2007	KLL494	474	Religion	KLL	Religion	- 1	Guided research culminating in a	UG	13	iii Study
							major paper on a topic chosen			
							by the student and the			
							instructor. Students develop a			
							comprehensive bibliography,			Landon and a
F - II 0007	DEL 407	407	Camban Dualast	DEL	Dellades		prepare a detailed outline, and		10	Independe
Fall 2007	REL497	497	Senior Project	REL	Religion	4	write and revise the final project.	UG	IS	nt Study
							Intensive study of selected			
							problems (e.g., the teaching of			
							religion in the secondary school,			
							medical ethics) to meet			
						_	particular needs of participating			
Fall 2007	REL498	498	Workshop	REL	Religion	3	students. Topics vary.	UG	LE	Lecture
							Survey of important themes in			
							the religious thought of the			
			Early &				major Western traditions.			
			Medieval West				Selected readings from primary			
Fall 2007	REL510	510	Rel Thgt	REL	Religion	4	sources and secondary	GR	LE	Lecture
							Survey of important themes in			
							the religious thought of the			
			Reformation &				major Western traditions.			
			Mod West Rel				Selected readings from primary			
Fall 2007	REL511	511	Tht	REL	Religion	4	sources and secondary	GR	LE	Lecture

							An examination of the structures			
							of religious experience which			
							have shaped the development of			
							Christianity in history.			
							Institutional and ritual forms will			
							be investigated as systems of			
							meaning against the backdrop of			
Fall 2007	REL515	515	Christianity	REL	Religion	4	the general history of religions.	GR	LE	Lecture
1 411 2007	IKEESTS	010	Omistianity	IXEL	Religion		Judaism as a religious culture of	OIX		Locidio
							a particular people is examined			
			Judaism: Faith				critically, historically and			
Fall 2007	REL516	516	and People	REL	Religion		phenomenologically.	GR	LE	Lecture
1 411 2007	IKELSTO	310	and reopic	IXLL	Keligion		Examination of the major themes		LL	LCCturc
							and issues in the works of			
							contemporary Jewish thinkers,			
			Contemporary				e.g., Borowitz, Herberg,			
			Jewish				Fackenheim, Kaplan, Rothschild,			
Fall 2007	REL518	518	Thought	REL	Religion		Heschel, Rubenstein and	GR	LE	Lecture
1 411 2007	IXELUTO	310	Triougitt	IVEL	Keligion		Examination of selected religious	OIX	LL	LCCturc
							movements and/or problems in			
							the Biblical period and their			
			Religions in				interconnectedness and mutual			
Fall 2007	REL521	521	Biblical Period	REL	Religion		influences.	GR	LE	Lecture
1 411 2007	IKELOZI	021	Diblical 1 crioa	TTEE	rteligion	<u> </u>	Examination of selected aspects	Oit		Lootaro
							of Biblical literature from both			
							literary and historical			
							perspectives to explore the			
			Topics in				possible structures, functions,			
			Biblical				and meanings of this literature			
Fall 2007	REL522	522	Literature	REL	Religion	4	for its original community.	GR	LE	Lecture
1 411 2007	TTEEOEE	022	Entorataro	1122	rtongion		Examination of selected topics in			200141.0
							American religion to investigate			
							basic religious structures and to			
			Topics in				explore the relationship of			
			American				religious phenomena to their			
Fall 2007	REL530	530	Religion	REL	Religion	4	cultural context.	GR	LE	Lecture
1 un 2007	IVELUUU	550	Religion	116	Religion	7	outtain contoxt.	JIV		Locidio

							Studies in the religious			
							dimension of Asian cultures, with			
			Topics in				emphasis on historical, social,			
Fall 2007	REL540	540	Asian Religion	REL	Religion	4	and aesthetic perspectives.	GR	LE	Lecture
							Examination of the role of			
							religion in Japanese culture and			
			Religion in				society with attention to both			
Fall 2007	REL544	544	Japanese Life	REL	Religion	3	historical development and	GR	LE	Lecture
			-				Basic issues in death and dying			
							using resources from human			
			Understanding				sciences and humanities in a			
Fall 2007	REL557	557	Death	REL	Religion	4	religious perspective.	GR	LE	Lecture
							(Also listed as SOC 561.)			
							Treatment of religion as a social			
							institution. Examines the			
							influence of religious ideas and			
							organizations on other social			
			Religion and				institutions, and the influence of			
Fall 2007	REL561	561	Society	REL	Religion	4	society on religion.	GR	LE	Lecture
							(Also listed as ATH 546.)			
							Anthropological approach to the			
							meaning and function of religion			
							in social life and the nature of			
							the thought or belief systems			
							that gave rise to different forms			
			Anthropology				of religious life. Emphasis on			
Fall 2007	REL562	562	of Religion	REL	Religion	4	primitive and peasant societies.	GR	LE	Lecture
					j		An introduction to selected			
							themes, issues, and problems in			
							the interaction of religion and			
			Religion and				psychology. Differing points of			
Fall 2007	REL563	563	Psychology	REL	Religion	4	view are considered.	GR	LE	Lecture

							A special tapias source for			
							A special topics course for			
							intensified study of the ethical			
							dimensions of a particular			
							religious tradition or for			
							concentrated study in			
							theoretical or practical ethical			
			Studies in				problems. Topics to be			
Fall 2007	REL570	570	Ethics	REL	Religion	4	announced with each offering.	GR	LE	Lecture
							(Also listed as PHL 578.) An			
							examination of the ethical issues			
							confronting society in the area of			
							medicine and health care,			
							considered from the perspective			
							of philosophical and theological			
							ethics. Examples include ethics			
							of abortion, euthanasia,			
			Ethics and				experimental medicine, and			
Fall 2007	REL578	578	Medicine	REL	Religion	4	behavior control.	GR	LE	Lecture
1 411 2007	IXEE070	0,0	Wiedienie		rtengion	<u> </u>	Realism and the revolt against	0.1		2001410
							idealism. Cross-disciplinary			
							analysis of major contemporary			
							process philosophers and the			
			Philosophy of				implications of their thoughts for			
			Religion: Proce				religion. Focus on Alfred North			
Fall 2007	REL582	582	SS SS	REL	Religion	1	Whitehead.	GR	LE	Lecture
1 411 2007	KLL302	302	33	IXLL	Religion		Cross-disciplinary analysis of	GIX	LL	Lecture
							modes of human awareness			
							through which religious meaning			
							is expressed (sensation,			
			Diellerenderen				morality, beauty, reason, and			
			Philosophy of				human relations). Examination of			
	DEL 500		religion:Secula	551	5		presuppositions of contemporary	0.0		
Fall 2007	REL583	583	r	REL	Religion	4	secular religion in existentialism.	GR	LE	Lecture
							Problems, approaches, and			
			Studies in				topics in the field of religion.			
Fall 2007	REL590	590	Selected Subj	REL	Religion	4	Topics vary.	GR	LE	Lecture

						Development of religious thought and institutional life in the United	
			Religion in			States viewed in relationship to	
Fall 2007	REL631	631	American Life	REL	Religion	4 American social change. GR LE	Lecture
						Analysis of black American	
						religious thought through critical	
			District Assess			study of the writings of selected	
			Black Amer			figures who have helped shape	
Fall 2007	חבו / זר	/25	Religious	DEL	Deligion	black religion from 1780 to the 4 present. GR LE	Laatuwa
Fall 2007	REL635	635	Thought	REL	Religion	•	Lecture
i						Study of the origin and	
İ						development of Islam, including contemporary issues and	
Fall 2007	REL641	641	ISLAM	REL	Religion	4 problems. GR LE	Lecture
Fall 2007	KEL041	041	ISLAW	KLL	Religion	(Also listed as PHL 643.)	Lecture
						Perennial themes in Asian	
						cultures, such as individual,	
						society, and cosmos; appearance	
						and reality; time and history;	
						and karma, freedom, and	
			Asian			responsibility. Treatment of	
			Religious			these themes in the philosophical	
Fall 2007	REL643	643	Philosophy	REL	Religion	4 traditions of Asian cultures. GR LE	Lecture
					3 -	Courses offered under this	
i						number provide intensive study	
						of literary works in terms of	
						significant and recurring religious	
			Religious			themes and images as they can	
			Themes in			be traced in various cultures,	
Fall 2007	REL656	656	Literature	REL	Religion	4 and literary traditions. GR LE	Lecture
						Intensive study of selected	
						problems (e.g., the teaching of	
						religion in secondary school,	
						medical ethics) to meet	
						particular needs of participating	
Fall 2007	REL670	670	Workshop	REL	Religion	1 students. Titles vary. GR LE	Lecture

					(Also listed as LAW 605 and MGT			
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					<u> </u>			
REL679	679	Society	REL	Religion		GR	LE	Lecture
REL687	687		REL	Religion	4 ethical aspects of evolution	GR	LE	Lecture
REL693	693	Religion	REL	Religion		GR	LE	Lecture
					· ·			
					Representative writers of the			
REL694	694	Existentialism	REL	Religion	3 existentialist movement.	GR	LE	Lecture
					Intensive research in specialized			
					areas. Students must submit			
		Reading &			written proposals, with faculty			
		Research in			approval, for acceptance into			Independe
REL701	701	Religion	REL	Religion	2 course.	GR	IS	nt Study
					Intensive research in specialized			
					areas. Students must submit			
		Reading &			written proposals, with faculty			
		Research in			approval, for acceptance into			Independe
REL702	702	Religion	REL	Religion	2 course.	GR	IS	nt Study
					Intensive research in specialized			
					areas. Students must submit			
		Reading &			written proposals, with faculty			
		Research in						Independe
REL703	703	Religion	REL	Religion	2 course.	GR	IS	nt Study
		Ŭ			Introduction to manual			
								Lecture/La
								b
		American Sign		Rehabilita				Combinatio
RHB101	101		RHB	tion	4 interested in learning sign	UG	LL	n
	REL701 REL702 REL703	REL687 687 REL693 693 REL694 694 REL701 701 REL702 702 REL703 703	REL687 687 Evolution, Religion and Ethics Seminar in Religion REL693 693 Existentialism REL694 694 Existentialism Reading & Research in Religion REL701 701 Reading & Research in Religion REL702 702 Reading & Research in Religion REL703 703 Reading & Research in Religion American Sign	REL679 679 Society REL Evolution, Religion and Ethics REL Seminar in Religion REL REL693 693 Reading & Research in Religion REL REL701 701 Religion REL REL702 702 Reading & Research in Religion REL REL703 703 Religion REL American Sign	REL679 679 Society REL Religion Evolution,Relig ion and Ethics REL Religion Seminar in Religion REL Religion REL693 693 Religion REL Religion REL694 694 Existentialism REL Religion REL701 701 Religion REL Religion REL702 702 Reading & Research in Religion REL703 703 Religion REL Religion REL703 703 Religion REL Religion American Sign Rehabilita	695.) Ethical responsibilities of business in light of political, moral, social, and religious considerations. Emphasis on analysis and evaluation of the changing framework of responsibilities facing both business organizations and their seponsibilities facing both business organizations and their seponsibilities facing both business organizations and their seponsibilities facing both business organizations and their seponsibilities facing both business organizations and their seponsibilities facing both business organizations and their seponsibilities facing both business organizations and their seponsibilities facing both business organizations and their seponsibilities facing both business organizations and their seponsibilities facing both business organizations and their seponsibilities facing both business organizations and their seponsibilities facing both business organizations and their seponsibilities facing both business organizations and their seponsibilities facing both business organizations and their seponsibilities facing both business organizations and their seponsibilities facing both business organizations and their seponsibilities facing both business organizations and their changing framework for responsibilities facing both business organizations and their seponsibilities of the changing farmework for exponsibilities facing both business organizations and their changing farmework in specialized areas. Students must submit written proposals, with faculty approval, for acceptance into 2 course. REL702 702 Religion REL Religion 2 course. Intensive research in specialized areas. Students must submit written proposals, with faculty approval, for acceptance into 2 course. Intensive research in specialized areas. Students must submit written proposals, with faculty approval, for acceptance into 2 course. Intensive research in specialized areas. Students must submit written proposals, with faculty approval, for acceptance into 2 course. Intensive research in specialized areas. Students must s	business in light of political, moral, social, and religious considerations. Emphasis on analysis and evaluation of the changing framework of responsibilities facing both business organizations and their such analysis and evaluation of the changing framework of responsibilities facing both business organizations and their such analysis and evaluation of the changing framework of responsibilities facing both business organizations and their such analysis and evaluation of the changing framework of responsibilities facing both business organizations and their such analysis and evaluation of the changing framework of responsibilities facing both business organizations and their such analysis and evaluation of the changing framework of responsibilities facing business organizations and their such analysis and evaluation of the changing framework of responsibilities facing business organizations and their such analysis and evaluation of the changing framework of responsibilities facing business organizations and their such analysis and evaluation of the changing framework of responsibilities facing business organizations and their such analysis and evaluation of the changing framework of responsibilities facing business organizations and their such analysis and evaluation of the changing framework of responsibilities facing business organizations and their such analysis and evaluation of the changing framework of responsibilities and evaluation of the changing framework of responsibilities and evaluation of the changing framework of responsibilities and evaluation of the changing framework of responsibilities and evaluation of the changing framework of responsibilities and evaluation of the business organizations and their such analysis and evaluation of the business organizations and their such analysis and evaluation of the business organizations and their such analysis and evaluation of the changing framework of responsibilites and evaluation of the business organizations and their such analysis and evaluation of	Part

							Continuation of the introduction			
							to manual communication for			
							professionals preparing to work			
							in rehabilitation or for anyone			
							interested in acquiring expertise			
							in the area of sign language.			
							Emphasis is on conversational			Lecture/La
							skills. Aspects of deafness are			b
			American Sign		Rehabilita		·			Combinatio
F-II 2007	DI ID100	100	American Sign	DLID		4	covered through speakers and	ш		
Fall 2007	RHB102	102	Language II	RHB	tion	4	readings.	UG	LL	n
							A continued expansion of the			
							conversational ranges and			Lecture/La
							knowledge of American Sign			b
			American Sign		Rehabilita		Language from RHB 101 and			Combinatio
Fall 2007	RHB103	103	Language III	RHB	tion	4	102. Outside activity required.	UG	LL	n
							A general introduction to the			
							philosophy, history and			
							development of rehabilitation.			
							The course familiarizes students			
							with areas to be considered			
							when providing services to			
							persons with physical/mental			
							disabilities. Students also obtain			
							an understanding of the			
			Intro to		Rehabilita		rehabilitation code of ethics and			
Fall 2007	RHB201	201	Rehabilitation	RHB	tion	4	social cultural influences.	UG	LE	Lecture
							Prepares students to locate and			
							evaluate the local, state, and			
							federal resources available to			
							meet the needs of persons with			
							disabilities. Students will visit			
							community agencies and			Lecture/La
							volunteer in a community agency			b
			Rehabilitation		Rehabilita		of their choice for a minimum of			Combinatio
Fall 2007	RHB202	202	Resources	RHB	tion	4	25 hours during the quarter.	UG	LL	n
			Writing in RHB		Rehabilita		<u> </u>			
Fall 2007	RHB202W	202W	202	RHB	tion	0		UG	LB	Lab

						This serves sometimes serves to			
						This course explores concepts,			
						social policy, and approached			
						related to alcohol and drug use			
						including the addiction process,			
						costs of abuse to the individual,			
			Intro to			family and society, and			
			Alcohol &		Rehabilita	successful approaches for			
Fall 2007	RHB210	210	Drugs	RHB	tion	4 dealing with abuse.	UG	LE	Lecture
			Writing in in		Rehabilita	Required writing component for			
Fall 2007	RHB210W	210W	RHB 210	RHB	tion	0 RHB 210.	UG	LB	Lab
						This intermediate course			
						develops grammatical and			Lecture/La
						vocabulary competency in sign			b
			American Sign		Rehabilita	formation, vocabulary,			Combinatio
Fall 2007	RHB228	228	Language IV	RHB	tion	4 morphology, syntax, and	UG	LL	n
						Higher level grammatical			
						features of American Sign			
						Language are covered to			
						enhance receptive and			
						productive mastery of its			Lecture/La
						grammar and vocabulary.			b
			American Sign		Rehabilita	Practical application of			Combinatio
Fall 2007	RHB229	229	Language V	RHB	tion	4 conversational and interactive	UG	LL	n
						Interactive scenarios mastering			
						grammar and vocabulary are			
						covered via telling life events,			
						describing events in time, asking			
						for clarification, correcting,			
						conforming, elaborating on			
						information,			Lecture/La
						agreement/disagreement			b
			American Sign		Rehabilita	resolving conflicts, and giving			Combinatio
Fall 2007	RHB230	230	Language VI	RHB	tion	4 direction.	UG	LL	n

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Fall 2007	DUDAGE	205	Sub Abuse:Soc &	DLID	Rehabilita	Provides an overview of the social, cultural, and psychophysiological effects of substance abuse. Emphasis is on alcoholism and other popular	10		Loctura
Fall 2007	RHB305	305	Hum Iss	RHB	tion	4 mind-altering drugs. Independent study in areas of	JG	LE	Lecture
						interest to students that are not			
						readily available in any existing			
						course. Topics vary. May be			
			Ind Study Min		Rehabilita	taken for letter grade or			Independe
Fall 2007	RHB370	370	Prob Rehab	RHB	tion	1	JG	IS	nt Study
						The purpose of this course is to			
						provide the student with the			
						etiology and rehabilitation			
E 11 0007	DUD 404		Intro to	5115	Rehabilita	techniques for people with	10	. –	
Fall 2007	RHB401	401	MR/DD	RHB	tion		JG	LE	Lecture
						The course will assist students to			
						develop skills in test administration, scoring,			
						interpretation, behavior			
						observation, report writing, and			
						the development of			
						comprehensive career path for			
						the individual being assessed.			
						Hands-on experience will be an			
						integral part of the course. This			
						course is a WAC course for the			
			Career		Rehabilita	rehabilitation services			
Fall 2007	RHB402	402	Assessment	RHB	tion	4 major/minor.	JG	LE	Lecture
			Writing in RHB		Rehabilita				
Fall 2007	RHB402W	402W	402	RHB	tion	0	JG	LB	Lab

							Rehabilitation community field			
							placement will assist the			
						"	ntegration of skills learned			
							throughout the program.			
							Requires 400 clock hours of field			
					Rehabilita		work supervised by faculty and			
Fall 2007	RHB403	403	Internship	RHB	tion		the agency.	UG	IN	Internship
1 411 2007	INTID403	403	пистыпр	KIID	tion		Discusses the history and current		IIV	ппетізпр
							philosophy/application of the			
							independent living movement			
			Indep				and rehabilitation technology in			
			Liv/Rehab		Rehabilita		rehabilitation services. Process			
Fall 2007	RHB404	404	Tech	RHB	tion		will be addressed in this course.	UG	LE	Lecture
raii 2007	КПБ404	404	recn	КПВ	UOH			UG	LE	Lecture
							Focuses on the development of basic skills and attitudes			
							associated with rehabilitation			
							counseling. Interview style and			
							format are examined along with			
			D: (D)		5 1 1 1111		istening and responding			
- u 0007	DI ID 407	407	Prin of Rehab	51.15	Rehabilita		techniques associated with			
Fall 2007	RHB407	407	Counseling	RHB	tion		holistic approaches.	UG	LE	Lecture
							This course is designed to			
							ntroduce students to the social,			
							culteral, and linguistic history of			
							the deaf community in the			
			Comm Aspects		Rehabilita		United States. Off campus field			
Fall 2007	RHB408	408	of Deafness	RHB	tion		experience is required.	UG	LE	Lecture
							To develop a broader			
							understanding of the			
							psychological, medical, social,			
						i	and vocational concerns of			
						ļ	nearing impaired individuals.			
							Focus will be upon acquiring			
						I	basic counseling skills, medical			
			Cnl Aspects of		Rehabilita		aspects of hearing, and			
Fall 2007	RHB410	410	Deafness	RHB	tion	4 8	attitudinal barriers.	UG	LE	Lecture

						This course is designed to
						familiarize students with the
			Phy Dis and			interaction of physical disabilities
			Human		Rehabilita	and human behavior.
Fall 2007	RHB411	411	Behavio	RHB	tion	4 Appropriate group approaces will UG LE Lecture
						A course in death, dying, and
						grieving for health educators
						who deal with grief and loss in
						situations such as death, dying,
						survivorship, children and loss,
			Death, Dying		Rehabilita	second marriages, suicide, and
Fall 2007	RHB432	432	& Grieving	RHB	tion	3 other events of trauma. UG LE Lecture
						Special workshop courses to
						meet the needs of in-service
						rehabilitation professionals as
						well as providing courses on a
						one-time basis to meet special
					Rehabilita	interests. May be taken for letter
Fall 2007	RHB470	470	Special Topics	RHB	tion	1 grade or pass/unsatisfactory. UG LE Lecture
						Workshop courses to meet the
						needs of in-service rehabilitation
						professionals as well as providing
			Workshop in		Rehabilita	courses on a one-time basis to
Fall 2007	RHB670	670	Rehab	RHB	tion	1 meet special interest needs. GR LE Lecture
						Introduces rehabilitation. Topics
						include history, philosophy,
						legislative bases, organizational
						structures, rehabilitation process
						and procedures, public and
						private sectors of rehabilitation,
			Foundations of		Rehabilita	rehabilitation agencies, and
Fall 2007	RHB700	700	Voc Rehab	RHB	tion	4 professional issues and ethics. GR LE Lecture

						Surveys the major theories of	
						counseling and provides	
						opportunities to develop the	
						basic skills associated with the	
							.mo/lo
							ıre/La
			0.1.71		5 1 1 1111	addresses the key philosophical b	
- U 0007	DUDZO4	704	Cnl Theory	D D	Rehabilita		oinatio
Fall 2007	RHB701	701	and Practice	RHB	tion	1 with the counseling profession. GR LL n	
						Necessary terminology and	
						knowledge of disabilities and	
						disorders for understanding and	
						interpreting medical reports.	
						Symptomology, treatment,	
						functional limitations, and other	
						management aspects of specific	
						disabilities encountered in the	
			Medical		Rehabilita	course of employment are	
Fall 2007	RHB702	702	Assessment	RHB	tion	1 covered. Titles vary. GR LE Lectu	ıre
						Psychological issues associated	
						with specific disabling conditions.	
						An in-depth review of the Lectu	ıre/La
			Psy			general adjustment process to b	
			Adjust:Severe		Rehabilita	disability and definitions of Comb	oinatio
Fall 2007	RHB704	704	Disabil	RHB	tion	1 normality and abnormality. GR LL n	ļ
						Surveys psychological tests and	
						measurements with emphasis on	
						attitude, interest, vocational, and	
							ıre/La
						of basic principles and their b	ļ
			Behavioral		Rehabilita		oinatio
Fall 2007	RHB705	705	Assessment	RHB	tion	1 various settings are stressed. GR LL n	

Fall 2007	RHB707	707	Med Assessment Chem Dep	RHB	Rehabilita tion	Terminology and knowledge of medical and pyschological processess associated with the use of alcohol and drugs. Identification and implementation of current intervention strategies utilized in the planning and treatment of 4 chemical dependency are GR LE Lecture
			Vocatni Eval &		Rehabilita	The history, philosophy, theoretical basis, goals, function, and scope of vocational evaluation. Theories and principles concerning work and career development are also
Fall 2007	RHB711	711	Job PI Tec Industrial	RHB	tion Rehabilita	1 explored. GR LE Lecture Familiarizes rehabilitation professionals and students with industrial rehabilitation (IR), and how IR programs assist in the successful placement of people
Fall 2007	RHB712	712	Rehabilitation	RНВ	tion	Familiarizes rehabilitation professionals and students with the available legislated and regulatory work incentives, and how they assist in the placement of people with disabilities. Includes the following programs: Social Security Act (SS), state and federal Workers Compensation, Targeted Job Tax
Fall 2007	DUD714	714	Work	DLID	Rehabilita	Credit (TJTC), and various
Fall 2007	RHB714	714	Incentive	RHB	tion	1 personal insurance (LTDD, STD, GR LE Lecture

			Employmnt		Rehabilita	Familiarizes rehabilitation professionals and students with the concept of Supported Employment including definition, worker identification, learning styles, worksite and task analysis, development and implementation of skill training and support services; and demonstrates how Supported Employment is used in
Fall 2007	RHB716	716	Spec Trng	RHB	tion	3 placement of people with GR LE Lecture
			Devel Relat		Rehabilita	Exposes rehabilitation professionals and students to the philosophy and practices of business and industry; incorporates specific skill competencies in job development and job placement in working with business and industry; and demonstrates how these skills assist in enhancing employment opportunities and
Fall 2007	RHB718	718	w/Bus&Ind Case	RHB	tion Rehabilita	5 job placement of people with GR LE Lecture Develops specific case management skills in diagnosis, information processing planning, service arrangement, program monitoring, and job placement. Emphasis on case management techniques, ethics, consultation strategies, and specialized
Fall 2007	RHB720	720	Management in VR	RHB	tion	4 counseling skills development. GR LE Lecture

						Study of processes, principles,			
						and techniques used to			
						determine and predict work			
						behavior and vocational			
			D		Dalaalailita	potential. Consideration is given			
E 11 0007	DUDZO4	704	Prog Aspects	DUD	Rehabilita	to adapting assessment tools	0.0	. =	
Fall 2007	RHB721	721	Vocation Eva	RHB	tion 5	and systems to clients' needs.	GR	LE	Lecture
						Addresses the sociocultural			
						influences associated with			
						chemical dependency. Examines			
						models of drug and alcohol use			
						and the personal evolution of			
						chemical dependency, and the			
						ethical and legal ramifications			
			Epidemiology		Rehabilita	germane to work in the drug-			
Fall 2007	RHB730	730	Chemical Dep	RHB	tion	abuse field.	GR	LE	Lecture
						The theory and practice of a			
						variety of treatment modalities,			
						including in-patient and out-			
						patient approaches, family			
						interventions, and group			
						techniques. Emphasizes systems			
						approaches and holistic			
						intervention strategies. Also			
			Treatment			covers self-help groups such as			
			Chemical		Rehabilita	Alcoholics Anonymous and Al-			
Fall 2007	RHB731	731	Depend	RHB	tion	Anon.	GR	LE	Lecture
						Independent study in areas of			
						interest to students but not			
			Independent		Rehabilita	readily available in any existing			Independe
Fall 2007	RHB770	770	Reading	RHB	tion	course.	GR	IS	nt Study

							Students spend approximately			
							twenty to thirty hours per week			
							in a selected rehabilitation			
							setting performing assigned			
							entry-level work consistent with			
							•			
					Rehabilita		the integration of skills,			
Fall 2007	RHB801	801	Intornobin I	DLID		2	attitudes, and knowledge of	CD	IN	Intornohin
Fall 2007	KHB801	801	Internship I	RHB	tion		rehabilitation counseling.	GR	IIN	Internship
							Culminating integrative			
							experience for graduate			
							rehabilitation counseling			
							students. Students spend from			
							twenty to thirty hours per week			
							in a rehabilitation setting			
							providing professional-level			
					Rehabilita		rehabilitation counseling and			
Fall 2007	RHB802	802	Internship II	RHB	tion	1	services to severely disabled	GR	IN	Internship
							Interpretation of evaluation data			
							to client, rehabilitation			
							personnel, and facility staff.			
							Attention is given to vocational			
			Use Interp		Rehabilita		counseling, staff conferences,			
Fall 2007	RHB811	811	Vocation Eval	RHB	tion	5	report writing, and follow-up.	GR	LE	Lecture
							Provides counseling experience			
							in which students, under			
							supervision, actually counsel			
							individuals with rehabilitation			
			Rehab				concerns including vocational,			
			Counseling		Rehabilita		educational, medical,			
Fall 2007	RHB865	865	Pract	RHB	tion	4	psychosocial, and personal	GR	IN	Internship
							Supervised practical experience			
							in a Vocational Evaluation unit.			
							The student will concurrently			
							spend two hours/week in			
			Internship		Rehabilita		Organization and Management of			
Fall 2007	RHB873	873	Vocation Eval	RHB	tion	15	VE units seminar.	GR	IN	Internship

			Davis and G			Examines the development of Japanese civilization, covering topics such as the cultural and physical geography, the economic and political institutions, traditions and their effects on behavior, appreciation			
Fall 2007	RST261	261	Regional St: Japan	RST	Regional Studies	of nature as well as the visual 4 and performing arts.	UG	LE	Lecture
1 411 2007	NSTZUT	201	Writing in RST	I/O I	Regional	4 and performing arts.	00	LL	Lecture
Fall 2007	RST261W	261W	261	RST	Studies	0	UG	LB	Lab
			Regional		Regional	Introduction to the historical, cultural, economic, and political reality of the world's most populous country, highlighting the cultural contributions of China's rich history, not only in the creation of modern Chinese culture but its impact on other			
Fall 2007	RST262	262	Studies: China	RST	Studies	4 cultures.	UG	LE	Lecture
Fall 2007	RST262W	262W	Writing in RST 262	RST	Regional Studies	Required writing component for 0 RST 262. Introduction to African	UG	LB	Lab
			Regional		Regional	environments; diversity of cultural heritages; changes due to modernization; colonialism, slavery, and independence; a brief survey of the relations of Africa to other non-Western regions; and the contribution of			
Fall 2007	RST271	271	Studies: Africa	RST	Studies	4 Africa to world civilization.	UG	LE	Lecture
			Writing in RST		Regional	Required writing component for			
Fall 2007	RST271W	271W	271	RST	Studies	0 RST 271.	UG	LB	Lab

							Survey of non-Western societies including Indians, mestizos,			
							blacks, and the peasantry, from			
							pre-Columbian and African			
							origins to the present, in terms			
			Regional				of ideology, organization, social			
			Studies:Latin		Regional		structure, culture, and economic			
Fall 2007	RST281	281	America	RST	Studies	4	activities.	UG	LE	Lecture
	110120		Writing in RST		Regional		Required writing component for			
Fall 2007	RST281W	281W	281	RST	Studies	0	RST 281.	UG	LB	Lab
							Introduction to the history,			
							peoples, cultures, and geography			
			Regional				of the Middle East from			
			Studies:		Regional		Mauritania to Pakistan from the			
Fall 2007	RST291	291	Middle East	RST	Studies	4	seventh century to the present.	UG	LE	Lecture
			Writing in RST		Regional		Required writing component for			
Fall 2007	RST291W	291W	291	RST	Studies	0	RST 291.	UG	LB	Lab
							Study of vocabulary and			
							structure of the Russian			
			First Year				language; practice in			
Fall 2007	RUS101	101	Russian	RUS	Russian	4	conversation, reading, and	UG	LE	Lecture
							Study of vocabulary and			
							structure of the Russian			
			First Year				language; practice in			
Fall 2007	RUS102	102	Russian	RUS	Russian	4	conversation, reading, and	UG	LE	Lecture
							Study of vocabulary and			
							structure of the Russian			
			First Year				language; practice in			
Fall 2007	RUS103	103	Russian	RUS	Russian	4	conversation, reading, and	UG	LE	Lecture
							Grammar review, reading, and			
			Second Year				discussion of selected texts with			
Fall 2007	RUS201	201	Russian	RUS	Russian	4	1 3 3	UG	LE	Lecture
							Grammar review, reading, and			
			Second Year				discussion of selected texts with			
Fall 2007	RUS202	202	Russion	RUS	Russian	4	practice in speaking and writing.	UG	LE	Lecture
							Grammar review, reading, and			
	Bulgage		Second Year	5110		_	discussion of selected texts with			
Fall 2007	RUS203	203	Russian	RUS	Russian	4	practice in speaking and writing.	UG	LE	Lecture

			Studies in				Problems, approaches, and			
			Selected				topics in the field of Russian.			Independe
Fall 2007	RUS599	599	Subjects	RUS	Russian	4	Topics vary.	GR	IS	nt Study
					Study					
					Abroad					
			British Film		Consortiu					
Fall 2007	SAC101	101	and Literature	SAC	m	4.5		UG	LE	Lecture
					Study					
					Abroad					
			Intermediate		Consortiu					
Fall 2007	SAC200	200	Spanish I	SAC	m	4.5		UG	LE	Lecture
					Study					
					Abroad					
			Spanish		Consortiu					
Fall 2007	SAC300	300	Composition	SAC	m	4.5		UG	LE	Lecture
							Study of the field of linguistics,			
							particularly areas of phonology			
							and morphology. Compares and			
							contrasts ASL with English and			
					Sign		other signed and spoken			
					Language		languages. Languages are			
			Linguistics in		Interpreti		analyzed to discover their			
Fall 2007	SLI310	310	ASL I	SLI	ng	4	patterns and structures.	UG	LE	Lecture
					Sign					
					Language					
			Writing in SLI		Interpreti					
Fall 2007	SLI310W	310W	310	SLI	ng	0		UG	LB	Lab
							Enhancement of the ability to			
							produce an equivalent message,			
					Sign		working simultaneously between			
					Language		the source and target languages			
					Interpreti		of ASL and English, focusing on			
Fall 2007	SL1320	320	Interpreting I	SLI	ng	4	text analysis and self-evaluation.	UG	LE	Lecture

Fall 2007	SL1330	330	Transliterating	SLI	Sign Language Interpreti ng	Enhancement of the ability to produce an equivalent message, working simultaneously between the source and target languages of signed and spoken English, focusing on text analysis and self-evaluation. Course focuses on Code of	UG	LE	Lecture
Fall 2007	SL1340	340	Legal/Ethical Interpret	SLI	Sign Language Interpreti ng	Ethics, standards of practice, legal rights, federal legislation impacting the Deaf and givernmental agencies, public 4 services, and private services	UG	LE	Lecture
Fall 2007	SL1360	360	Educational Interpreting	SLI	Sign Language Interpreti	Types of educational settings for the Deaf or hard-of-hearing students K-12 and post secondary are presented. Communication, social and academic aspects are 4 considered. IEP process is	UG	LE	Lecture
Fall 2007	SL1370	370	Interpret	SLI	Sign Language Interpreti ng	Exposes students to the technological advances used as means for communication within the Deaf community. Students will explore the historical and current trends in technology as it applies to the field of	UG	LE	Lecture
Fall 2007	SL1380	380	Deaf-Blind Lang/Culture	SLI	Sign Language Interpreti	Overview of necessary skills and role of the interpreter when working with individuals who are Deaf-Blind. Focus on etiology of deaf-blindness and its impact on communication. Introduction to basic sighted guide techniques.	UG	LE	Lecture

Fall 2007	SL1381	381	Interpret Mental HIt Set	SI I	Sign Language Interpreti	An introduction to mental health interpreting will prepare Interpreters to work with Deaf clients, providing appropriate and culturally affirming services, promote teamwork and understanding of mental health service providers and improve 4 individual interpreting skills. UG LE Lecture
			Feedback		Sign Language Interpreti	Students will explore the process of self-development to maintain good relationships with their ASL interpreting colleagues. Hands-on practice includes learning the cognitive and emotional strategies when providing and receiving feedback in any
Fall 2007	SL1382	382	Tech for SLI Trends in Deaf		Sign Language Interpreti	4 interpreting situation. This course examines trends pertaining to Deaf and hard-of- hearing poplutions. Issues may include deaf education, language and literacy, sports,
Fall 2007 Fall 2007	SL1390 SL1390W	390 390W	Culture Writing in SLI 390	SLI SLI	ng Sign Language Interpreti ng	4 organizations and cochlear UG LE Lecture 0 UG LB Lab
Fall 2007	SLI410	410	Linguistics in ASL II	SLI	Sign Language Interpreti	Overview of the use of space, nonmanuals, syntax, discourse and sociolinguistics. Linguistic analysis of American Sign 4 Language and spoken UG LE Led Led LE Led Led LE Lecture

						Enhancement of ability to			
						produce an equivalent message,			
						working simultaneously between			
						the source and target languages			
					Sign	of ASL and English, focusing on			
					Language	team interpreting working			
					Interpreti	lengthy segments of discourse,			
Fall 2007	SL1420	420	Interpreting II	SLI	ng .	4 and settings with multiple	UG	LE	Lecture
						Enhancement of ability to			
						produce an equivalent message,			
						working simultaneously between			
						the source and target languages			
						of signed and spoken English,			
					Sign	focusing on team interpreting,			
					Language	working lengthy segments of			
			Transliterating		Interpreti	discourse, and settings with			
Fall 2007	SLI430	430	П	SLI	ng	4 multiple consumers.	UG	LE	Lecture
						Specialty settings on medical,			
						mental, health, legal, Deaf-Blind,			
						and oral interpreting will be			
						covered. Discussions include			
						ethical decision making,			
						specialized vocabulary and legal			
					Sign	ramifications. Students will			
					Language	demonstrate specialized			
			Interpreting		Interpreti	vocabulary and sign			
Fall 2007	SLI440	440	Specialties	SLI	ng	4 competencies.	UG	LE	Lecture
						Students advance their skills in			
						producing equivalent spoken			
						English messages from signed			
						sourse messages in a variety of			
						registers. Continuation of English			
					Sign	vocabulary development, ASL			
					Language	vocabulary, interpreting analysis			
			Voicing		Interpreti	skills, and strategies for team			
Fall 2007	SL1480	480	Registers	SLI	ng	4 interpreting.	UG	LE	Lecture

							Student will identify a			
							community/professional need,			
							develop and implement a project			
							plan to benefit the community			
					Sign		and/or profession. Student			
					Language		conducts a critical self-			
			Sr Enrichment		Interpreti		assessment and demonstrates			
Fall 2007	SL1490	490	Project	SLI	ng		appreciation for lifelong learning.	UG	SE	Seminar
			,				Course addresses physical and			
							natural sciences through a			
							number of interdisciplinary			
							thematic units emphasizing			
							development of practical and			
					Science		critical thinking skills needed to			
			Science		and		perform scientific inquiry; will			
			Thought &		Mathemat		use similar techniques to			
Fall 2007	SM101	101	Method	SM	ics	4	strengthen math skills.	UG	LE	Lecture
							This course provides Early-			
							Childhood Education majors with			
							a firm foundation in science			
							concepts and processes, skills in			
					Science		problem solving and critical			
					and		analysis, and an understanding			
			Foundations		Mathemat		of constructivist, cooperative			
Fall 2007	SM144	144	Physical Sci	SM	ics	4.5	classroom environments.	UG	LE	Lecture
							Fundamental concepts in science			
							treated in an interdisciplinary			
							way and integrated with			
							mathematics. Emphasis on			
							development on science process			
					Science		skills and problem-solving			Lecture/La
					and		abilities. Introductory experience			b
			Found Sci Lit		Mathemat		to a constructivist and			Combinatio
Fall 2007	SM145	145	& Prob Solv	SM	ics	3	cooperative learning	UG	LL	n
					Science					
					and					
			Writing in SM		Mathemat		Required writing component for			
Fall 2007	SM145W	145W	145	SM	ics	0	SM 145.	UG	LB	Lab

						Introduces students to			
						curriculum, activities, services,			
						and associations within the			
						College of Science and			
						Mathematics. Emphasis is placed			
					Science	on developing study skills, critica			
			latro to		and		l		
			Intro to			thinking processes, and career			
F 11 0007	014400	400	Science &	C1.4	Mathemat	preparation in science and math.		0.5	
Fall 2007	SM198	198	Mathematics	SM	ics	2 Graded pass/unsatisfactory.	UG	SE	Seminar
						Course offers challenging			
						opportunities to participate in			
						Mathematics, Biological Sciences,			
						Chemistry, Geological Sciences,			
						Physics and Psychology to			
						academically talented students.			
					Science	Students work in small study			
			Topics in		and	groups which allows personal			
			Science &		Mathemat	interaction with university			Independe
Fall 2007	SM199	199	Math	SM	ics	2 research professors.	UG	IS	nt Study
						Serves as a foundation for other			
					Science	science courses; introducing			
					and	unifying concepts and principles			
			Great Ideas in		Mathemat	in the natural sciences; 4 hrs.			
Fall 2007	SM205	205	Science	SM	ics	4 lecture.	UG	LE	Lecture
					Science				
					and				
			Writing in SM		Mathemat				
Fall 2007	SM205W	205W	205	SM	ics	0	UG	LB	Lab
						An exercise in the application of			
						data collection and analysis to an			
						assigned small group project,			
					Science	reflecting aspects of the four			Lecture/La
					and	basic sciences.			b
			Projects in		Mathemat	1 hour meeting and outside			Combinatio
Fall 2007	SM445	445	Science	SM	ics	3 project.	UG	LL	n

							Using a variety of resources,			
							including the course website,			
							students will individually design,			
					Science		implement an extended scientific			Lecture/La
					and		investigation into one of the four			b
			Projects in		Mathemat		basic science areas. Prerequisite			Combinatio
Fall 2007	SM446	446	Science II	SM	ics	2	SM 445 or Instructor Permission.	LIC	LL	n
Fall 2007	3111440	440	Science II	SIVI	Science	<u> </u>	3W 443 OF HISTIUCION PERMISSION.	UG	LL	11
					and					
			Writing in SM		Mathemat					
Fall 2007	SM446W	446W	446	SM		0		UG	LB	Lab
Fall 2007	3IVI440VV	44000	440	SIVI	ics	U	An exercise in the application of	UG	LD	Lab
					Science		• •			Looturo/Lo
							data collection and analysis to an			Lecture/La
			Dunianta in		and		assigned small group project,			b
F-II 2007	CNA/ AF	, 4F	Projects in	CNA	Mathemat	2	reflecting analysis of the four	CD		Combinatio
Fall 2007	SM645	645	Science I	SM	ics	3	basic sciences.	GR	LL	n
							Using a variety of resources,			
					0 1		including the course website,			
					Science		students will individually design			Lecture/La
					and		and implement and extended			b
- II 0007	0.1444		Projects in	0.4	Mathemat		scientific investigation into one	0.0		Combinatio
Fall 2007	SM646	646	Science II	SM	ics	3	of the four basic science areas.	GR	LL	n
					Science					
					and					
			Writing in SM		Mathemat					
Fall 2007	SM646W	646W	646	SM	ics	0		UG	LB	Lab
			Women's		Multi					
			Reproductive		Communit					
Fall 2007	SMC804	804	Health	SMC	y Health	8		MD	CL	Clinical
										Lecture/La
					Multi					b
			Human		Departme					Combinatio
Fall 2007	SMD510	510	Structure	SMD	nt SOM	11		MD	LL	n
			Intro to		Multi					
			Clinical		Departme					
Fall 2007	SMD512	512	Medicine I	SMD	nt SOM	7		MD	LE	Lecture

					Multi					
			Human		Departme					
Fall 2007	SMD513	513	Development	SMD	nt SOM	1		MD	LE	Lecture
					Multi					
			Social/Ethical		Departme					
Fall 2007	SMD524	524	Issues in Med	SMD	nt SOM	2)	MD	LE	Lecture
					Multi					
			Principles of		Departme					
Fall 2007	SMD530	530	Disease	SMD	nt SOM	10)	MD	LE	Lecture
					Multi					
			Population		Departme					
Fall 2007	SMD533	533	Health	SMD	nt SOM	1		MD	LE	Lecture
			Evidence-		Multi					
			Based		Departme					
Fall 2007	SMD534	534	Medicine	SMD	nt SOM	1		MD	LE	Lecture
					Multi					
			Pathobiology/		Departme					
Fall 2007	SMD535	535	Therapeutics	SMD	nt SOM	3	3	MD	LE	Lecture
					Multi					
E !! 0007	01.15.5.14		Medical	01.15	Departme				. –	
Fall 2007	SMD541	541	Neuroscience	SMD	nt SOM	6.75)	MD	LE	Lecture
			Latar to		Multi					
F-II 2007	CMDE 40	E 40	Intro to	CMD	Departme	10		MD		Lastina
Fall 2007	SMD542	542	Clinical Med II	SMD	nt SOM	18	3	MD	LE	Lecture
					Multi					
Fall 2007	SMD543	543	Cardiovascular	CMD	Departme nt SOM	3.75		MD	LE	Lecture
Fall 2007	SIVID343	543	Cardiovasculai	SIVID	Multi	3.75)	IVID	LE	Lecture
Fall 2007	SMD551	551	Blood	SMD	Departme nt SOM	2.25		MD	LE	Lecture
1 411 2007	SIVIDUUTI	JJ 1	DIOOG	JIVID	Multi	2.20		IVID	LL	Lecture
					Departme					
Fall 2007	SMD552	552	Respiratory	SMD	nt SOM	2.25	5	MD	LE	Lecture
1 411 2007	JIVIDUUZ	002	Respiratory	SIVID	Multi	2.20		IVID		Lociulo
			Gastrointestin		Departme					
Fall 2007	SMD553	553	al	SMD	nt SOM	2.25		MD	LE	Lecture
2007	31112000	500	31	~.V.D				5		20010.0

					Multi				
					Departme				
Fall 2007	SMD554	554	Renal	SMD	nt SOM	2.25	MD	LE	Lecture
					Multi				
			Endocrine/Rep		Departme				
Fall 2007	SMD561	561	roduction	SMD	nt SOM	3.75	MD	LE	Lecture
					Multi				
			Musculoskelet		Departme				
Fall 2007	SMD563	563	al/Integument	SMD	nt SOM	2.25	MD	LE	Lecture
									Lecture/La
			Molecular		Multi				b
			Basis of		Departme				Combinatio
Fall 2007	SMD571	571	Medicine	SMD	nt SOM	20	MD	LL	n
									Lecture/La
			Cells/Tissues/		Multi				b
			Organ		Departme				Combinatio
Fall 2007	SMD572	572	Systems	SMD	nt SOM	10	MD	LL	n
			Human		Multi				
			Systems I		Departme				
Fall 2007	SMD591	591	Exam	SMD	nt SOM	4.75	MD	OT	Other
			Human		Multi				
			Systems II		Departme				
Fall 2007	SMD593	593	Exam	SMD	nt SOM	4.75	MD	OT	Other
			Student-		Multi				
			Initiated		Departme				
Fall 2007	SMD600	600	Elective	SMD	nt SOM	2	MD	LE	Lecture
					Multi				
			Doctor/Patient		Departme				
Fall 2007	SMD606	606	Illness/Death	SMD	nt SOM	2	MD	LE	Lecture
			Clinical		Multi				
			Problem-		Departme				
Fall 2007	SMD609	609	Based Learn	SMD	nt SOM	2	MD	LE	Lecture
			Multipro		Multi				
			Comm-Based		Departme				
Fall 2007	SMD610	610	Pri Care	SMD	nt SOM	2	MD	LE	Lecture
			Ped		Multi				
			Hlth/Urban		Departme				
Fall 2007	SMD611	611	Environ	SMD	nt SOM	2	MD	LE	Lecture

					Multi					
			GLOBAL HLTH		Departme					
Fall 2007	SMD612	612	INITIATIVE	SMD	nt SOM	2		MD	OT	Other
			Student-		Multi					
			Initiated		Departme					
Fall 2007	SMD800	800	Elective	SMD	nt SOM	4		MD	CL	Clinical
					Multi					
			Ambulatory		Departme					
Fall 2007	SMD802	802	Med/Peds	SMD	nt SOM	8		MD	CL	Clinical
					Multi					
					Departme					
Fall 2007	SMD900	900	Extramural	SMD	nt SOM	4		MD	Н	Hospital
					Multi					
					Emergenc					
			Global Health		У					
Fall 2007	SME801	801	Swaziland	SME	Medicine	8		MD	CL	Clinical
							Introduction to the processes			
							through which individuals			
							become members of groups,			
							organizations, institutions, and			
							societies, and how human social			
							interactions lead to changes in			
Fall 2007	SOC200	200	Social Life	SOC	Sociology	4	social life and structures.	UG	LE	Lecture
			Writing in SOC				Required writing component for			
Fall 2007	SOC200W	200W	200	SOC	Sociology	0	SOC 200.	UG	LB	Lab
							Problems facing modern society			
							and possible solutions.			
							Exploration of such questions as:			
							What is the nature of modern			
							society? How are modern			
			Modern				political, economic, and			
Fall 2007	SOC201	201	Society	SOC	Sociology	4	educational systems organized?	UG	LE	Lecture

						Designed to help students think			
						about their futures, become			
						familiar with career options,			
						relate theoretical work to			
			Sociology			practical concerns, and plan their			
			Career			course work with an awareness			
Fall 2007	SOC204	204	Seminar	SOC	Sociology	2 of postgraduate needs.	UG	LE	Lecture
			Writing in SOC						
Fall 2007	SOC204W	204W	204	SOC	Sociology	0	UG	LB	Lab
						Students will examine a variety			
						of approaches and perspectives			
						that systematically analyse			
			The			complex individual and			
			Sociological			institutional behaviors as they			
Fall 2007	SOC205	205	Imagination	SOC	Sociology	4 vary culturally, subculturally, and	UG	LE	Lecture
						SIMSOC is a learning game			
						designed to supplement the			
						materials covered in introductory			
						sociology courses. The game			
						involves students as members of			
						a simulated society. May be			
						taken for letter grade or			
						pass/unstisfactory.			
			Simulated			Prerequisite or corequisite: Soc			
Fall 2007	SOC210	210	Society	SOC	Sociology	2 200	UG	LE	Lecture
						Builds on experience of			
						Simulated Society and analyzes			
						societal processess; small group			
						interaction stratification,			
						leadership roles, political and			
						economic philosophies; and			
						minority relations. Students			
						simulate a society and analyze			
						experience. May be taken for			
						letter grade or			
						pass/unsatisfactory.			
			Simulated			Prerequisite: Soc 210			
Fall 2007	SOC220	220		SOC	Sociology	2	UG	LE	Locturo
raii 2007	300220	220	Society II	300	Sociology	۷	UG	LE	Lecture

			Exploring				Focuses on specific social			
Fall 2007	SOC221	221	Social Issues	SOC	Sociology	4	problems. Topics vary.	UG	LE	Lecture
							Defines violence, explores			
							patterns at individual and group			
							levels, and examines			
							explanations for change in			
							quantity and intensity. Areas			
							covered include criminal			
							violence, domestic violence,			
Fall 2007	SOC231	231	Violence	SOC	Sociology	4	rape, homicide, and genocide.	UG	LE	Lecture
							Study of social welfare and social			
							services in society; introduction			
							to generalist social work			
			Soc Welf &				practice; continued career			
Fall 2007	SOC271	271	Soc Services	SOC	Sociology	4	testing. Agency-based field	UG	LE	Lecture
							Course focuses upon the			
							development of conceptual			
							models used to analyze and			
			Sociological				interpret data in the social			
Fall 2007	SOC300	300	Analysis	SOC	Sociology	4	sciences.	UG	LE	Lecture
							Historical study of the			
							emergence and development of			
							sociological thought from Adam			
							Ferguson and Montesquieu			
			History				through the 19th century;			
			Sociological				emphasis on the basic writings of			
Fall 2007	SOC301	301	Thought	SOC	Sociology	4	Comte, Spencer, Marx, and	UG	LE	Lecture
							Analyzes contemporary			
							sociological theory (structural			
							functionalism, symbolic			
							interactionism, critical theory,			
							and phenomenological theory)			
							with a focus on the			
			Contemporary				interpretation of society and on			
Fall 2007	SOC303	303	Soc Theory	SOC	Sociology	4	major figures of the 20th century	UG	LE	Lecture
Fall 2007	SOC303W	303W	Writing in SOC	SOC	Sociology	0		UG	LB	Lab

Fall 2007	SOC306	306	Intro to Research Methods	SOC	Sociology	Philosophical and applied issues of sociological investigation. Various means of collecting 4 sociological data are analyzed.	UG	LE	Lecture
1 411 2007	30000	000	Writing in SOC		cociology	Required writing component for			Locture
Fall 2007	SOC306W	306W	306	SOC	Sociology	0 SOC 306.	UG	LB	Lab
	SOC310		Sociology of	SOC		Introduces the theoretical and conceptual underpinnings of women's studies through exploring the changing historical, cultural, and social expressions of gender. Also examines social roles, institutions, policies, and movements which affect women. Philosophical and applied issues of sociological investigation. Various means of collecting sociological data are	UG	LE	
Fall 2007	300310	310	Gender	300	Sociology	4 analyzed. Students are	UG	LE	Lecture
			Intensive Alcohol Ed			observer/participants in the intensive alcohol education program which presents individuals with factual material about the effect of substance abuse, both physically and socially, so that they can make knowledgeable decisions about their usage. Graded			
Fall 2007	SOC313	313	Program	SOC	Sociology	1 pass/unsatisfactory.	UG	LE	Lecture

						Participant observation of the	
						intervention and treatment of	
						drug and alcohol problems	
						including therapy and counseling	
						groups, client/therapist contact,	
						and professionals practicing	
							ıre/La
			Drug &			techniques. May be taken for b	
			Alcohol Interv				oinatio
Fall 2007	SOC315	315	Workshop	SOC	Sociology	3 pass/unsatisfactory. UG LL n	
					33	Extensive exploration of the	
						various sociological approaches	
						to the study of deviance and	
			Sociology of			social disorganization with	
			Deviant			emphasis on contemporary	
Fall 2007	SOC320	320	Behavior	SOC	Sociology	4 sociological theory and research. UG LE Lectu	ire
						Survey of crime, some causal	
						theories, and attempts at crime	
Fall 2007	SOC330	330	Criminology	SOC	Sociology	4 prevention in the United States. UG LE Lectu	ıre
						Problems of definition and	
						treatment of delinquency.	
			Juvenile			Preparation for further study and	
Fall 2007	SOC332	332	Delinquency	SOC	Sociology	4 work with delinquents. UG LE Lectu	ire
						Theories and analysis of social	
						organization in its historical and	
						present context. Emphasis on	
						the interrelationship between	
			Social			individuals, the family, and other	
Fall 2007	SOC340	340	Organization	SOC	Sociology	4 institutions. UG LE Lectu	re
						Structures, theories, and	
						consequences of social inequality	
L			Social			with special emphasis on the	
Fall 2007	SOC341	341	Inequality	SOC	Sociology	4 United States. UG LE Lectu	re

						Introduction to factors			
						influencing the structure and			
						growth of human populations			
						and the social consequences of			
						population change. Patterns of			
						fertility, mortality, and migration			
			Demography			in today's societies are			
			of Human			emphasized, and methods and			
Fall 2007	SOC342	342	Population	SOC	Sociology	4 materials used to study	UG	LE	Lecture
						Explanations of social change in			
						modern societies. Emphasis on			
						identification of sources of			
						change, effects of change			
						throughout society, major			
Fall 2007	SOC345	345	Social Change	SOC	Sociology	4 trends, and issues for the future	UG	LE	Lecture
						Investigation, analysis, and			
						discussion of contemporary			
						theories focusing on the			
			Sociology of			relationship of the individual to			
Fall 2007	SOC350	350	Work	SOC	Sociology	4 work.	UG	LE	Lecture
						Sociological analysis of family			
						development over its life cycle.			
						Involved is the relationship of			
						the family to society and the			
						individual. Topics include			
			Sociology of			courtship, marriage, parenthood	,		
Fall 2007	SOC360	360	the Family	SOC	Sociology	4 adulthood, and aging.	UG	LE	Lecture
			Writing in SOC			Required writing component for			
Fall 2007	SOC360W	360W	360	SOC	Sociology	0 SOC 360.	UG	LB	Lab
						(Also listed as REL 361.) General			
						treatment of religion as a social			
						institution examining the			
						influence of religious ideas and			
						organizations on other social			
			Religion and			institutions, and the influence of			
Fall 2007	SOC361	361	Society	SOC	Sociology	4 society on religion.	UG	LE	Lecture

						School as a social institution.			
						Internal and external influences,			
						structure of the school social			
						system, and sociological issues			
						affecting the school such as			
			Sociology of			social class factors and equality			
Fall 2007	SOC363	363	Education	SOC	Sociology	4 of educational opportunity.	UG	LE	Lecture
						Interaction between society and			
						the individual, forms and content			
						of social relationships, and			
						socialization as a social process.			
			Individual and			Emphasis in the basic writings of			
Fall 2007	SOC380	380	Society	SOC	Sociology	4 G. H. Mead and others.	UG	LE	Lecture
			Directed		33	Readings in areas of specialized			
			Readings in			interest. May be taken for letter			
Fall 2007	SOC390	390	Sociology	SOC	Sociology	2 grade or pass/unsatisfactory.	UG	LE	Lecture
			Studies in			Problems, approaches, and			
			Selected			topics in the field of sociology.			
Fall 2007	SOC399	399	Subjects	SOC	Sociology	1 Topics vary	UG	LE	Lecture
			Writing in SOC						
Fall 2007	SOC399W	399W	399	SOC	Sociology	0	UG	LB	Lab
			Selected			Variable content. Specific topics			
			Topics:Theory-			will be announced in the			
Fall 2007	SOC401	401	Methods	SOC	Sociology	4 schedule when course is offered.	UG	LE	Lecture
						An in-depth analysis of selected			
						topics in sociological theory for			
						advanced students, especially			
						those contemplating graduate			
			Seminar in Soc			study. The topic selected varies			
Fall 2007	SOC405	405	Theory	SOC	Sociology	4 from year to year.	UG	LE	Lecture

Fall 2007	SOC432	432	Penology	SOC	Sociology	4 selected institutions.	UG	LE	Lecture
						institutions. Field visits to			
						critical assessment of penal			
Fall 2007	SOC422	422	Justice	SOC	Sociology	4 society. Historical development and	UG	LE	Lecture
Fall 2007	500422	422	Courts, Law,	200	Coolology	factors that affects justice in	UG	LE	Looturo
			Sociology			race, class, and other social			
			Casialass			Special attention to issues of			
						effects of the U.S. Court system.			
						the process, structure, and			
						Students will critically examine			
Fall 2007	SOC420W	420W	420	SOC	Sociology	Otherstands will address the	UG	LB	Lab
F-II 0007	60040014	400)4/	Writing in SOC	600	Carlala			l D	1 -1-
Fall 2007	SOC420	420	Behavior	SOC	Sociology	4 contemporary American society.	UG	LE	Lecture
			Sexual			perceived and responded to in			
			Sociology of			how sexual relationships are			
						ethnocentrism, students learn			
						cultural relativity and			
						Employing the concepts of			
						sexual lifestyles and behaviors.			
						Course examines alternative			
Fall 2007	SOC406W	406W	406	SOC	Sociology	0 SOC 406.	UG	LB	Lab
			Writing in SOC			Required writing component for			
Fall 2007	SOC406	406	Methods	SOC	Sociology	4 related to their major interest	UG	LE	Lecture
			Research			to select research problems			
			Applications			setting. Students are encouraged			
						within a seminar-like class			
1						out a full-scale research project			
Ì						opportunity to design and carry			
						provides students the			
						research techniques that			
						Advanced course in social			

Fall 2007	SOC433	433	Internship: Corrections & Fam	SOC	Sociology	Supervised field experience in corrections and family agencies (probation, parole, jail, juvenile, adult, and aging). Requires readings, a log, progress reports, and a paper synthesizing 4 readings and field experience.	UG	IN	Internship
			Sel Topics: Problems/Devi						
Fall 2007	SOC439	439	ance Bureaucracy &	SOC	Sociology	4 Topics vary. Examination of the nature of modern bureaucratic organizations, their place in society, and consequences of bureaucratic forms for their	UG	LE	Lecture
Fall 2007	SOC440	440	Bureaucrats Industrial	SOC	Sociology	4 members and society. Cross-cultural analysis of industrialization; organization of relationships within industrial	UG	LE	Lecture
Fall 2007	SOC441	441	Sociology Race and	SOC	Sociology	4 social groups. Study of intergroup, racial, and ethnic group relations including the processes and consequences of conflict, prejudice, and	UG	LE	Lecture
Fall 2007	SOC442	442	Ethnicity Writing in SOC	SOC	Sociology	4 discrimination. Required writing component for	UG	LE	Lecture
Fall 2007	SOC442W		442 South Africa	SOC	Sociology	O SOC 442. An introduction to the social history of South Africa and the system of apartheid. Considers several scenarios regarding the future of South Africa and invites reflection upon past and future	UG	LB	Lab
Fall 2007	SOC443	443	and Apartheid	SOC	Sociology	4 U.S. involvement in that country.	UG	LE	Lecture

							Deals with the role of cities in			
							past and present societies, the			
							social and cultural implications of			
			Urban				urban living, and special			
Fall 2007	SOC444	444	Sociology	SOC	Sociology	4	problems associated with city	UG	LE	Lecture
							What part do the community and			
							the neighborhood play in the			
							social life of modern societies?			
							What makes a good			
			Neighborhood				neighborhood, a good			
			s and				community? These and other			
Fall 2007	SOC446	446	Communities	SOC	Sociology	4	questions are addressed.	UG	LE	Lecture
							This course will discuss the			
							history and theories of policing			
			Policing in				while reviewing the role and			
Fall 2007	SOC457	457	Society	SOC	Sociology	4	function of the police.	UG	LE	Lecture
							Objective is to provide students			
							with a sound understanding of			
							theories of crime and how they			
							operate within society as part of			
			Explaining				our understanding of the criminal			
Fall 2007	SOC459	459	Crime	SOC	Sociology	4	justice system.	UG	LE	Lecture
							This class examines Black			
							Feminism/Womanist Identity			
							from a historical and			
							contemporary perspective and			
							highlights changes within the			
			Social Politics				African American family. Seminar			
			Afr-Amer				format will be utilized for			
Fall 2007	SOC460	460	Women	SOC	Sociology	4	students to discuss class	UG	LE	Lecture
							Social dimension of health and			
							illness. Consideration of the			
							patterns of disease, along with			
			Medical				the organization, provision, and		_	
Fall 2007	SOC461	461	Sociology	SOC	Sociology	4	delivery of medical services.	UG	LE	Lecture
			Writing in SOC	0.0.5						
Fall 2007	SOC461W	461W	461	SOC	Sociology	0		UG	LB	Lab

			Social			(Also listed as SW 462.) Study of social aspects of aging, the needs of the aging population, and society's response to these			
Fall 2007	SOC462	462	Gerontology	SOC	Sociology	4 needs.	UG	LE	Lecture
						Continuation of social			
			Social			gerontology. Explores in-depth concepts and issues related to			
Fall 2007	SOC463	463	Gerontology II	SOC	Sociology	4 aging.	UG	LE	Lecture
1 411 2007	300403	100	Sel Sel	300	Jociology	Variable content. Specific topics	00		Lociuic
			Topics:Social			will be announced in the			
Fall 2007	SOC479	479	Institutions	SOC	Sociology	4 schedule when course is offered.	UG	LE	Lecture
						Study of face-to-face interaction			
						with emphasis on both			
E 11 0007	000101	101	Sociology of	000		intergroup and intragroup		. –	
Fall 2007	SOC481	481	Small Groups	SOC	Sociology	4 structure and processes.	UG	LE	Lecture
			Sel Topics:Social						
Fall 2007	SOC489	489	Interactions	SOC	Sociology	4 Titles vary.	UG	LE	Lecture
1 411 2007	000107	107	Independent	300	Sociology	Field project in an area of			Lootaro
			Research: Soci			interest. May be taken for letter			Independe
Fall 2007	SOC490	490	ology	SOC	Sociology	2 grade or pass/unsatisfactory.	UG	IS	nt Study
			Sociology of			Cross-cultural sociological knowledge and theories concerning origin/nature of sex roles; stratification of sexes in various societies; sex roles in institutions of family, education, religion, politics, economics, and health; and other topics such as			
Fall 2007	SOC510	510	Gender	SOC	Sociology	4 socialization and media.	GR	LE	Lecture
3 2007	2000.0	3.0	30		200.0.095	Extensive exploration of the			200.0
						various sociological approaches			
						to the study of deviance and			
			Sociology of			social disorganization with			
			Deviant			emphasis on contemporary			
Fall 2007	SOC520	520	Behavior	SOC	Sociology	4 sociological theory and research.	GR	LE	Lecture

						Problems of definition and			
						treatment of delinquency;			
			Juvenile			preparation for further study and			
Fall 2007	SOC532	532	Delinquency	SOC	Sociology	4 work with delinquents.	GR	LE	Lecture
						Theories and analysis of social			
						organization in its historical and			
						present context. Emphasis on			
						the interrelationship between			
			Social			individuals, the family, and other			
Fall 2007	SOC540	540	Organization	SOC	Sociology	4 institutions.	GR	LE	Lecture
						Structures, theories, and			
						consequences of social inequality			
			Social			with emphasis on the United			
Fall 2007	SOC541	541	Inequality	SOC	Sociology	4 States.	GR	LE	Lecture
						Investigation, analysis, and			
						discussion of contemporary			
						theories focusing on the			
			Sociology of			relationship of the individual to			_
Fall 2007	SOC550	550	Work	SOC	Sociology	4 work.	GR	LE	Lecture
						Sociological analysis of family			
						development over its life cycle,			
						and the relationship of the family			
						to society and the individual.			
						Topics include courtship,			
			Sociology of			marriage, parenthood,			
Fall 2007	SOC560	560	the Family	SOC	Sociology	4 adulthood, and aging.	GR	LE	Lecture
						(Also listed as REL 561.)			
						Treatment of religion as a social			
						institution, examining the			
						influence of religious ideas and			
						organizations on other social			
			Religion and			institutions, and the influence of			
Fall 2007	SOC561	561	Society	SOC	Sociology	4 society on religion.	GR	LE	Lecture

						The school as a social institution.	
						Internal and external influences;	
						structure of the school social	
						system; and sociological issues	
			Casialamus			affecting the school, such as	
F-II 2007	000573	F/2	Sociology of	000	Casialas	social class factors and equality	
Fall 2007	SOC563	563	Education	SOC	Sociology	4 of educational opportunity. GR LE Lecture	5
			Studies in			Problems, approaches, and	
F 11 0007	000500	F00	Selected	000	0 11	topics in the field of sociology.	
Fall 2007	SOC599	599	Subjects	SOC	Sociology	1 Topics vary. GR LE Lecture)
			Selected				
F !! 0007	200/04		Topics:Theory	000			
Fall 2007	SOC601	601	Methods	SOC	Sociology	4 Topics vary. GR LE Lecture	;
						This course examines alternative	
						sexual lifestyles and behaviors.	
						Employing the concepts of	
						cultural relativity and	
						ethnocentrism, we learn how	
			Sociology of			sexual relationships are	
			Sexual			perceived and responded to in	
Fall 2007	SOC620	620	Behavior	SOC	Sociology	4 contemporary American society. GR LE Lecture)
						Students will critically examine	
						the process, structure, and	
						effects of the U.S. court system.	
						Special attention will be given to	
			Sociology:			issues of race, class, and other	
			Courts,Law,Ju			social factors that affect justice	
Fall 2007	SOC622	622	stice	SOC	Sociology	4 in society. GR LE Lecture)
					33	Historical development and	
						critical assessment of penal	
						institutions. Field visits to	
Fall 2007	SOC632	632	Penology	SOC	Sociology	4 selected institutions. GR LE Lecture	7
1 411 2007	000002	002	renology	300	occiology	Supervised field experience in	,
						corrections (e.g., probation,	
						parole, and jail). Course requires	
						readings, a log, progress reports,	
			Internship in			and a paper synthesizing	
Fall 2007	SOC633	633	Corrections	SOC	Sociology	4 readings and field experience. GR IN Interns	hin
rali 2007	30003	საა	COLLECTIONS	300	Sociology	4 readings and field experience. GR IN Interns	ulh

			Sel Topics: Problems/Devi			
Fall 2007	SOC639	639	ance	SOC	Sociology	4 Topics vary. GR LE Lecture
			Industrial			Cross-cultural analysis of industrialization; organization of relationships within industrial
Fall 2007	SOC641	641	Sociology	SOC	Sociology	4 social groups. GR LE Lecture
			Race and			Intergroup, racial, and ethnic group relations, including the processes and consequences of conflict, prejudice, and
Fall 2007	SOC642	642	Ethnicity	SOC	Sociology	4 discrimination. GR LE Lecture
E II 0007	200444		Urban			Role of cities in past and present societies, the social and cultural implications of urban living, and
Fall 2007	SOC644	644	Sociology	SOC	Sociology	4 problems associated with city GR LE Lecture
Fall 2007	SOC646	646	Neighborhood s and Communities	SOC	Sociology	Examines the part the community and the neighborhood play in the social life of modern societies. What makes a good neighborhood? What makes a good community? 4 These and other questions are GR LE Lecture
			Policing in			Developed to expand the depth of the criminology track for Sociology majors independent of, but which may be used as,
Fall 2007	SOC657	657	Society	SOC	Sociology	4 course work for the new ABS CJ GR LE Lecture
			Explaining Crime:Beccari			Objective is to provide students with a sound understanding of theories of crime and how they operate within society as part of our understanding of the criminal
Fall 2007	SOC659	659	a-Thor	SOC	Sociology	4 justice system. GR LE Lecture

						The social dimension of health and illness. Consideration of the			
						patterns of disease, along with			
			Medical			the organization, provision, and			
Fall 2007	SOC661	661	Sociology	SOC	Sociology	4 delivery of health care services.	GR	LE	Lecture
						(Also listed as SW 662.) Study of			
						social aspects of aging, the			
						needs of the aging population,			
			Social			and society s response to those			
Fall 2007	SOC662	662	Gerontology	SOC	Sociology	4 needs.	GR	LE	Lecture
						(Also listed as SW 663.)			
						Continuation of social			
						gerontology. Explores in-depth			
			Social			concepts and issues related to	_		
Fall 2007	SOC663	663	Gerontology II	SOC	Sociology	4 aging.	GR	LE	Lecture
			Sel						
- "	000/70		Topics:Social	000			0.5		
Fall 2007	SOC679	679	Institutions	SOC	Sociology	4 Topics vary.	GR	LE	Lecture
						Study of face-to-face interaction			
			Casialasıı af			with emphasis on both			
Fall 2007	SOC681	681	Sociology of	SOC	Cociology	intergroup and intragroup	GR	LE	Lecture
Fall 2007	300081	001	Small Groups Sel	300	Sociology	4 structure and processes.	GK	LE	Lecture
			Topics:Social						
Fall 2007	SOC689	689	Interaction	SOC	Sociology	4 Topics vary.	GR	LE	Lecture
Fall 2007	300009	009	Directed	300	Sociology	4 Topics vary.	GK	LC	Lecture
			Studies in			May be taken for letter grade or			
Fall 2007	SOC690	690	Sociology	soc	Sociology	2 pass/unsatisfactory.	GR	LE	Lecture
1 411 2007	300070	070	Selected	300	Sociology	Variable content. Specific topic	Oit	LL.	Eccture
			Topics in			announced when course is			
Fall 2007	SOC701	701	Sociology	SOC	Sociology	2 offered.	GR	LE	Lecture
					2 2 2 2 2 3 3	Study of contemporary theories	-		
						of deviant behavior from both an			
						institutional and social-			
						psychological perspective, with			
			Seminar in			emphasis on the relationship			
			Social			between social change and social			
Fall 2007	SOC720	720	Deviance	SOC	Sociology	4 disorganization.	GR	LE	Lecture

							(Also listed as ABS 781.) Builds			
							on the foundations of society			
			Seminar on				and its institutions to examine			
			Family				contemporary problems facing			
Fall 2007	SOC760	760	Problems	SOC	Sociology	4	American families.	GR	LE	Lecture
							(Also listed as ABS 771.)			
							Investigation of the criminal			
			Seminar				justice system in the United			
			Criminal				States and its relation to deviant			
Fall 2007	SOC770	770	Justice	SOC	Sociology	4	adult and juvenile behavior.	GR	LE	Lecture
			Year 4 Medical		School of					
Fall 2007	SOM701	701	Study	SOM	Medicine	24		MD	OT	Other
			Year 4 Medical		School of					
Fall 2007	SOM702	702	Study	SOM	Medicine	24		MD	OT	Other
			Year 3 Medical		School of					
Fall 2007	SOM703	703	Study	SOM	Medicine	24		MD	CL	Clinical
			Year 3 Medical		School of					
Fall 2007	SOM704	704	Study	SOM	Medicine	24		MD	CL	Clinical
			Year 1 Medical		School of					
Fall 2007	SOM705	705	Study	SOM	Medicine	24		MD	LE	Lecture
			Year 2 Medical		School of					
Fall 2007	SOM707	707	Study	SOM	Medicine	24		MD	LE	Lecture
							Study of the vocabulary and			
							structure of the Spanish			
							language; practice in			
			First Year				conversation, reading, and			
Fall 2007	SPN101	101	Spanish	SPN	Spanish	4	writing.	UG	LE	Lecture
							Study of the vocabulary and			
							structure of the Spanish			
							language; practice in			
			First Year				conversation, reading, and			
Fall 2007	SPN102	102	Spanish	SPN	Spanish	4	writing.	UG	LE	Lecture
							Study of the vocabulary and			
							structure of the Spanish			
							language; practice in			
			First Year				conversation, reading, and			
Fall 2007	SPN103	103	Spanish	SPN	Spanish	4	writing.	UG	LE	Lecture

			Forestials of				Introduction to Spanish with an			
Fall 2007	SPN111	111	Essentials of Spanish	SPN	Spanish		emphasis on speaking the language.	UG	LE	Lecture
raii 2007	SPINITI	111	Spanish	SPIN	эранізн		A thorough review of Spanish	UG	LE	Lecture
			Grammar				grammar with an emphasis on			
Fall 2007	SPN150	150	Review	SPN	Spanish		oral practice.	UG	LE	Lecture
1 all 2007	3511130	130	Keview	SEIN	эранізн		Grammar review, reading, and	UG	LL	Lecture
							discussion of selected texts with			
			Second Year				practice in speaking and writing			
Fall 2007	SPN201	201	Spanish	SPN	Spanish		the language.	UG	LE	Lecture
1 411 2007	31 11201	201	эранізн	31 14	эрапізп		Grammar review, reading, and	00	LL	Lecture
							discussion of selected texts with			
			Second Year				practice in speaking and writing			
Fall 2007	SPN202	202	Spanish	SPN	Spanish		the language.	UG	LE	Lecture
1 411 2007	0.11202		ораниян	0.11	Оранион		Grammar review, reading, and			Lootaro
							discussion of selected texts with			
			Second Year				practice in speaking and writing			
Fall 2007	SPN203	203	Spanish	SPN	Spanish		the language.	UG	LE	Lecture
							Practice in oral use of Spanish			
			Spanish				emphasizing the culture of the			
Fall 2007	SPN311	311	Conversation	SPN	Spanish		Hispanic world.	UG	LE	Lecture
							Practice in oral use of Spanish			
			Spanish				emphasizing the culture of the			
Fall 2007	SPN312	312	Conversation	SPN	Spanish		Hispanic world.	UG	LE	Lecture
							Oral and written composition in			
			Spanish				Spanish; translations from			
Fall 2007	SPN321	321	Composition	SPN	Spanish	4	English into Spanish.	UG	LE	Lecture
			Writing in SPN				Required writing component for			
Fall 2007	SPN321W	321W	321	SPN	Spanish	0	SPN 321.	UG	LB	Lab
							Oral and written composition in			
			Spanish				Spanish; translations from			
Fall 2007	SPN322	322	Composition	SPN	Spanish	4	English into Spanish.	UG	LE	Lecture
			Writing in SPN							
Fall 2007	SPN322W	322W	322	SPN	Spanish	0		UG	LB	Lab
							Oral and written composition in			
							Spanish; translations from			
			Spanish				English into Spanish. Further			
Fall 2007	SPN323	323	Composition	SPN	Spanish	4	grammar study.	UG	LE	Lecture

			Writing in SPN							
Fall 2007	SPN323W	323W	323	SPN	Spanish	0		UG	LB	Lab
							An introduction to the language			
							of business Spanish with insight			
			Business				into Spain and Latin America			
Fall 2007	SPN325	325	Spanish	SPN	Spanish	4	within the global economy.	UG	LE	Lecture
			Writing in SPN							
Fall 2007	SPN325W	325W	325	SPN	Spanish	0		UG	LB	Lab
							Study of the business culture			
İ							behind Spanish. Development of			
İ							the communication skills and			
							intercultural understanding. Use			
			Business				of Spanish in international			
Fall 2007	SPN326	326	Spanish	SPN	Spanish	4	business.	UG	LE	Lecture
			Writing in SPN							
Fall 2007	SPN326W	326W	326	SPN	Spanish	0		UG	LB	Lab
							Historical survey of Spanish			
			Survey of				literature. From the beginning to			
Fall 2007	SPN331	331	Spanish Lit	SPN	Spanish	4	romanticism.	UG	LE	Lecture
			Writing in SPN							
Fall 2007	SPN331W	331W	331	SPN	Spanish	0		UG	LB	Lab
							Historical survey of Spanish			
			Survey of				literature. From romanticism to			
Fall 2007	SPN332	332	Spanish Lit	SPN	Spanish	4	the present.	UG	LE	Lecture
			Writing in SPN							
Fall 2007	SPN332W	332W	332	SPN	Spanish	0		UG	LB	Lab
							Reading of prose, poetry, and			
			Survey of				plays by Spanish-American			
			Spanish-Amer				writers. From pre-Columbian			
Fall 2007	SPN333	333	Lit	SPN	Spanish	4	times to romanticism.	UG	LE	Lecture
							Reading of prose, poetry, and			
			Survey				plays by Spanish-American			
			Spanish-Amer				writers. From romanticism to the			
Fall 2007	SPN334	334	Lit	SPN	Spanish	4	present.	UG	LE	Lecture
							Study of the vowel and			
			Spanish				consonant sound system through			
Fall 2007	SPN361	361	Phonetics	SPN	Spanish	2	phonetic method; intonation.	UG	LE	Lecture

							Spanish majors assist elementary			
			Applied Elem				course instructors in conducting			
Fall 2007	SPN381	381	Spn Instruct	SPN	Spanish	1	classes. For Spanish majors only.		IN	Internship
							Spanish majors assist elementary			
			Applied Elem				course instructors in conducting			
Fall 2007	SPN382	382	Spn Instruct	SPN	Spanish	1	classes. For Spanish majors only.		IN	Internship
							Spanish majors assist elementary			
			Applied Elem				course instructors in conducting			
Fall 2007	SPN383	383	Spn Instruct	SPN	Spanish	1	classes. For Spanish majors only.	UG	IN	Internship
							Problems, approaches, and			
			Studies in				topics in the field of Spanish.			Independe
Fall 2007	SPN399	399	Selected Subj	SPN	Spanish	1	Topics vary.	UG	IS	nt Study
							Intensive reading of such works			
			Spanish				as Lazarillo de Tormes, Vida del			
			Picaresque				Buscon, and Guzman de			
Fall 2007	SPN401	401	Novel	SPN	Spanish	4	Alfarache.	UG	LE	Lecture
			Spanish Novel				19th century prose work by			
Fall 2007	SPN402	402	19th Cent	SPN	Spanish	4	Galdos and others.	UG	LE	Lecture
			Adv Studies:				Topics vary. Conducted in			
Fall 2007	SPN403	403	Lang Civiliz	SPN	Spanish	4	Spanish.	UG	LE	Lecture
			Writing in SPN				Required writing component for			
Fall 2007	SPN403W	403W	403	SPN	Spanish	0	SPN 403.	UG	LB	Lab
							Intensive readings of dramas by			
			Golden Age				playwrights of the 16th and 17th			
Fall 2007	SPN411	411	Drama	SPN	Spanish	4	centuries.	UG	LE	Lecture
							Intensive readings of dramas by			
							playwrights of the 19th and 20th			
Fall 2007	SPN412	412	Modern Drama	SPN	Spanish	4	centuries.	UG	LE	Lecture
							Intensive study of the works of			
							Cervantes including Don Quixote,			
							novelas ejemplares, entremeses,			
							and longer dramatic works.			
							Lectures, discussions, and oral			
			Cervantes Part				reports on Cervantes and his			
Fall 2007	SPN421	421	1	SPN	Spanish	4	time.	UG	LE	Lecture

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						This course studies, in both			
						English and Spanish,			
						fundamental concepts of doing			
						business, managing, and			
						marketing in Latin America.			
						Examines cultural, institutional,			
			Business in L.			behavioral and management			
Fall 2007	SPN483	483	America	SPN	Spanish	4 systems and their operations in	UG	LE	Lecture
1 411 2007	31 11403	403	America	31 14	эранізн	Practice in oral use of Spanish	00	LL	Lecture
			Spanish			emphasizing the culture of the			
Fall 2007	SPN511	511	Conversation	SPN	Spanish	4 Hispanic world.	GR	LE	Lecture
raii 2007	SPINSTI	311	Conversation	SPIN	Spariisii	Practice in oral use of Spanish	GK	LE	Lecture
			Spanish			emphasizing the culture of the			
Fall 2007	SPN512	512	Conversation	SPN	Spanish	4 Hispanic world.	GR	LE	Lecture
Fall 2007	3PN312	312	Conversation	SPIN	Spanish	Oral and written composition in	GK	LE	Lecture
			Cnonich			Spanish; translations from			
Fall 2007	CDNE 21	521	Spanish	CDM	Cnonioh	•	GR	LE	Lootumo
Fall 2007	SPN521	521	Composition	SPN	Spanish	4 English into Spanish.	GR	LE	Lecture
			Consulate			Oral and written composition in			
F - II 0007	CDNIEGO	F00	Spanish	CDN	Con a sallada	Spanish; translations from	O.D.		1 1
Fall 2007	SPN522	522	Composition	SPN	Spanish	4 English into Spanish.	GR	LE	Lecture
						Oral and written composition in			
			0			Spanish; translations from			
- II 0007	0011500	500	Spanish	0011		English into Spanish. Further	0.0		
Fall 2007	SPN523	523	Composition	SPN	Spanish	4 grammar study.	GR	LE	Lecture
						An introduction to the language			
						of business Spanish with insight			
			Business			into Spain and Latin America			
Fall 2007	SPN525	525	Spanish	SPN	Spanish	4 within the global economy.	GR	LE	Lecture
						Study of the business culture			
						behind Spanish. Development of			
						communication skills and			
						intercultural understanding. Use			
			Business			of Spanish in International			
Fall 2007	SPN526	526	Spanish	SPN	Spanish	4 Business.	GR	LE	Lecture
						Historical survey of Spanish			
			Survey of			literature from the beginning to			
Fall 2007	SPN531	531	Spanish Lit	SPN	Spanish	4 romanticism.	GR	LE	Lecture

			Curvoy of				Historical survey of Spanish Literature from romanticism to			
Fall 2007	CDNESS	F22	Survey of	CDM	Cnaniah	4		CD	l F	Lootumo
Fall 2007	SPN532	532	Spanish Lit	SPN	Spanish	4	the present.	GR	LE	Lecture
							Reading of prose, poetry, and			
			C				plays by Spanish-American			
- u 0007	opusoo.		Survey of	0011			writers. From pre-Columbian	0.5	. –	
Fall 2007	SPN533	533	Span-Amer Lit	SPN	Spanish	4	times to romanticism.	GR	LE	Lecture
							Reading of prose, poetry, and			
							plays by Spanish-American			
			Survey of				writers from romanticism to the			
Fall 2007	SPN534	534	Span-Amer Lit	SPN	Spanish	4	present.	GR	LE	Lecture
			Applied Elem				Assistance for elementary course			
Fall 2007	SPN581	581	Spn Instr	SPN	Spanish	1	instructors in conducting classes.	GR	LE	Lecture
							For teachers of Spanish.			
							Intensive experience designed,			
							through total immersion, to			
							improve language skills			
							(conversation and composition)			
							and increase awareness of			
			Foreign Lang				Spanish civilization and			
Fall 2007	SPN590	590	Institute	SPN	Spanish	8	contemporary culture.	GR	LE	Lecture
			Spanish Novel		·		Nineteenth-century prose works			
Fall 2007	SPN602	602	19th Cent	SPN	Spanish	4	by Galdos and others.	GR	LE	Lecture
			Adv Studies:				Topics vary. Conducted in			
Fall 2007	SPN603	603	Lang Civiliz	SPN	Spanish	4	Spanish.	GR	LE	Lecture
			Writing in SPN							
Fall 2007	SPN603W	603W	603	SPN	Spanish	0		GR	LB	Lab
							Intensive readings of dramas by			
			Golden Age				playwrights of the sixteenth and			
Fall 2007	SPN611	611	Drama	SPN	Spanish	4	seventeenth centuries.	GR	LE	Lecture
					1		Intensive readings of dramas by			
							playwrights of the nineteenth			
Fall 2007	SPN612	612	Modern Drama	SPN	Spanish	4	and twentieth centuries.	GR	LE	Lecture

						Cervantes. Intensive study of			
						the works of Cervantes, including			
						Don Quixote, novelas			
						ejemplares, entremeses, and			
						longer dramatic works.			
			Don Quixote			Lectures, discussions, and oral			
Fall 2007	SPN621	621	Part I	SPN	Spanish	4 reports on Cervantes and his	GR	LE	Lecture
1 411 2007	31 1102 1	021	Tarti	JI IV	эрагизгі	Intensive study of selected topics		LL	Lociuic
			Sem in			in peninsular literature.			
			Spanish			Background lectures, oral			
Fall 2007	SPN631	631	Literature	SPN	Spanish	4 reports, and discussions. Titles	GR	LE	Lecture
1 411 2007	0111001		Entorataro	0.11	орания	Readings and reports in the	O. C		2001410
						novel, poetry, and drama of			
						selected Spanish-American			
						authors. Representative works of			
			Sem in			Borges, Garcma, Marquez, Rulfo,			
			Spanish-Amer			Paz, Vargas Llosa, Sanchez, and			
Fall 2007	SPN632	632	Lit	SPN	Spanish	4 others.	GR	LE	Lecture
						Readings in the novel, poetry,			
			Contemporary			and drama of major Spanish			
Fall 2007	SPN641	641	Spanish Lit	SPN	Spanish	4 writers in the post-Civil war	GR	LE	Lecture
						Readings in the novel, poetry,			
						and drama of various Latin-			
			Contemp Latin			American writers from the late			
Fall 2007	SPN642	642	Amer Lit	SPN	Spanish	4 1930s to the present day.	GR	LE	Lecture
			Ind Grad						Independe
Fall 2007	SPN650	650	Research	SPN	Spanish	1 Independent graduate research.	GR	IS	nt Study
			The						
			Generation of			Novel, poetry, and theatre of			
Fall 2007	SPN662	662	1898	SPN	Spanish	4 Unamuno, Baroja, and others.	GR	LE	Lecture
			Ind Read Grad			Independent reading for			Independe
Fall 2007	SPN681	681	Students	SPN	Spanish	4 graduate students.	GR	IS	nt Study
			Ind Read Grad			Independent reading for			Independe
Fall 2007	SPN682	682	Students	SPN	Spanish	4 Graduate students.	GR	IS	nt Study

						This course studies, in both			
						English and Spanish,			
						fundamental concepts of doing			
						business, managing and			
						marketing in Latin America.			
						Examines cultural, institutional			1
	0011100		Latin American			and behavioral and management			Independe
Fall 2007	SPN683	683	Business	SPN	Spanish	4 systems and their operation in	GR	IS	nt Study
						An introduction to the			
						fundamental ideas of statistics.			
						Topics include descriptive			
						statistics, probability, confidence			
						intervals, and testing hyotheses,			
						as well as the basic of Chi-			
			Statistical			square tests, regression and			
Fall 2007	STT160	160	Concepts	STT	Statistics	5 correlation, and analysis of	UG	LE	Lecture
			Writing in STT			Required writing component for			
Fall 2007	STT160W	160W	160	STT	Statistics	0 STT 160.	UG	LB	Lab
						Numerical and graphical			
						methods for finding and			
						summarizing important features			
						of data. Principles of designing			
						experiments for collecting data.			
						Introduction to probability. Use			
						of statistical computing package			
			Elementary			to apply methods and illustrate			
Fall 2007	STT264	264	Statistics I	STT	Statistics	4 concepts.	UG	LE	Lecture
			Elementary						
Fall 2007	STT264L	264L	Statistics I Lab	STT	Statistics	0 Required laboratory for STT 264.	UG	LB	Lab

Fall 2007	STT265	265	Elementary Statistics II	STT	Statistics	Confidence intervals and hypothesis testing introduction. Applications to means, proportions, two-sample comparisons, contingency tables, linear regression, and analysis of variance. Use of statistical computing package to apply methods to data sets.	UG	LE	Lecture
			Elementary						
Fall 2007	STT265L	265L	Statistics II Lab	STT	Statistics	0 Required laboratory for STT 265.	UG	LB	Lab
			Prob/Stat- Middle Sch			Probability and statistical methods applied to real problems. Scientific method of investigation. Data collection, organization, display, and analysis. Empirical and axiomatic probability, simulation, variation, sampling, expected values, and statistical inference. Probability and uncertainty. For early and middle childhood and			Lecture/La b Combinatio
Fall 2007	STT342	342	Tchr	STT	Statistics	Introduction to probability, random variables and their expectations, some commonly used discrete and continuous distributions, concept of random sampling and sampling distributions. Use of computer	UG	LL	n
Fall 2007	STT360	360	Applied Statistics I	STT	Statistics	software packages for 4 simulating, summarizing, and	UG	LE	Lecture

						Introduction to statistics,			
						standard statistical methods for			
						estimation of parameters and			
						hypothesis testing, introduction			
						to regression analysis and			
			A L' I			analysis of variance techniques,			
F-II 0007	CTT0/4	2/1	Applied	СТТ	Chattattaa	exposure to data analysis using			
Fall 2007	STT361	361	Statistics II	STT	Statistics	4 packaged computer programs.	UG	LE	Lecture
						Introduction to probability,			
						distributions, and statistical			
			Engineering			methods; using calculus to			
Fall 2007	STT363	363	Statistics	STT	Statistics	3 develop the necessary theory.	UG	LE	Lecture
						Introduction to the use of the			
						statistical analysis system, a			
						statistical computing package			
			Introduction			widely used in industry,			
Fall 2007	STT367	367	to SAS	STT	Statistics	2 government, and academia.	UG	LE	Lecture
			Ind Read in						Independe
Fall 2007	STT386	386	Stat and Prob	STT	Statistics	1 Topics vary.	UG	IS	nt Study
						Titles vary. May be taken for			
			Topics in Stat			letter grade or			Independe
Fall 2007	STT396	396	and Prob	STT	Statistics	1 pass/unsatisfactory.	UG	IS	nt Study
						Distribution-free estimation and			
						hypothesis testing procedures.			
						Includes methods for use in one-			
						and two-sample location and			
						dispersion problems,			
						nonparametric alternatives to			
						ANOVA and regression,			
						goodness-of-fit tests, measures			
			Nonparametric			of association, and tests for			
Fall 2007	STT401	401	Methods	STT	Statistics	4 randomness.	UG	LE	Lecture

						Charles and a few discusti			
						Stochastic models for discrete			
						time series in the time-domain,			
						moving average processes,			
						autoregressive processes, model			
						identification, parameter			
						estimation, and forecasting.			
			Applied Time			Statistical computing software			
Fall 2007	STT411	411	Series	STT	Statistics	4 packages are used.	UG	LE	Lecture
						Statistical process control for			
						attributes and variables data:			
						probability distributions,			
						sampling plans, control charts,			
						statistical control, process			
						capability, process improvement,			
			Statist Quality			tolerance intervals, evolutionary			
Fall 2007	STT424	424	Control	STT	Statistics	4 operation, and applications.	UG	LE	Lecture
						Censoring and truncation,			
						survival and hazard functions,			
						estimation and hypothesis tests,			
						Cox proportional hazards model,			
						diagnostics of the Cox model;			
			Survival			state-of-the-art software for			
Fall 2007	STT426	426	Analysis	STT	Statistics	4 survival analysis models.	UG	LE	Lecture
						Stochastic concept of a queuing			
						process is developed. Theories			
						and applications of single and			
						many server queues are			
						presented. Emphasis on			
			Queuing			applications in engineering and			
Fall 2007	STT428	428	Theory	STT	Statistics	4 computer science.	UG	LE	Lecture
						The statistical methods suitable			
						for analysis of data arising in			
						biological and related studies.			
						Estimation and hypothesis			
						testing are reviewed. Methods			
						include one and two sample			
						tests, simple and multiple			
Fall 2007	STT430	430	Biostatistics	STT	Statistics	4 regression, and analysis of	UG	LE	Lecture

						Probability, random variables,			
						density and distribution			
						functions, expectation, moment			
						generating functions, special			
						discrete and continuous			
						distributions; joint, marginal and			
						conditional distributions;			
			Theory of			independence, properties of			
Fall 2007	STT461	461	Statistics I	STT	Statistics	4 expected values, functions of	UG	LE	Lecture
						Limiting distributions, central			
						limit theorem, statistics and			
						sampling distribution point			
						estimation, properties of			
						estimators, sufficiency and			
						completeness, interval			
			Theory of			estimation, hypothesis testing,			
Fall 2007	STT462	462	Statistics II	STT	Statistics	4 most powerful and UMP tests,	UG	LE	Lecture
						Bootstrapping is a computing-			
						intensivemethod of data analysis			
						by computing distributions. The			
						method, including permutation			
						tests, can be adapted easily to			
						many classical problems.			
			Computational			Doftware used for the course			
Fall 2007	STT464	464	Statistics	STT	Statistics	4 includes SPLUS and	UG	LE	Lecture
						Classical statistical techniques for	•		
						analysis and interpretation of			
						research data including the use			
						of statistical software packages.			
						Includes descriptive statistics,			
						one-and-two-sample inferences,			
			Statistical			regression and correlation			
Fall 2007	STT466	466	Methods I	STT	Statistics	4 analysis.	UG	LE	Lecture
			Writing in STT			Required writing component for			
Fall 2007	STT466W	466W	466	STT	Statistics	0 STT 466.	UG	LB	Lab

							Continuation of STT 466.			
							Includes analysis of variance,			
							multiple comparisons, analysis of			
			Statistical				covariance, contingency table			
Fall 2007	STT467	467	Methods II	STT	Statistics	4	analysis, goodness of fit tests.	UG	LE	Lecture
							Randomization, replication,			
							blocking factorial design. Block			
							designs; multi-factor			
							experiments; fixed-, random-			
							and mixed-effects models;			
							repeated measures; nested			
							factors; split-plot designs;			
							confounding and fractions for			
			Intro to Exp				2**k factorial experiements.			
Fall 2007	STT469	469	Design	STT	Statistics	4	Statistical software used	UG	LE	Lecture
			Ind Read in				Independent study in statistics			Independe
Fall 2007	STT486	486	Stat & Prob	STT	Statistics	1	and probability.	UG	IS	nt Study
							Detailed study of a single			
							statistical topic or problem in			
							practice of statistics chosen by			
							student with approval of the			
							instructor. The student will			
							present the results of study in an			
							expository paper.			
							Seminars/Independent study.			
							Limited to 10 students.			
			Undergrad				Mathematics majors with			
Fall 2007	STT492	492	Statistics Sem	STT	Statistics		statistics option only.	UG	SE	Seminar
Fall 2007	STT492W	492W	Writing in STT	STT	Statistics	0		UG	LB	Lab
			Topics in Stat				Topics in statistics and			Independe
Fall 2007	STT496	496	and Prob	STT	Statistics	1	probability.	UG	IS	nt Study

			Prob for			Presentation of probability concepts and techniques as applied to engineering applications. Introduces and applies probability distributions, measures of association, inferences on responses, and basic experimental design. Emphasis is on application of			
Fall 2007	STT502	502	Engineers	STT	Statistics	4 statistical tools.	GR	LE	Lecture
			Statistics for			Focus on analysis techniques for multiple variables, including ANOVA and multiple regression as applied to engineering testing, development, and manufacturing. Process analysis and improvment technique			
Fall 2007	STT503	503	Engineers	STT	Statistics	4 presented, along with tools for	GR	LE	Lecture
						Introduction to the basic principles and applications of statistical methods as they are applied to data arising in the			
Fall 2007	STT520	520	Biostatistics Applied	STT	Statistics	4 health professions. Introduces probability, random variables and their expectations, some commonly used discrete and continuous distributions, concept of random sampling and sampling distributions. Uses computer software packages for simulating, summarizing, and	GR	LE	Lecture
Fall 2007	STT560	560	Statistics I	STT	Statistics	4 displaying data.	GR	LE	Lecture

Fall 2007	STT561	561	Applied Statistics II	STT	Statistics	Introduces statistics, standard statistical methods for estimation of parameters and hypothesis testing, regression analysis and analysis of variance techniques, and exposure to data analysis using packaged computer	GR	LE	Lecture
Fall 2007	STT567	567	Introduction to SAS	STT	Statistics	Introduces the use of Statistical Analysis System (SAS), a statistical computing package widely used in industry,	GR	LE	Lecture
F-II 2007	CTTF/O	F/0	Design of Sample	CTT	Challana a		CD.		
Fall 2007	STT568	568	Surveys	STT	Statistics		GR	LE	Lecture
Fall 2007	STT586	586	Ind Read in Stat and Pro	STT	Statistics	Independent reading in statistics and probability.	GR	IS	Independe nt Study
			Statistics for			Coverage of concepts, principles, interpretation and practical rules of thumb for advanced statistical methods used in nursing			
Fall 2007	STT591	591	Nursing	STT	Statistics	0.5 research.	GR	LE	Lecture
Fall 2007	STT596	596	Topics in Stat	STT	Statistics	May be taken for letter grade or 1 pass/unsatisfactory. Titles vary.	GR	IS	Independe nt Study
			Nonparametric			Distribution-free estimation and hypothesis testing procedures. Includes methods for use in one-and two-sample location and dispersion problems, nonparametric alternatives to ANOVA and regression, goodness-of-fit tests, measures of association, and tests for			
Fall 2007	STT601	601	Methods	STT	Statistics	•	GR	LE	Lecture

						Stochastic models for discrete			
						time series in the time-domain,			
						moving average processes,			
						autoregressive processes, model			
						identification, parameter			
						estimation, and forecasting.			
			Applied Time			Statistical computing software			
Fall 2007	STT611	611	Series	STT	Statistics	4 packages are used.	GR	LE	Lecture
						Statistical process control for			
						attributes and variables data:			
						probability distributions,			
						sampling plans, control charts,			
						statistical control, process			
						capability, process improvement,			
			Statistic			tolerance intervals, evolutionary			
Fall 2007	STT624	624	Quality Control	STT	Statistics	4 operation, and applications.	GR	LE	Lecture
						Censoring and truncation,		T	
						survival and hazard functions,			
						estimation and hypothesis tests,			
						Cox proportional hazards model;			
						diagnostics of the Cox model;			
			Survival			state-of-the-art software for			
Fall 2007	STT626	626	Analysis	STT	Statistics	4 survival analysis models.	GR	LE	Lecture
						The stochastic concept of a			
						queueing process is developed.			
						The theory and applications of			
						single and many server queues			
						are presented. Particular			
						emphasis is placed on application			
			Queueing			in engineering and computer			
Fall 2007	STT628	628	Theory	STT	Statistics	4 science.	GR	LE	Lecture

						Statistical methods suitable for			
						analysis of data arising in			
						biological and related studies.			
						Estimation and hypothesis			
						testing are reviewed. Methods			
						include one and two sample			
						tests, simple and multiple			
Fall 2007	STT630	630	Biostatistics	STT	Statistics	4 regression, and analysis of	GR	LE	Lecture
						Classical statistical techniques for			
						analysis and interpretation of			
						research data, with extensive			
						use of statistical software.			
						Includes review of basic			
						statistics. Simple, multiple, and			
			Statistical			polynomial regression, and single			
Fall 2007	STT646	646	Methods I	STT	Statistics	4 factor analysis of variance are	GR	LE	Lecture
						Continuation of STT 646.			
						Analysis of variance, techniques			
						for interpretation of research			
						data, with extensive use of			
						statistical software. Includes			
						factoral experiments, fixed and			
			Statistical			random effects, crossed and			
Fall 2007	STT647	647	Methods II	STT	Statistics	4 nested factors, and repeated	GR	LE	Lecture
						Probability, random variables,			
						density and distribution			
						functions, expectation, moment			
						generating functions, special			
						discrete and continuous			
						distributions; joint, marginal and			
						conditional distributions;			
			Theory of			independence, properties of			
Fall 2007	STT661	661	Statistics I	STT	Statistics	4 expected values, functions of	GR	LE	Lecture

						Limiting distributions, central			
						limit theorem, statistics and			
						sampling distributions, point			
						estimation, properties of			
						estimators, sufficiency and			
						completeness, interval			
			Theory of			estimation, hypothesis testing,			
Fall 2007	STT662	662	Statistics II	STT	Statistics	4 most powerful and UMP tests,	GR	LE	Lecture
						Bootstrapping is a computing-			
						intensive method of data			
						analysis by computing			
						distributions. The method,			
						including permutation tests, can			
						be easily adapted to many			
			Computational			classical problems. Software			
Fall 2007	STT664	664	Statistics	STT	Statistics	4 used for the course includes	GR	LE	Lecture
						Classical statistical techniques for			
						analysis and interpretation of			
						research dataincluding the use of			
						statistical software packages.			
						Includes descriptive statistics,			
						one- and two-sample inferences,			
			Statistical			regression and correlation			
Fall 2007	STT666	666	Methods I	STT	Statistics	analysis.	GR	LE	Lecture
						Continuation of STT 666.			
						Includes analysis of variance,			
						multiple comparisons, analysis of			
			Statistical			covariance, contingency table			
Fall 2007	STT667	667	Methods II	STT	Statistics	4 analysis, goodness of fit tests.	GR	LE	Lecture

							Randomization, replication,			
							blocking, factoral design. Block			
							designs; multi-factor			
							experiements; fixed-, random-,			
							and mixed-effects models;			
							repeated measures; nested			
							factors; split-plot designs;			
							confounding and fractions for			
			Intro to				2**k factorial experiments.			
			Expermtl				Statistical software used			
Fall 2007	STT669	669	Design	STT	Statistics	4	extensively.	GR	LE	Lecture
			Ind Read in				Independent reading in statistics			Independe
Fall 2007	STT686	686	Stat and Prob	STT	Statistics	1	and probability.	GR	IS	nt Study
			Topics in Stat				Topics in statistics and			Independe
Fall 2007	STT696	696	and Prob	STT	Statistics	1	probability.	GR	IS	nt Study
							Stationary processes, Markov			
							chains, Poisson processes, pure			
			Applied				birth process, queuing			
			Stochastic				processes, inventory problems,			
Fall 2007	STT702	702	Process	STT	Statistics	4	and traffic flow problems.	GR	LE	Lecture
							Introduction to sampling			
							schemes, exploratory data			
							analysis, probability distributions,			
							and statistical methods for			
							environmental data. Confidence,			
							prediction and tolerance			
			Intro				intervals. Introduction to linear			
			Environmental				models, simulation and risk			
Fall 2007	STT706	706	Stat	STT	Statistics	4	assessment, and stochastic	GR	LE	Lecture
							Statistical techniques for the			
							modeling and analysis of spatial			
							and time-series environmental			
							data, including spatio-temporal			
							analysis, using appropriate			
			Environmental				software. Applications and case			
Fall 2007	STT714	714	Statistics	STT	Statistics	4	studies.	GR	LE	Lecture

						Applications of sampling theory			
						•			
		Campling				•			
STT721	721		STT	Statistics		3	GR	l F	Lecture
311721	721	Design	311	Statistics			OIX		Lecture
						•			
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		Catagorical							
STT740	740	•	стт	Statistics		.	CD	LE	Lecture
311740	740	Data Arialysis	311	Statistics		· · · · · · · · · · · · · · · · · · ·	GK	LL	Lecture
						3.1			
		Annlied							
STT744	744		STT	Statistics		3	GR	l F	Lecture
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						•			
		Theory of				3 0			
STT761	761	,	STT	Statistics			GR	l F	Lecture
0.1701	, 51	Ziriodi Wiodels		Statistics		<u> </u>		<u></u>	Locialo
		Topics in							
STT762	762	•	STT	Statistics			GR	l F	Lecture
	STT740 STT744 STT761	STT740 740 STT744 744 STT761 761	Categorical Data Analysis Applied Multivariate Analysis STT744 744 Analysis Theory of Linear Models Topics in	STT721 721 Design STT Categorical Data Analysis STT Applied Multivariate Analysis STT Theory of Linear Models STT Topics in	STT721 721 Design STT Statistics Categorical Data Analysis STT Statistics Applied Multivariate Analysis STT Statistics STT744 744 Analysis STT Statistics Theory of Linear Models STT Statistics Topics in	STT721 721 Sampling Design STT Statistics 4 Categorical Data Analysis STT Statistics 4 Applied Multivariate Analysis STT Statistics 4 Theory of Linear Models STT Statistics 4 Topics in	STT721 721 Design STT Statistics 4 Warner's procedure. Standard techniques for analyzing and describing two-dimensional contingency tables. Logistic regression models and loglinear models developed for data structures involving categorical response variables, including model selection procedures, diagnostics, association graphs, and Categorical Data Analysis STT Statistics 4 collapsibility. SAS procedures Matrix theory, multivariate distributions, likelihood ratio tests, MANOVA, covariance structure analysis, and Applied Multivariate STT Statistics 4 classification techniques. Concepts of matrix algebra and the multivariate normal distribution are developed in order to study the general linear model of full rank. Some Theory of Linear Models STT Statistics 4 applications of regression are Computing techniques and applications of the general linear model. Correlation and	and basic methods of sampling selection. Simple random sampling, systematic sampling, systematic sampling, sampling with probability proportionate to unit size, use of auxiliary estimators, and 4 Warner's procedure. Standard techniques for analyzing and describing two-dimensional contingency tables. Logistic regression models developed for data structures involving categorical response variables, including model selection procedures, diagnostics, association graphs, and 4 collapsibility. SAS procedures Applied Multivariate distributions, likelihood ratio tests, MANOVA, covariance structure analysis, and 4 classification techniques. GR STT744 744 Analysis STT Statistics 4 classification techniques. GR Concepts of matrix algebra and the multivariate normal distribution are developed in order to study the general linear model of full rank. Some Theory of Linear Models STT Statistics 4 applications of regression are Topics in Topics in Correlation and applications of the general linear model. Correlation and	and basic methods of sampling selection. Simple random sampling, systematic sampling, sampling with probability proportionate to unit size, use of auxiliary estimators, and and auxiliary estimators, and and auxiliary estimators, and all dwarner's procedure. Standard techniques for analyzing and describing two-dimensional contingency tables. Logistic regression models and loglinear models developed for data structures involving categorical response variables, including model selection procedures, diagnostics, association graphs, and Categorical STT740 740 Data Analysis STT Statistics 4 collapsibility. SAS procedures GR LE Matrix theory, multivariate distributions, likelihood ratio tests, MANOVA, covariance structure analysis, and Applied Multivariate 4 classification techniques. GR LE Concepts of matrix algebra and the multivariate normal distribution are developed in order to study the general linear model of full rank. Some Theory of Linear Models STT Statistics 4 applications of regression are GR LE Computing techniques and applications of the general linear model. Correlation and

							Continuation of STT 669. Topics			
							from incomplete block designs,			
							blocked and fractional			
							asymmetric factorial designs,			
							mixture experiments, split-plot			
							designs, response surface			
			Taulas in				methods, parameter design,			
F-II 2007	CTT7/4	7/4	Topics in	СТТ	Challalla		hierarchical designs, variance	OD.		1
Fall 2007	STT764	764	Experi Design	STT	Statistics	4	components, mixed models.	GR	LE	Lecture
							Multiple linear regression with			
							introduction to more complicated			
							models, including nonlinear			
							models and up-to-date			
			Applied				computing techniques.			
			Regression				Completion of a mathematical			
Fall 2007	STT767	767	Analys	STT	Statistics	4	statistics course or permission of	GR	LE	Lecture
			Ind Read in				Independent reading in statistics			Independe
Fall 2007	STT786	786	Stat and Prob	STT	Statistics	1	and probability.	GR	IS	nt Study
							Consultation with graduate			
							students and faculty on			
			Statistical				statistical problems arising from			
Fall 2007	STT791	791	Consulting	STT	Statistics	3	research projects.	GR	SE	Seminar
			Topics in Stat				Topics in statistics and			Independe
Fall 2007	STT796	796	and Prob	STT	Statistics	1	probability.	GR	IS	nt Study
			Graduate							Independe
Fall 2007	STT899	899	Research	STT	Statistics	1	Supervised thesis research.	GR	IS	nt Study
			Student				•			
			Initiated							
Fall 2007	SUR600	600	Surgery	SUR	Surgery	2		MD	LE	Lecture
			Intro to							
			General							
Fall 2007	SUR605	605	Surgery	SUR	Surgery	2		MD	CL	Clinical
1 411 2307	00.1000		Intro to	0011	our gory				02	om noar
			Cardiac							
Fall 2007	SUR606	606	Surgery	SUR	Surgery	2		MD	CL	Clinical
1 411 2007	3311000	000	Intro to	3310	our gory				0.	Similoui
			Anesthesiolog							
Fall 2007	SUR607	607	V	SUR	Surgery	2		MD	CL	Clinical
1 dil 2007	3011007	307	J	JUIN	Juigory			יאוט	OL	Onincai

CL LE CL	Clinical Lecture
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CI	Clinical
CL	Cililical
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			Intro to						
			Anesthesiolog						
Fall 2007	SUR826	826	У	SUR	Surgery	4	MD	CL	Clinical
			Cardiac						
Fall 2007	SUR828	828	Surgery	SUR	Surgery	4	MD	CL	Clinical
			JI General						
			Surgery/Trau						
Fall 2007	SUR829	829	ma	SUR	Surgery	8	MD	CL	Clinical
			Advanced LAP						
Fall 2007	SUR830	830	Surgery	SUR	Surgery	8	MD	CL	Clinical
			Colon and						
Fall 2007	SUR831	831	Rectal Surgery	SUR	Surgery	8	MD	CL	Clinical
			General						
Fall 2007	SUR832	832	Surgery	SUR	Surgery	8	MD	CL	Clinical
			Vascular						
Fall 2007	SUR833	833	Surgery	SUR	Surgery	8	MD	CL	Clinical
			Gen'l						
			Office/Operati						
Fall 2007	SUR834	834	ve Urology	SUR	Surgery	8	MD	CL	Clinical
			Anesthesia						
			Pain						
Fall 2007	SUR835	835	Management	SUR	Surgery	8	MD	CL	Clinical
			MED/SUR						
			Ophthalmolog						
Fall 2007	SUR836	836	у	SUR	Surgery	4	MD	CL	Clinical
			Diag/Mgmt						
			Common ENT						
Fall 2007	SUR837	837	Disease	SUR	Surgery	4	MD	CL	Clinical
			Diag/Mgmt						
Fall 2007	SUR838	838	ENT (outlying)	SUR	Surgery	4	MD	CL	Clinical
			PS		9	-			
			Recon/Rsch						
Fall 2007	SUR839	839	Wounds	SUR	Surgery	8	MD	CL	Clinical
			Gen'l						
Fall 2007	SUR840	840	SUR/Oncology	SUR	Surgery	8	MD	CL	Clinical

			JI General							
Fall 2007	SUR841	841	Surgery	SUR	Surgery	8		MD	CL	Clinical
			Trauma							
Fall 2007	SUR842	842	Surgery	SUR	Surgery	8		MD	CL	Clinical
			Thoracic							
Fall 2007	SUR843	843	Surgery	SUR	Surgery	8		MD	CL	Clinical
			Vascular			_				
Fall 2007	SUR844	844	Surgery	SUR	Surgery	8		MD	CL	Clinical
			JI Gen'l							
E !! 0007	0110045	0.45	Surgery,	01.15						
Fall 2007	SUR845	845	UMSA	SUR	Surgery	8		MD	CL	Clinical
			Gen'l SUR/Burn							
Fall 2007	SUR846	846	Service	SUR	Curaoni	0		MD	CL	Clinical
Fall 2007	3UK840	840	Surgical	SUK	Surgery	8		טועו	UL	Cillical
Fall 2007	SUR891	891	Subspecialties	SUR	Surgery	8		MD	CL	Clinical
Fall 2007	SUR900	900	Extramural	SUR	Surgery	4		MD	Н	Hospital
			Soc Work as a		Social		Introduction to the profession: historical development, value base, social systems perspective on social problems, and major fields of practice. Includes required knowledge, skills, and values; critical thinking; problem solving; self-awareness; and appreciation of racial, ethnic, and			
Fall 2007	SW270	270	Profession	SW	Work	4	cultural pluralism.	UG	LE	Lecture
							Study of social welfare and social			
							services in society; introduction			
							to generalist social work			
			Soc Welf &		Social		practice; continued career			
Fall 2007	SW271	271	Soc Services	SW	Work	4	testing. Agency-based field	UG	LE	Lecture

							Introduction to the knowledge,			
							skills and process required to			
							develop cultural compentency.			
							Content covers the historical			
							development of discrimination			
							and the need for cultural			
			Cultural		Social		competency within the U.S. and			
Fall 2007	SW272	272	Competency	SW	Work	4	international communities.	UG	LE	Lecture
			Writing in SW		Social					
Fall 2007	SW272W	272W	272	SW	Work	0		UG	LB	Lab
					110111		Discuss descriptive statistical			
							methods for social science			
							research. Includes theory and			
							application of frequency			
							distributions, graphic			
							representations, measures of			
							central tendency and variability,			Lecture/La
							Statistical Package for Social			b
			Descriptive		Social		Sciences. Introduces probability			Combinatio
Fall 2007	SW291	291	Statistics	SW	Work	4	and measures of association.	UG	LL	n
							Discuss descriptive statistical			
							methods for social science			
							research. Includes theory and			
							application of frequency			
							distributions, graphic			
							representations, measures of			
							central tendency and variability,			
							Statistical Package for Social			
			Descriptive		Social		Sciences. Introduces probability			
Fall 2007	SW291	291	Statistics	SW	Work	4	and measures of association.	UG	LE	Lecture
							Intensive study of a particular			
							problem area, utilizing			
							professionally qualified personnel			
							from academia and the practice			
							community. Specific subtitles to			
			Workshop in		Social		be added with individual			
Fall 2007	SW320	320	Current Prob	SW	Work	1	workshops.	UG	LE	Lecture

							Analysis of human behavior in			
							assessment of social functioning			
							as it relates to social work			
							intervention. Includes ego			
							psychology, social-systems			
			Hum Behav in		Social		theory, role theory, and learning			
Fall 2007	SW375	375	Soc Func	SW	Work	4	theory.	UG	LE	Lecture
							Foundation sequence of			
							generalist social work practice			
							theory. Problem assessment,			
							data collecting, data analysis,			
							intervention methods, and			
							evaluation procedures.			
			Basic Practice		Social		Introduction to task-centered			
Fall 2007	SW380	380	Theory	SW	Work	4	approach.	UG	LE	Lecture
			Writing in SW		Social		Required writing component for			
Fall 2007	SW380W	380W	380	SW	Work	0	SW 380.	UG	LB	Lab
							Selected topics related to current			
			Problems				issues in social work practice;			
			Social Wk		Social		readings, research, and			
Fall 2007	SW389	389	Practi	SW	Work	1	discussion.	UG	LE	Lecture
			Readings in		Social		May be taken for letter grade or			
Fall 2007	SW394	394	Social Work	SW	Work	2	pass/unsatisfactory.	UG	LE	Lecture
							Problems, approached, and			
							topics in the field of social work.			
			Study in Sel		Social		Topics vary. May be taken for			
Fall 2007	SW399	399	Subjects	SW	Work	1	letter grade or	UG	LE	Lecture
							Study of social aspects of aging,			
							the needs of the aging			
			Social		Social		population, and society's			
Fall 2007	SW462	462	Gerontology I	SW	Work	4	response to these needs. (Also	UG	LE	Lecture
			Social		Social		Continuation of social			
Fall 2007	SW463	463	Gerontology II	SW	Work	4	gerontology.	UG	LE	Lecture

							Development, status, and			
							effectiveness of social welfare			
							policies. Application of social			
			Social Welfare		Social		work values and knowledge to			
Fall 2007	SW470	470	Policy	SW	Work	4	current policies, programs, and	UG	LE	Lecture
							Framework for categorizing child			
							welfare problems. Historical and			
							current examination of			
							legislation, policies, programs,			
							and services to address child			
					Social		welfare needs including the role			
Fall 2007	SW473	473	Child Welfare	SW	Work	4	of the child welfare worker.	UG	LE	Lecture
							Supervised learning under			
							direction of faculty and agency			
							staff. 10 weeks/20 hours per			
			Gerontology		Social		week, or 20 weeks/10 hours per			
Fall 2007	SW480	480	Practicum	SW	Work	4	week.	UG	IN	Internship
							In-depth study of generalist			
							social work practice theory for			
			Generalist		Social		the enhancement of social			
Fall 2007	SW481	481	Prac: Individ	SW	Work	4	functioning of individuals.	UG	LE	Lecture
			Writing in SW		Social		Required writing component for			
Fall 2007	SW481W	481W	481	SW	Work	0	SW 481.	UG	LB	Lab
							In-depth study of generalist			
							social work practice theory for			
			Generalist		Social		the enhancement of social			
Fall 2007	SW482	482	Prac: Groups	SW	Work	4	functioning of small groups.	UG	LE	Lecture
							In-depth study of generalist			
							social work practice theory for			
			Generalist		Social		the enhancement of family social			
Fall 2007	SW483	483	Prac: Families	SW	Work		functioning.	UG	LE	Lecture
							In-depth study of generalist			
							social work practice theory for			
			Generalist				the enhancement of social			
			Prac:Orgs&Co		Social		functioning in social welfare			
Fall 2007	SW484	484	mmun	SW	Work	4	organizations and communities.	UG	LE	Lecture

							Application of theory to practice			
							in agency settings. Individual			
							supervised learning experiences			
							and on-site seminars under			
			Soc Work		Social		direction of instructor and			
Fall 2007	SW487	487	Practicum I	SW	Work	4	agency staff.	UG	IN	Internship
							Application of theory to practice			
							in agency settings. Individual			
							supervised learning experiences			
							and on-site seminars under			
			Soc Work		Social		direction of instructor and			
Fall 2007	SW488	488	Practicum II	SW	Work	4	agency staff.	UG	IN	Internship
							Application of theory to practice			
							in agency settings. Individual			
							supervised learning experiences			
							and on-site seminars under			
			Soc Work		Social		direction of instructor and			
Fall 2007	SW489	489	Practicum III	SW	Work	4	agency staff.	UG	IN	Internship
			Writing in SW		Social		Required writing component for			
Fall 2007	SW489W	489W	489	SW	Work	0	SW 489.	UG	LB	Lab
							Sequential study of evaluative			
							research design methodology.			
							Development of criteria for the			
							selection and intelligent use of			
							research reports. Evaluation of			
			Social Work		Social		selected research reports for			
Fall 2007	SW490	490	Research I	SW	Work	4	relevance to social work practice.	UG	LE	Lecture
							Continuation of SW 291 and SW			Lecture/La
			Research				490 with the emphasis of			b
			Methods in		Social		applying inferential statistics			Combinatio
Fall 2007	SW491	491	SW II	SW	Work	4	during Social Work research.	UG	LL	n
			Ind Res in		Social		May be taken for letter grade or			
Fall 2007	SW494	494	Social Work	SW	Work	2	pass/unsatisfactory.	UG	LE	Lecture

						Intensive study of a particular			
						problem area, utilizing			
						ļ.			
						professionally qualified personnel			
						from academia and the practive			
						community. Specific subtitles to			
						be added with individual			
F 11 0007	CVA/EGO	500	Workshop in	CIAI	Social	workshops. May be repeated to	0.0		
Fall 2007	SW520	520	Current Probl	SW	Work	1 a maximum of 12 credit hours.	GR	LE	Lecture
						Generalist social work practice			
						theory. Problem assessment,			
						data collection, data analysis,			
						interventive methods, and			
			Basic Practice		Social	evaluation procedures are			
Fall 2007	SW580	580	Theory	SW	Work	4 studied and simulated.	GR	LE	Lecture
						Variable content dealing with			
						problems, approaches, and			
			Studies in			topics in the field of social work.			
			Selected		Social	Titles vary. May be taken for a			
Fall 2007	SW599	599	Subjects	SW	Work	1 letter grade or	GR	LE	Lecture
						(Also listed as SOC 662.) Social			
						aspects of aging. The needs of			
			Social		Social	the population and society's			
Fall 2007	SW662	662	Gerontology I	SW	Work	4 response to those needs.	GR	LE	Lecture
						(Also listed as SOC 663.)			
			Social		Social	Explores in-depth concepts and			
Fall 2007	SW663	663	Gerontology	SW	Work	4 issues related to aging.	GR	LE	Lecture
						Supervised learning under			
						direction of faculty and agency			
						staff. Ten weeks/twenty hours			
			Gerentology		Social	per week, or twenty weeks/ten			
Fall 2007	SW680	680	Practicum	SW	Work	4 hours per week.	GR	IN	Internship
						In-depth study of generalist			
						social work practice theory for			
			Generalist		Social	the enhancement of social			
Fall 2007	SW681	681	Prac: Individ	SW	Work	4 functioning of individuals.	GR	LE	Lecture
			Writing in SW		Social				
Fall 2007	SW681W	681W	681	SW	Work	0	GR	LB	Lab

						In-depth study of generalist social work practice theory for			
			Generalist		Social	the enhancement of social			
Fall 2007	SW682	682	Pract: Groups	SW	Work	4 functioning as small groups.	GR	LE	Lecture
1 411 2007	344002	002	Tract. Groups	344	VVOIR	In-depth study of generalist	OIX		Eccture
						social work practice theory for			
			Generalist		Social	the enhancement of family social			
Fall 2007	SW683	683	Prac: Families	SW	Work	4 functioning.	GR	LE	Lecture
						In-depth study of generalist			
			Generalist			social work practice theory for			
			Prac:		Social	the enhancement of social			
Fall 2007	SW684	684	Orgs&Comm	SW	Work	4 welfare organizations and	GR	LE	Lecture
						First course in a two quarter			
						sequence study of evaluation			
						research methodology. Criteria			
						for intelligent consumption of			
			Research			research reports. Evaluation of			
			Methods in		Social	selected research reports for			
Fall 2007	SW690	690	SW I	SW	Work	4 relevance to social work practice.	GR	LE	Lecture
						Second course in a two quarter			
						sequence study with the			Lecture/La
			Research			emphasis of applying inferential			b
			Methods in		Social	statistics during social work			Combinatio
Fall 2007	SW691	691	SW II	SW	Work	4 research.	GR	LL	n
			Dir Studies		Social				
Fall 2007	SW694	694	Social Work	SW	Work	2	GR	LE	Lecture
						The Social Work Foundation			
						Courses include content in			
						human behavior in the social			
						environment, social welfare			
			SW			policies and programs, social			
			Foundation		Social	work practice, and social work			
Fall 2007	SW695	695	Topics	SW	Work	3 research.	GR	LE	Lecture

						Development of financial
						accounting theory and its
						application to complex problems
						in the valuation of balance sheet
					Technical	accounts, determination of the
			Financial		Accountin	net income, and preparation of
Fall 2007	TAC210	210	Accounting I	TAC	g	3 financial statements. UG LE Lecture
1 411 2007	1710210	210	7.ccounting 1	1710	9	Development of financial
						accounting theory and its
						application to complex problems
						in the valuation of balance sheet
					Technical	acounts, determination of net
			Financial		Accountin	income, and preparation of
Fall 2007	TAC211	211	Accounting II	TAC	g	3 financial statements. UG LE Lecture
1 411 2007	1710211	211	Accounting II	1710	9	Practice of cost accounting and
					Technical	cost procedures in industry: job
			Cost		Accountin	order, process, and standard
Fall 2007	TAC220	220	Accounting I	TAC	g	3 cost methods. UG LE Lecture
2007	1710220		7.000 0.111119 1		9	Practice of cost accounting and
					Technical	cost procedures in industry: job
			Cost		Accountin	order, process, and standard
Fall 2007	TAC221	221	Accounting II	TAC	g	3 cost methods. UG LE Lecture
					3	Familiarization of payroll
						accounting systems,
						understanding tax laws in
					Technical	relation to payroll, and practical
			Payroll		Accountin	application to records and
Fall 2007	TAC224	224	Accounting	TAC	g	3 related tax forms. UG LE Lecture
					Technical	Income tax regulations related to
			Tax		Accountin	business and individual income
Fall 2007	TAC225	225	Accounting I	TAC	g	3 tax reporting. UG LE Lecture
					Technical	Income tax regulations related to
			Tax		Accountin	business and individual income
Fall 2007	TAC226	226	Accounting II	TAC	g	3 tax reporting. UG LE Lecture

Fall 2007	TAC260	260	Computerized Accounting	TAC	Technical Accountin g	Study of software programs for accounting applications. Reviews the process of set-up, initial entries, and analysis of data complied.	UG	LE	Lecture
					Technical	Introduction to priniples, procedures, and standards			
					Accountin	involved in the conduct of an			
Fall 2007	TAC280	280	Auditing	TAC	g	3 audit by an accountant.	UG	LE	Lecture
			Independent		Technical Accountin	Directed study on selected			Independe
Fall 2007	TAC295	295	Study	TAC	g	1 topics.	UG	IS	nt Study
			Studies in Selected		Technical Accountin	Problems, approaches, and topics in the field of accounting. Titles vary. May be taken for a			
Fall 2007	TAC297	297	Subjects	TAC	g	1 letter grade or	UG	LE	Lecture
					Technical Accountin	Practical business experience in accounting for qualified students under the joint planning and coordination of faculty, student,			
Fall 2007	TAC299	299	Internship	TAC	g	4 and business representative.	UG	IN	Internship
					Technical	The study of law as it relates to business organizations and transactions. Considers the nature and classification of law, courts, torts, contracts, corporations, and negotiable			
Fall 2007	TAD200	200	Business Law	TAD	Admin	4 instruments.	UG	LE	Lecture
					Technical	Programming elements of BASIC language; techniques for debugging and interpreting computer output; linkage to subroutines and overlays; filestructure involving sequential			
					Data Processin	access; case studies with business applications. 3 hours			
Fall 2007	TDP130	130	Basic I	TDP	g	4 lecture, 2 hours lab.	UG	LE	Lecture

						Use of the electronic			
						spreadsheet as an integrated			
						program that combines			
						spreadsheet processing, word			
						processing, and data base			
						management software with			
						graphics capabilities. Emphasis			
						on how to save, retrieve, extract			
					Technical	data, create a spredsheet, and			Lecture/La
					Data	use worksheet commands,			b
			Electronic		Processin	database commands, and			Combinatio
Fall 2007	TDP210	210	Spreadsheets	TDP	g	3 graphic commands. Two hours	UG	LL	n
						Use of the electronic			
						spreadsheet that incorporates			
					Technical	use of macros, database			Lecture/La
			ADV		Data	functions, logical functions and			b
			Spreadsheet		Processin	operations, and /X Commands.			Combinatio
Fall 2007	TDP211	211	Application	TDP	g	3 2 hours lecture, 2 hours lab.	UG	LL	n
						An introduction to the			
						fundamental concepts of			
						systems development and			
						design. Topics included are:			
						basic system concepts, planning,			
					Technical	elements of systems, performing			Lecture/La
					Data	sysstems study, and alternatives			b
			Systems		Processin	in systems design. 2 hours			Combinatio
Fall 2007	TDP221	221	Analysis I	TDP	g	3 lecture, 2 hours lab.	UG	LL	n
						The student must design and			
						implement an information			
						system from managerial			
						perspective. This will include			
						analysis of present information			
					Technical	flow, systems specifications,			Lecture/La
					Data	equipment selection, and system			b
			Systems		Processin	effectiveness. 2 hours lecture, 2			Combinatio
Fall 2007	TDP222	222	Analysis II	TDP	g	3 hours lab.	UG	LL	n

Fall 2007	TDP230	230	Intro To Operating Systems	TDP	Technical Data Processin g Technical Data	Introduction to the concepts of computer operating systes and resource allocation. Topics will include executive options, layred products, multiprocessing and multiprogramming options, utility functions, and memory management. Laboratory assignments will consist of generating and tailoring a usable operating system with layered products. 2 hours lecture, 4 hours lab.	UG	LL	Lecture/La b Combinatio n
F-II 2007	TDDOOL	205	Independent	TDD	Processin	topics. May be taken for letter	110	16	Independe
Fall 2007	TDP295	295	Study Studies Selected	TDP	Technical Data Processin	1 grade or pass/unsatisfactory. Problems, approaches, and topics in the field of data processing. Titles vary. May be taken for letter grade or	UG	IS	nt Study
Fall 2007	TDP297	297	Topics	TDP	g Technical Data Processin	1 pass/unsatisfactory. Practical data processing experience under the joint planning and coordination of faculty, student, and buisness representative. May be taken for letter grade or pass/unsatisfactory. Completion of 60 hours of course work	UG	LE	Lecture
Fall 2007	TDP299	299	Internship	TDP	g	4 required.	UG	IN	Internship

						Emphasis on classic probability as it serves the pratical tools of statistical process control and single, double, sequential, variable and continuous sampling plans. Includes basic concepts	
					Technical	of statistics and probability, sampling, process quality,	
			Statistical Proc		Engineeri	control charts, acceptance	
Fall 2007	TEG131	131	Control	TEG	ng	3 sampling, and an introduction to UG LE	Lecture
			Development of EGR &		Technical Engineeri	Historical perspective of the development of engineering, science, and technology, including the interrelationship of	
Fall 2007	TEG141	141	TECH	TEG	ng	2 technology and society. UG LE	Lecture
						Basic concepts of engineering drawing applied to manual and computer-aided drafting. Orthographic projection to produce complete multi-view drawings. Computer basics for	Lecture/La
					Technical Engineeri	drawing set-up, constructionm and file management. 2 hours	b Combinatio
Fall 2007	TEG145	145	CAD I	TEG	ng	4 lecture, 4 hours lab.	n
					Technical Engineeri		Lecture/La b Combinatio
Fall 2007	TEG146	146	CAD II	TEG	ng	4 UG LL	n

Fall 2007	TEG150	150	Manufacturing I	TEG	Technical Engineeri ng	An introduction to many of the basic tools, machines, and measuring instruments used in the manufacturing industry. Emphasizes safety in the operation of industrial metalworking equipment, understanding material cutting science, and logical process decisions. Lab work will emphasize turning operations and permanent metal joining techniques. 2 hours lecture, 2 hours lab. Prerequisite:TMT 113 or permission of instructor.	JG	LL	Lecture/La b Combinatio n
Fall 2007	TEG151	151	Manufacturing	TEG	Technical Engineeri	A continuation of TEG 150. Course will involve further discussion of manufacturing processes as well as hands-on machining experience. Lab work will emphasize milling operations, welding operations and EDM machining. 2 hours lecture, 2 hours lab. Prerequisite:		LL	Lecture/La b Combinatio
Fall 2007	TEG152	152	Automated Manufacturing	TEG	Technical Engineeri	An introduction to the operation and programming of computer numerically controlled equipment. The student will learn the process of writing and aditing CNC programs and the basic principles of CAD-CAM		LL	Lecture/La b Combinatio

						A standay stay was 11	ıla		
						A step-by-step process through			
						the operation of computer-aid	led-		
						manufacturing software to			
						manipulate part programs and	k		
						produce standard CNC code.			
						Will use the basic principles o	f		
						CAD for product design and C	AM		
						to set-up tool paths, offsets,	and		
						other required information to			
						produce the CNC codes and			
						manufacture the parts. 2 hou	ırs		Lecture/La
					Technical	lecture. 4 hours lab.			b
			Manufacturing		Engineeri	Prerequisite: TEG 152, TMT 1	14		Combinatio
Fall 2007	TEG153	153	II	TEG	ng	4 pr permission of instructor.	UG	LL	n
					9	Electricity, voltage, power and	i		
						energy. Symbology per indus	try		
						standards. Series, parallel an	•		
						combination circuits and their			
						applications. Introduction to	AC		
						quantities, including magnetic			
						capacitive and inductive			
						quantities. Fundamental			Lecture/La
					Technical	operation of motors and			b
			Fund of AC/DC		Engineeri	generators. 2 hours lecture,	4		Combinatio
Fall 2007	TEG160	160	Electronics	TEG	ng	4 hours lab.	UG	LL	n
					1.9	Semiconductor theory			
						fundamentals and application	S		
						• •			
						• •	nd		
						_			
							nav		
							-		Lecture/La
					Technical		-		b
			Indus Control						~
Fall 2007	TFG161	161		TFG	_		UG	П	n
Fall 2007	TEG161	161	Indus Control Circuits	TEG	Technical Engineeri ng	Application of AC/DC fundamentals using motors at controllog circuits. Ladder diagrams, sequential analysis and evaluaation of of symbols used in control dircuits. Basis of programmable logic controllers are introduced. 2 hours lecture, 4 hours lab.	ogy	LL	Combinat

						Forces, resulants. components,			
						moments; euilibrium of particles			
						and rigid bodies; analysis of			
						structures; centroids and			
					Technical	moments of inertia. 4 hours			
					Engineeri	lecture. Prerequisite: TMT 115,			
Fall 2007	TEG201	201	Statics	TEG	ng	4 PHY 111, 101L	UG	LE	Lecture
						Motion of particles and rigid			
						bodies; displacement, velocity,			
						acceleration, force, and mass;			
						torque, mass moments of			
						inertia,rotation; work-energy			
					Technical	relation fo rparticles and rigid			
					Engineeri	bodies. 4 hours lecture.			
Fall 2007	TEG202	202	Dynamics	TEG	ng	4 Prerequisite: TEG 201	UG	LE	Lecture
						Axial stress and strain, shear			
						stress and strain, torsion of			
						circular shafts, combined			
						stresses; shear and bending			
						moment diagrams; deflection of			
					Technical	beams and columns; modes of			
			Strength of		Engineeri	failure. 4 hours lecture.			
Fall 2007	TEG203	203	Materials	TEG	ng	4 Prerequisite: TEG 202	UG	LE	Lecture
						Studies the relationship of CAD			
						and CAM operations. Student			
						will use 3D models as a database			
						for automated code generation			Lecture/La
					Technical	and manufacture of products on			b
			CAD/CAM		Engineeri	standard CNC machines. 2 hours			Combinatio
Fall 2007	TEG205	205	Operations	TEG	ng	4 lab, 4 hours lab.	UG	LL	n

This course is primarily concerned with development of reproducable pictorials-obliques, isometrics, axonometrics, perspectives, and autoshade drawings. Use of MICROCAD will help to make the transition from mechanical drawing to geometric Comb Fall 2007 TEG206 206 Illustration TEG ng 4 modeling. 2 hours lecture, 4 UG LL n Gasic study of hydrolics and pneumatics. Applications of hydraulic principles to industrial control systems and compressed
reproducable pictorials-obliques, isometrics, axonometrics, perspectives, and autoshade drawings. Use of MICROCAD will help to make the transition from mechanical drawing to geometric Comb Homology of hydrolics and pneumatics. Applications of hydraulic principles to industrial
isometrics, axonometrics, perspectives, and autoshade drawings. Use of MICROCAD will help to make the transition from mechanical drawing to geometric Comb modeling. 2 hours lecture, 4 UG LL n Gasic study of hydrolics and pneumatics. Applications of hydraulic principles to industrial
perspectives, and autoshade drawings. Use of MICROCAD will help to make the transition from mechanical drawing to geometric Comb Hall 2007 TEG206 206 Illustration TEG ng 4 modeling. 2 hours lecture, 4 UG LL n Gasic study of hydrolics and pneumatics. Applications of hydraulic principles to industrial
Technical Technical Engineeri TeG206 206 Illustration TEG ng 4 Market states and pneumatics. Applications of hydraulic principles to industrial
Technical Engineeri mechanical drawing to geometric Comb modeling. 2 hours lecture, 4 UG LL n Gasic study of hydrolics and pneumatics. Applications of hydraulic principles to industrial
Fall 2007 TEG206 206 Illustration TEG ng mechanical drawing to geometric ng mechanical
Fall 2007 TEG206 206 Illustration TEG ng 4 modeling. 2 hours lecture, 4 UG LL n Gasic study of hydrolics and pneumatics. Applications of hydraulic principles to industrial
Gasic study of hydrolics and pneumatics. Applications of hydraulic principles to industrial
pneumatics. Applications of hydraulic principles to industrial
hydraulic principles to industrial
control systems and compressed
Technical air systems to common industrial
Fluid Engineeri control circuits. Prerequisites:
Fall 2007 TEG209 209 Mechanics TEG ng 3 PHY 111, 101L; TMT 113 UG LE Lectur
An introduction to the basic
concepts of semiconductor
devices and their applications.
Diode and bipolar transistors are
discussed. Diode applications -
half wave rectifier, bridge
rectifier, and power supply are
covered. Class A amplifier gain,
input and output impedance,
bias techniques, and transistor Lectur
Technical configurations are explained. 2 b
Engineeri hours lecture, 4 hours lab. Comb
Fall 2007 TEG210 210 Electronics I TEG ng 4 Prerequisite: TEG 161. UG LL n
Will begin with basic PC
fundamentals and continue
through the study of higher level
languages using BASIC for
solution of engineering Lectur
Comput Technical problems. Typical PC b
Programming Engineeri applications are presented. 2 Comb
Fall 2007 TEG211 211 Tech TEG ng 3 hours lecture, 4 hours lab. UG LL n

Fall 2007	TFC212	212	Materials	TEG	Technical Engineeri	The fundamental chemistry and application of chemistry and physics to the commonly endountered engineering materials including ferrous and non-ferrous metals, ceramics, polymers, and composites. 3 4 hours lecture, 2 hours lab.	110		Lecture/La b Combinatio
raii 2007	TEG212	212	Science	TEG	ng	Material flow, warehousing,	UG	LL	n
						quantitive techniques,			
						estimating, planning, and design			
						of industrial and service facilities			
						with emaphasis on material			
						handling, production and office			
					Technical	layout, management, personnel,			
	TE0010	0.1.0	- III. 5 I		Engineeri	aesthetics, and the environment.		. –	
Fall 2007	TEG218	218	Facility Design	TEG	ng	3 3 hours lecture.	UG	LE	Lecture
						To introduce the student to a			
						comprehensive approach to the central factors involved in			
						developing safe practices and			
						conditions. Imparts in the			
						student the ability to set up			
						safety organizations and conduct			
						safety education and training.			
						Gives the student the ability to			
						recognize the effect of plant			
						layout, mechanical guards, and			
						the occupational health hazzards			
						on injury rates and accident			
						costs. Imparts in the student			
						the economic and engineering			
						aspects of fire protection,			
					Technical	personal protection equipment,			
			Industrial		Engineeri	industrial waste disposal, and the			
Fall 2007	TEG219	219	Safety	TEG	ng	3 analysis of a safety program.	UG	LE	Lecture

							Continuation in the discussion of transistor amplifiers. AC load line, class B power amplifier, and			
							transformer couplings are discussed. JFET, E-MOSFET, D-			
							MOSFET, transistors, their			Lecture/La
					Technical		biasing techniques, and			b
					Engineeri		applications are introduced. 2			Combinatio
Fall 2007	TEG220	220	Electronics II	TEG	ng	4	hours lecture, 4 hours lab.	UG	LL	n
1 411 2007	120220	220	Licetronics II	120	nig .		Application programming course	00		
							on automated manufacturing.			
							Robotic programming with			
							pendant and BASIC. Cell			
							interfacing; robot, CNC, and			Lecture/La
					Technical		support devices operating in a			b
			Automation &		Engineeri		BASIC programming			Combinatio
Fall 2007	TEG221	221	Robotics	TEG	ng	4	environment. 2hours lecture, 4	UG	LL	n
1 4.11 2007				0	9		An overview of the concepts of			
							work measurement and its use in			
							the industrial environment. The			
							techniques behind time and			
							mothin study, work sampling,			
							predetermined time systems,			
							and standard data will be			
							studied. Emphasis will be on			
							understanding the application			
							and ramification of work			
							measurement in manufactoring			
							organizations. Will explore the			
							Continuous Improvement			
							concept, or Just-in-Time (JIT)			
							and how it is impacted by work			
							measurement. Will visist the			
							related disciplines of production			
					Technical		management, capacity analysis,			
			Work		Engineeri		and manufacturing flow and			
Fall 2007	TEG225	225	Measurement	TEG	ng	3	facilities. 3 hours lecture.	UG	LE	Lecture

						This is a first course dealing with the terminology and designations			
						of materials used in			
						manufacturing and emphasizes			
						the relation between the nature			
						of materials and their properties.			
						The altering of properties for			
					Technical	design purposes and methods of			
					Engineeri	comparing and testing materials			
Fall 2007	TEG226	226	Metallurgy	TEG	ng	3 for selection are covered.	UG	LE	Lecture
1 411 2007	120220	220	Metallurgy	TLO	rig	Introduction of differential and	00	LL	Lecture
						operational amplifier and their			
						various applications. Summing			
						amplifier, integrator, comparator			
						active filter, and oscillators are	'		
						discussed. 555 timer and solid			
					T	stat switching circuit such as			Lecture/La
					Technical	Schmitt trigger and multivibrator			D
- U 0007	TE 0000			TE 0	Engineeri	are introduced. 2 hours lecture,			Combinatio
Fall 2007	TEG230	230	Electronics III	TEG	ng	4 4 hours lab. Prerequisite: TEG	UG	LL	n
						Motors, transformers,			
						components used in electrical			
						control circuits such as contacts,			
						relays, timers, etc. phase shift			
						control, photo-electric control,			
						time delay circuits, static			Lecture/La
					Technical	switching, and servo-			b
			Industrial		Engineeri	mechanisms. 2 hours lecture, 4			Combinatio
Fall 2007	TEG232	232	Electronics	TEG	ng	4 hours lab. Prerequisite: TEG	UG	LL	n

					Technical	Industrial processes: types, examples, and common problems. Sensors used in industrial processes. Fundamentals of industrial control. Programmable controllers: programming, hardware, operation, applications, installation,			Lecture/La
Fall 2007	TEG233	233	Process Control	TEG	Engineeri ng	maintenance, and 3 troubleshooting. 2 hours lecture,	IIC	LL	Combinatio n
			Industrial		Technical Engineeri	A study of components that make up a tyupical industrial control system. Various sensor and control subsystems are evaluated both individually and in combination. Industrial applications of lasers and fiber optics are studied both with regard to sensor and data communication usage. 2 hours lecture, 4 hours lab.			Lecture/La b Combinatio
Fall 2007	TEG235	235	Systems	TEG	ng Technical Engineeri	4 Prerequisite: TEG 232. Boolean algebra, combination logic, and more complex digital circuits such as flip-flops, registers, counters, decoders. encoders, multiplexers, adder, and timers. 2 hours lecture, 4 hours lab. Prerequisite: TMT	UG	LL	Lecture/La b Combinatio
Fall 2007	TEG240	240	Digital Logic	TEG	ng	4 113 or permission of instructor.	UG	LL	n

							This course extensively covers			
							8086 assembly and machine			
							language programming. The			
							internal functionality of current			
							microcomputers are presented			
							along with basic system			
							architecture and multiplexed			Lecture/La
					Technical		display circuitry. 3 hours lecture,			b
			Microprocesso		Engineeri		2 hours lab. Prerequisite: TEG			Combinatio
Fall 2007	TEG241	241	rs I	TEG	ng	4	240 or permission of instructor.	UG	LL	n
1 411 2007	120211	211	131	120	119	•	A continuation of TEG 241			
							expanding the study to include			
							typical microcomputer subsytems			
							such as keyboards, floppy and			
							hard disc systems, dot matrix			
							and laser printers, and video			
							interfaces. Diagnostic			Lecture/La
					Technical		techniques are presented and			h
			Microprocesso		Engineeri		practiced. 3 hours lecture, 2			Combinatio
Fall 2007	TEG242	242	rs II	TEG	ng		hours lab. Prerequisite: TEG	UG	LL	n
1 411 2007	120212		1011	120	9	•	Continuation of TEG 242 will			
							cover hardware, software, and			
							repair of complete			
							microcomputer applications.			
							CAD, communications systems,			
							control systems, and			Lecture/La
					Technical		measurement applications are			b
			Microprocesso		Engineeri		presented. 3 hours lecture, 2			Combinatio
Fall 2007	TEG243	243	rs III	TEG	ng	4	hours lab. Prerequisiste: TEG	UG	LL	n
		2.0		0	9	<u> </u>	Methods of transmission of			
							digital data are studied,			
							particularly modems and Lan's.			
							Exposure to setup, installation,			Lecture/La
			Electronic		Technical		and troubleshooting is given. 2			b
			Communicatio		Engineeri		hour lecture, 2 hours lab.			Combinatio
Fall 2007	TEG250	250	ns	TEG	ng	3	Prerequisite: TEG 242.	UG	LL	n

						Drovidos studente with CAD			
						Provides students with CAD			
						techniques on computer			
						operating systems and software			
						customization with the use of			
						macro and menus. This course			
						covers adapting a CAD system to			
						one's own needs. The principles			
						of 3d drawing will be covered.			
						The student will learn to use the			
						User Coordinate System and			
						other AutoCAD options to create			Lecture/La
					Technical	and view pictorial views of			b
					Engineeri	objects. 2 hors lecture, 6 hours			Combinatio
Fall 2007	TEG270	270	CAD II	TEG	ng	5 lab. Prerequisite: TEG 170.	UG	LL	n
1 411 2007	120270	270	OND II	120	Technical	o lab. Trerequisite. TEG 170.			
			Independent		Engineeri	Directed studies on selected			Independe
Fall 2007	TEG295	295	Study	TEG		1 topics.	UG	IS	nt Study
1 411 2007	110273	273	Study	ILO	ng	Problems, approaches, and	00	13	Tit Study
			Studies in		Technical	topics in the field of engineering.			
			Selected						
F-II 2007	TEC207	207		TEC	Engineeri	Titles vary. May be taken for	110		1 +
Fall 2007	TEG297	297	Subjects	TEG	ng	1 letter grade or	UG	LE	Lecture
						Helps students develop and			
						improve writing skills. Subject			
						areas includes grammar,			
						sentence structure, paragrah			
						development, essay writing, and			
						proof reading. Cannot be			
					Technical	applied toward graduation.			
Fall 2007	TEN085	085	Basic Writing	TEN	English	4 Graded pass/unsatisfactory.	UG	LE	Lecture

							Introduction to basic concents			
							Introduction to basic concepts,			
							principles, and analytical			
							techniques of financial			
							management. Emphasis on			
							planning and managing assests,			
							and financial structure decisions.			
							Topics include asset			
							management, capital budgeting,			
							cost of capital, financial leverage,			
							and the demands for funds in			
							the business sector of the			
							economy. Forms of business			
			Business		Technical		financing and fundamental			
Fall 2007	TF1205	205	Finance	TFI	Finance	3	concepts of capital budgeting	UG	LE	Lecture
			Sem in Slct				Various topics to be covered			
			Real Estate		Technical		depending upon demand and			
Fall 2007	TF1236	236	Topics	TFI	Finance	3	instructor's objectives.	UG	LE	Lecture
										Lecture/Re
							Half-hour musical theatre voice			citation
			Musical				lessons per week for theatre			Combinatio
Fall 2007	TH100	100	Theatre Voice	TH	Theatre	1	majors only.	UG	LR	n
			Intro				General survey of technical			
			Technical				aspects of theatre including its			
Fall 2007	TH102	102	Theatre	TH	Theatre	3	personnel and organization.	UG	LE	Lecture
							For acting majors only.			
							Application of the International			Lecture/La
							Phonetic Alphabet and			b
			Vocal Prod &				understanding the physiological			Combinatio
Fall 2007	TH103	103	IPA-Actor	TH	Theatre	2	structure of the vocal	UG	LL	n
2007						<u></u>	on actains on this result			Lecture/La
							Basic training in the International			b
			IPA for				Phonetic Alphabet for musical			Combinatio
Fall 2007	TH104	104	Singing Actors	TH	Theatre	1	theatre acting majors.	UG	LL	n
2 2007			5gg / 101013	1		<u>'</u>	Departmental majors only.			Lecture/La
			Vocal				Basics of singing and application			b
			Production				of International Phonetic			Combinatio
Fall 2007	TH105	105	and IPA	TH	Theatre	1	Alphabet.	UG	LL	n
. 411 2007	111100	100	and it it	1	11100110		, uprideoti			• • • • • • • • • • • • • • • • • • • •

							Introduces basics of rhythm,			Lecture/La
							melody, sight-singing, and			b
			Music Theory-				musical theatre piano in a group			Combinatio
Fall 2007	TH106	106	Actors I	TH	Theatre	2	class.	UG	LL	n
							Second term of course covering			Lecture/La
							basics of rhythm, melody, sight-			b
			Music Theory				singing, and musical theatre			Combinatio
Fall 2007	TH107	107	Actors-II	TH	Theatre	2	piano in a group class.	UG	LL	n
							Third term of course covering			Lecture/La
							basics of rhythm, melody, sight-			b
			Music Theory				singing, and musical theatre			Combinatio
Fall 2007	TH108	108	Actors III	TH	Theatre	2	piano in a group class.	UG	LL	n
							Participation in university theatre			
			Theatre Mgmt				productions; specific			
Fall 2007	TH110	110	Activities	TH	Theatre	1	assignments determined at initial	UG	LE	Lecture
							For acting majors only. All			
							students must have auditioned			Lecture/Re
							for and received departmental			citation
			Singing for the				approval before registering for			Combinatio
Fall 2007	TH115	115	Actor I	TH	Theatre	1	this class.	UG	LR	n
							For acting majors only. All			
							students must have auditioned			Lecture/Re
							for and received departmental			citation
			Singing for the				approval before registering for			Combinatio
Fall 2007	TH116	116	Actors I	TH	Theatre	1	this class.	UG	LR	n
							For acting majors only. All			
							students must have auditioned			Lecture/Re
							for and received departmental			citation
			Singing for the				approval before registering for			Combinatio
Fall 2007	TH117	117	Actor I	TH	Theatre	1	this class.	UG	LR	n
										Lecture/La
										b
			Make-Up for				Theory and practice of stage			Combinatio
Fall 2007	TH120	120	the Theatre	TH	Theatre	2	makeup.	UG	LL	n
										Lecture/La
							Drawing for the theatrical			b
			Th Graphics I:				designer with emphasis on			Combinatio
Fall 2007	TH124	124	Fundamntls	TH	Theatre	2	fundamentals.	UG	LL	n

										Lecture/La
			Theatre				Drawing for the theatrical			b
			Graphics I:				designer with emphasis on			Combinatio
Fall 2007	TH125	125	Media	TH	Theatre	2	media.	UG	LL	n
										Lecture/La
							Drawing for the theatrical			b
			Th Graphics I	:			designer with emphasis on			Combinatio
Fall 2007	TH126	126	Concepts	TH	Theatre	2	concepts.	UG	LL	n
										Lecture/La
							Physical and vocal training for			b
			Acting				freshmen acting majors. Graded			Combinatio
Fall 2007	TH141	141	Warmup	TH	Theatre	1	pass/unsatisfactory.	UG	LL	n
										Lecture/La
							Physical and vocal training for			b
			Acting				freshmen acting majors. Graded			Combinatio
Fall 2007	TH142	142	Warmup	TH	Theatre	1	pass/unsatisfactory.	UG	LL	n
							Physical and vocal training for			Lecture/La
							freshmen acting majors, third			b
			Acting				term. Graded			Combinatio
Fall 2007	TH143	143	Warmup	TH	Theatre	1	pass/unsatisfactory.	UG	LL	n
										Lecture/La
							Training imagination, mind,			b
							body, and voice of the beginning			Combinatio
Fall 2007	TH144	144	Acting I	TH	Theatre	3	actor.	UG	LL	n
										Lecture/La
							Training imagination, mind,			b
							body, and voice of the beginning			Combinatio
Fall 2007	TH145	145	Acting I	TH	Theatre	3	actor.	UG	LL	n
										Lecture/La
							Training imagination, mind,			b
							body, and voice of the beginning			Combinatio
Fall 2007	TH146	146	Acting I	TH	Theatre	3	actor.	UG	LL	n

						Generalized acting course that			
						includes various aspects of			
						movement, vocal technique,			
						improvisation, and scene work			
						Designed for students who are			Lecture/La
						•			b
			Action			emphasizing the technical area			Combinatio
Fall 2007	TH147	147	Acting Aesthetics	TH	Theatre	of the arts. For technical desig	UG	LL	
Fall 2007	11147	147	Aestrietics	ІП	тпеане	2 majors only. Generalized acting course that		LL	n
						9			
						includes various aspects of			
						movement, vocal technique,			
						improvisation, and scene work			
						Designed for students who are			Lecture/La
						emphasizing the technical area			b
			Acting			of the arts. For technical desig			Combinatio
Fall 2007	TH148	148	Aesthetics	TH	Theatre	2 majors only.	UG	LL	n
						Generalized acting course that			
						includes various aspects of			
						movement, vocal technique,			
						improvisation, and scene work			
						Designed for students who are			Lecture/La
						emphasizing the technical area			b
			Acting			of the arts. For technical desig			Combinatio
Fall 2007	TH149	149	Aesthetics	TH	Theatre	2 majors only.	UG	LL	n
									Lecture/Re
			Singing-						citation
			Musical			Private singing lessons for			Combinatio
Fall 2007	TH157	157	Theatre	TH	Theatre	2 musical theatre acting majors.	UG	LR	n
									Lecture/Re
			Singing-						citation
			Musical			Private singing lessons for			Combinatio
Fall 2007	TH158	158	Theatre	TH	Theatre	2 musical theatre majors.	UG	LR	n
									Lecture/Re
			Singing-						citation
			Musical			Private singing lessons for			Combinatio
Fall 2007	TH159	159	Theatre	TH	Theatre	2 musical theatre majors.	UG	LR	n

						Student actors are directed by			
						faculty in mainstage or studio			
						theatre productions. May be			
						repeated up to eight credits.			
			Rehearsal &			Departmental permission and			
Fall 2007	TH200	200	Performance	TH	Theatre	audition required.	UG	RE	Recitation
1 411 2007	111200	200	Terrormance		THEATTE	 Introduction to the sound design	00	INE.	Recitation
						and production processes, such			
						as script analysis, artistic and			
						aesthetic choices, equipment			
			Sound Design			use/terminolgy, recording and			
Fall 2007	TH202	202	I	TH	Theatre	assembly techniques.	UG	ST	Studio
1 411 2007	111202	202			modific	Critical study of contemporary		01	otdaio
						theatre and its standards and			
						production methods. Attendance			
						at several current productions			
			Contemporary			required. Theatre tickets must			
Fall 2007	TH203	203	Theatre	TH	Theatre	be purchased by the student.	UG	LE	Lecture
1 411 2007	111200	200	THOUGH 0		modilo	Participation in the operation of			200141.0
						a production shop. Introduces			
						students to the fundamentals of			
						theatre technology, emphasizing			
						basic processes and materials.			
						Participation in selected			
						department productions			
			Theatre			required. For B.F.A. technology			
Fall 2007	TH210	210	Technology	TH	Theatre	majors only.	UG	LB	Lab
						Introduction to the many arts of			
						the theatre including the roles of			
						the actor, playwright, director,			
						designer, critic, and audience.			
						Selected scripts from			
						representative historical periods			
						are examined as an aid in			
			Theatre West			understanding the theatrical			
Fall 2007	TH214	214	Culture	TH	Theatre	event.	UG	LE	Lecture

						For acting majors only. All students must have auditioned for and received departmental			Lecture/Re citation
			Singing for the			approval before registering for			Combinatio
Fall 2007	TH215	215	Actor II	TH	Theatre	1 this class.	UG	LR	n
						For acting majors only. All			
						students must have auditioned			Lecture/Re
						for and received departmental			citation
F 11 0007	T1104 /	04.6	Singing for the		-	approval before registering for			Combinatio
Fall 2007	TH216	216	Actor II	TH	Theatre	1 this class.	UG	LR	n
						For acting majors only. All			Lastura /Da
						students must have auditioned			Lecture/Re citation
			Cinging for the			for and received departmental			Combinatio
Fall 2007	TH217	217	Singing for the Actor II	TH	Theatre	approval before registering for 1 this class.	UG	LR	
raii 2007	111217	217	ACIOI II	111	meatre	The study of the aesthetics,	UG	LK	n
						processes and tools of theatrical			
						lighting design. Emphasis on			
						technical aspects of stage			
						lighting, with an introduction to			
						light design principles. Script			
						analysis, research, color theory,			
			Stage Lighting			equipment, design			
Fall 2007	TH219	219	I	TH	Theatre	3 documentation.	UG	ST	Studio
2007						Introduction to theory and			0100.0
						practice of theatre technology			
						with study of the materials and			
						techniques involved. Includes			
						practice in construction,			
						mounting, and running of			
Fall 2007	TH220	220	Stagecraft	TH	Theatre	3 productions.	UG	LE	Lecture

Fall 2007	TH222	222	Theatre Production	TH	Theatre	Practical study of technical theatre technology with study of the materials and techniques involved. Includes practice in construction, mounting, and running of productions. May be repeated for maximum of nine credit hours applicable toward 2 degree.	UG	LB	Lab
raii 2001	ΙΠΖΖΖ	222	FIUUUCUUII	ІП	Heaut	Introduction to and practice with	UG	LD	Lecture/La
						the basic graphics tools,			b
			Th Graphics			materials, and techniques used			Combinatio
Fall 2007	TH224	224	II: Drafting	TH	Theatre	3 in drafting designs for the	UG	LL	n
						Introduction to and practice with			Lecture/La
			Theatre			the basic color theories,			b
			Graphics II:			materials, and techniques used			Combinatio
Fall 2007	TH225	225	Color	TH	Theatre	3 in designing for the theatre.	UG	LL	n
						Introduction to and practice with			Lecture/La
			TI 0			the basic tools, materials, and			b
F-II 2007	T1100/	227	Th Graph II:	T 11	TI: 4	techniques of scale model			Combinatio
Fall 2007	TH226	226	Model Making	TH	Theatre	3 building for the theatre.	UG	LL	n
						Mechanics of stage lighting including behavior of light,			
						lighting instruments, and control			
						systems. Includes study of the			
			Stage Lighting			functions and duties of the stage			
Fall 2007	TH227	227	Technology	TH	Theatre	3 lighting technician.	UG	LE	Lecture
						In-depth study of scenery			
						technology and its techniques.			
						Involves the study of standard			
						scenery construction,			
						metalworking, and the			
						application and details of stage			
			Scenery			rigging and its equipment. For			
Fall 2007	TH228	228	Technology	TH	Theatre	3 B.F.A. technology majors only.	UG	LE	Lecture

						Introduction to basic techniques			
						of dyeing and modifying fabric.			Lecture/La
						Includes aging and distressing of			b
			Fabric Dyeing			costumes.			Combinatio
Fall 2007	TH229	229	and Mod	TH	Theatre	3	UG	LL	n
						Introduction to beginning			
			Intro to			movement techniques for			
Fall 2007	TH238	238	Movement A	TH	Theatre	2 performers.	UG	ST	Studio
						Introduction to beginning			
			Intro to			movement techniques for			
Fall 2007	TH239	239	Movement B	TH	Theatre	2 performers.	UG	ST	Studio
						Study of physical alignment,			
						improvisation, warm-up			
						methods, and exploration of			
						movement dynamics as they			
						relate to acting. Basic tumbling			Lecture/La
						and pantomime techniques are			b
			Movement for			introduced. For sophomore			Combinatio
Fall 2007	TH240	240	the Actor I	TH	Theatre	2 acting and acting-musical theatre	UG	LL	n
						Study of physical alignment,			
						improvisation, warm-up			
						methods, and exploration of			
						movement dynamics as they			
						relate to acting. Basic tumbling			Lecture/La
						and pantomime techniques are			b
			Movement for			introduced. For sophomore			Combinatio
Fall 2007	TH241	241	the Actor I	TH	Theatre	2 acting and acting-musical theatre	UG	LL	n
						Study of physical alignment,			
						improvisation, warm-up			
						methods, and exploration of			
						movement dynamics as they			
						relate to acting. Basic tumbling			Lecture/La
						and pantomime techniques are			b
			Movement for			introduced. For sophomore			Combinatio
Fall 2007	TH242	242	the Actor I	TH	Theatre	2 acting and acting-musical theatre	UG	LL	n

						Second year of acting			Lecture/La
						emphasizes character study.			b
						Emphasis on audition at the end			Combinatio
Fall 2007	TH244	244	Acting II	TH	Theatre	3 of spring quarter.	UG	LL	n
						Second year of acting			Lecture/La
						emphasizes character study.			b
						Emphasis on audition at the end			Combinatio
Fall 2007	TH245	245	Acting II	TH	Theatre	3 of spring quarter.	UG	LL	n
						Second year of acting			Lecture/La
						emphasizes character study.			b
						Emphasis on audition at the end			Combinatio
Fall 2007	TH246	246	Acting II	TH	Theatre	3 of spring quarter.	UG	LL	n
						This course offers students a			
						variety of analytical methods for			
						exploring a range of theatrical			
						texts. Primary focus is on			
						thematic, structural and formal			
Fall 2007	TH250	250	Script Analysis	TH	Theatre	4 aspects of analysis.	UG	LE	Lecture
			Writing in TH						
Fall 2007	TH250W	250W	250	TH	Theatre	0	UG	LB	Lab
						Speech training focusing on			
						expansion and strengthening of			
						the actor's voice. Emphasis on			Lecture/La
						clear articulation and proper			b
			Theatre			enunciation of the phonemes of			Combinatio
Fall 2007	TH254	254	Speech I	TH	Theatre	2 American standard English.	UG	LL	n
						Speech training focusing on			
						expansion and strengthening of			
						the actor's voice. Emphasis on			Lecture/La
						clear articulation and proper			b
			Theatre			enunciation of the phonemes of			Combinatio
Fall 2007	TH255	255	Speech I	TH	Theatre	2 American standard English.	UG	LL	n
						Speech training focusing on			
						expansion and strengthening of			
						the actor's voice. Emphasis on			Lecture/La
						clear articulation and proper			b
			Theatre			enunciation of the phonemes of			Combinatio
Fall 2007	TH256	256	Speech I	TH	Theatre	2 American standard English.	UG	LL	n

			Singing- Musical				Private singing lessons for			Lecture/Re citation Combinatio
Fall 2007	TH257	257	Theatre	TH	Theatre	2	musical theatre acting majors.	UG	LR	n
Fall 2007	TH258	258	Singing- Musical Theatre	ТН	Theatre	2	Private singing lessons for musical theatre acting majors.	UG	LR	Lecture/Re citation Combinatio n
Fall 2007	TH259	259	Singing- Musical Theatre	ТН	Theatre	2	Private singing lessons for musical theatre acting majors.	UG	LR	Lecture/Re citation Combinatio n
			Intro to Theatrical				Exploration of the collaborative process between director and designers, which results in a specific visual approach to a production. Emphasis on designer progression from script analysis and research to			
Fall 2007	TH301	301	Desgn Sound Design	TH	Theatre	3	realization of the design. Advanced sound design. Topics include digital audio workstation and reinforcement techniques and technologies. Class work will rely on production and studio work and exploration of advances in the technology and	UG	LE	Lecture
Fall 2007	TH302	302	II	TH	Theatre	3	art of sound design.	UG	ST	Studio
			Dramatic				(Also listed as ENG 304.) Theory and practice of techniques of dramatic writing emphasizing			Lecture/La b Combinatio
Fall 2007	TH304	304	Writing	TH	Theatre	4	writing of original plays.	UG	LL	n
Fall 2007	TH310	310	Theatre Arts Manag Prac	TH	Theatre	1	Participation in university theatre arts management activities. Specific assignments determined at initial meeting.	UG	LB	Lab

						Analysis and practice in reading			Lecture/Re citation
			Oral Reading			from plays and dramatic poetry;			Combinatio
Fall 2007	TH311	311	of Drama	TH	Theatre	3 reader's theatre; performance.	UG	LR	n
						For acting majors only. All			
						students must have auditioned			Lecture/Re
			Charles of Care Harr			for and received departmental			citation
Fall 2007	TUDAE	215	Singing for the		Thootro	approval before registering for	LIC	l D	Combinatio
Fall 2007	TH315	315	Actor III	TH	Theatre	1 this class. For acting majors only. All	UG	LR	n
						students must have auditioned			Lecture/Re
						for and received departmental			citation
			Singing for the			approval before registering for			Combinatio
Fall 2007	TH316	316	Actor III	TH	Theatre	1 this class.	UG	LR	n
1 411 2007	111310	310	Actor III		meatre	For acting majors only. All	00	LIX	
						students must have auditioned			Lecture/Re
						for and received departmental			citation
			Singing for the			approval before registering for			Combinatio
Fall 2007	TH317	317	Actor III	TH	Theatre	1 this class.	UG	LR	n
						Continuation of Stage Lighting I.			
						Further exploration of lighting			
						technology and design aesthetics			
						for more complex productions			
						such as multi-set shows,			
						musicals, and dance. Use of			
			Stage Lighting			computer programs for planning			
Fall 2007	TH319	319	II	TH	Theatre	3 and communicating design ideas.	UG	ST	Studio
						Practical study in technical			
						execution. Emphasis on daily			
						operation of theatre production			
						facilities and shops. Participation			
						in all major department			
- u 000-	T11000	000	Applied			productions required. For B.F.A.		. 5	
Fall 2007	TH320	320	Theatre Tech I	ΙH	Theatre	4 design/technology majors only.	UG	LB	Lab

							Introduction to the materials and			
							techniques used in traditional			
							scenic painting, from basic skills			
							(including graining, spattering,			Lecture/La
							wet-blending) to the			b
			Scene Painting				manipulation of light, shadow,			Combinatio
Fall 2007	TH321	321	I	TH	Theatre	3	and texture to create three-	UG	LL	n
							Further development of the skills			
							taught in Scene Painting I, with			
							emphasis on rendering volume,			
							light, and realistic surface			Lecture/La
							texture. Includes working			b
			Scene Painting				portraiture, foliage, and			Combinatio
Fall 2007	TH322	322	П	TH	Theatre	3	rendering of draped fabric.	UG	LL	n
							Continued work in trompe l'oeil			
							techniques, emphasizing ability			
							to reproduce accurately from			Lecture/La
							source material. Introduction to			b
			Scene Painting				the use of applied textures and			Combinatio
Fall 2007	TH323	323	Ш	TH	Theatre	3	painting translucencies.	UG	LL	n
							Study of lighting design and the			
							behavior of light as an			
							expressive medium of theatrical			Lecture/La
							design. Includes project work			b
			Lighting				with an emphasis on professional			Combinatio
Fall 2007	TH324	324	Design	TH	Theatre	3	technique.	UG	LL	n
							Study of scenic design and the			
							dynamics of stage space use.			Lecture/La
							Includes project design work			b
							with an emphasis on professional			Combinatio
Fall 2007	TH325	325	Set Design	TH	Theatre	3	technique and period design.	UG	LL	n
							Study of costume design for the			
							theatre. Includes project design			Lecture/La
							work with an emphasis on			b
			Costume				professional technique and			Combinatio
Fall 2007	TH326	326	Design	TH	Theatre	3	period design.	UG	LL	n

							Development of dominant			
							characteristics of the history of			
							architecture, furniture, and			
							ornamental design and how they			
							relate to abstract elements of			
			Decorative				taste, design, composition, and			
Fall 2007	TH328	328	Style	TH	Theatre	3	color.	UG	LE	Lecture
							Costume and fashion from			
							prehistoric to modern times.			
							Overview of the history of			
			Costume				costume and fashion and how it			
Fall 2007	TH329	329	History	TH	Theatre	3	relates to theatre.	UG	LE	Lecture
							Introduction to automated			
							lighting, with an emphasis on the			
							skills needed to operate moving			
							lights and effectively program			
							consoles. Aesthetic and practical			
							considerations regarding the use			
			Automated				of moving lights in theatrical			
Fall 2007	TH332	332	Lighting	TH	Theatre	3	productions.	UG	ST	Studio
							An introduction to the computer-			
							aided drafting programs			
							AutoCAD and VectorWorks. The			
							student's basic skills are			
							developed through several			
							projects including orthographic			
			Computer				projections, designer's			
Fall 2007	TH333	333	Graphics TH I	TH	Theatre	3	elevations, groundplans and light	UG	ST	Studio
							This course introduces the			
							costume student to advanced			
							stitching techniques necessary			
Fall 2007	TH334	334	Stitching	TH	Theatre	3	for costume construction.	UG	ST	Studio

						This course introduces the			
						student to creative, innovative,			
						and often inexpensive			
						alternatives for the creation of			
						jewelry applique,			
			Castuura			embellishments, armor, crowns,			
Fall 2007	THOSE	225	Costume Crafts	TH	Thootro	and basic millinery techniques	UG	ST	Ctudia
Fall 2007	TH335	335	Craits	IH	Theatre	3 for theatrical production.	UG	31	Studio
			Dattama			This course will cover the basic			
			Pattern			principles of pattern drafting, flat			
F-II 2007	THOO	227	Drafting &	TII	There	patterning, and draping of the	110	СТ	Churchia
Fall 2007	TH336	336	Draping	TH	Theatre	3 female bodice.	UG	ST	Studio
						Scene study class designed to			Lecture/La
			Muo Thootro			integrate acting training with			b Combinatio
F-II 2007	THOOT	227	Mus Theatre	TII	There	music and dance skills using	110		Combinatio
Fall 2007	TH337	337	Performance	TH	Theatre	3 major texts from musical	UG	LL	n Lastuna /La
						Scene study class designed to			Lecture/La
			Mus Theodos			integrate acting training with			b Camabinatia
F-II 2007	TUDDO	220	Mus Theatre	TII	There	music and dance skills using	110		Combinatio
Fall 2007	TH338	338	Performance	TH	Theatre	3 major texts from musical	UG	LL	n
						Scene study class designed to			Lecture/La
			Mus Theodos			integrate acting training with			b Complete ette
F - II 2007	TUOOO	220	Mus Theatre	T	Th	music and dance skills using			Combinatio
Fall 2007	TH339	339	Performance	TH	Theatre	3 major texts from musical	UG	LL	n
						Basic movement skills such as			
						period movement, dancing, and			
						stage combat as they relate to			
						performing; designed to give the			
						performer total perception and			
						to discover the physical and			Lecture/La
						psychological stimulus for			b
- II 000-	T110.46	0.40	Movement for		-	movement. For studio acting			Combinatio
Fall 2007	TH340	340	Actor II	TH	Theatre	2 majors only.	UG	LL	n

							Basic movement skills such as			
							period movement, dancing, and			
							stage combat as they relate to			
							performing; designed to give the			
							performer total perception and			
							to discover the physical and			Lecture/La
							psychological stimulus for			b
			Movement for				movement. For studio acting			Combinatio
Fall 2007	TH341	341	Actor II	TH	Theatre	2	majors only.	UG	LL	n
							Basic movement skills such as			
							period movement, dancing, and			
							stage combat as they relate to			
							performing; designed to give the			
							performer total perception and			
							to discover the physical and			Lecture/La
							psychological stimulus for			b
			Movement for				movement. For studio acting			Combinatio
Fall 2007	TH342	342	Actor II	TH	Theatre	2	majors only.	UG	LL	n
							First year of Professional Actor			
							Training program. Must be taken			Lecture/La
							in sequence. All students must			b
							receive a grade of "C"better to			Combinatio
Fall 2007	TH344	344	Acting III	TH	Theatre	3	continue in sequence.	UG	LL	n
							First year of Professional Actor			
							Training program. Must be taken			Lecture/La
							in sequence. All students must			b
							receive a grade of "C" better to			Combinatio
Fall 2007	TH345	345	Acting III	TH	Theatre	3	continue in sequence.	UG	LL	n
							First year of Professional Actor			
							Training program. Must be taken			Lecture/La
							in sequence. All students must			b
							receive a grade of "C" better to			Combinatio
Fall 2007	TH346	346	Acting III	TH	Theatre	3	continue in sequence.	UG	LL	n
							Provides a foundation for the			
							senior thesis project. Elements			Lecture/La
							necessary in the development of			b
			One Person				a one person show will be			Combinatio
Fall 2007	TH347	347	Show	TH	Theatre	3	taught, concluding in a solo	UG	LL	n

						Problems of script selection and interpretation, casting, rehearsing, and performance. Techniques of composition and			Lecture/La
						movement; the proscenium			Combinatio
Fall 2007	TH350	350	Directing	TH	Theatre	stage and open stage. 4 Preparation of the prompt book.	UG	LL	
Fall 2007	111330	330	Directing	III	meatre	This course develops the skills	UG	LL	n
						required of the working stage			
						manager. Through lecture,			
						discussion, and application,			
						students work problems of stage			
						management through to practical			
			Stage			solutions. Department			
Fall 2007	TH351	351	Management	TH	Theatre	3 permission required.	UG	LE	Lecture
						Presentation of a one-act play in			Lecture/La
						the studio theatre for			b
			Directing			departmental and public			Combinatio
Fall 2007	TH352	352	Laboratory	TH	Theatre	2 audiences.	UG	LL	n
						Speech for the classical stage.			
						Emphasis on unique demands of			
						communication of dramatic verse			
						text through exploration of			
						Shakespeare, Molihre, and			
						Restoration playwrights.			Lecture/La
						Particular attention given to			b
E 11 0007	T11054	05.4	Theatre		 .	diction or the art of emphasis to			Combinatio
Fall 2007	TH354	354	Speech II	TH	Theatre	2 illuminate poetic language.	UG	LL	n
						Speech for the classical stage.			
						Emphasis on unique demands of			
						communication of dramatic verse			
						text through exploration of			
						Shakespeare, Molihre, and Restoration playwrights.			Lecture/La
						Particular attention given to			b
			Theatre			diction or the art of emphasis to			Combinatio
Fall 2007	TH255	355		TH	Theatre	•	LIG	111	
Fall 2007	TH355	355	Speech II	TH	Theatre	2 illuminate poetic language.	UG	LL	n

Fall 2007	TH356	356	Theatre Speech II	TH	Theatre		Speech for the classical stage. Emphasis on unique demands of communication of dramatic verse text through exploration of Shakespeare, Molihre, and Restoration playwrights. Particular attention given to diction or the art of emphasis to illuminate poetic language.	UG	LL	Lecture/La b Combinatio n
Fall 2007	TH357	357	Singing- Musical Theatre	TH	Theatre		Private singing lessons for musical theatre acting majors.	UG	LR	Lecture/Re citation Combinatio n
Fall 2007	TH358	358	Singing- Musical Theatre	TH	Theatre		Private singing lessons for musical theatre acting majors.	UG	LR	Lecture/Re citation Combinatio n
Fall 2007	TH359	359	Singing- Musical Theatre	ТН	Theatre		Private singing lessons for musical theatre acting majors.	UG	LR	Lecture/Re citation Combinatio n
Fall 2007	TU2/0	2/0	History of the	TH	Theodra		Survey of the history and development of theatrical production from the Greeks through the renaissance and including primitive forms both ancient and contemporary. Emphasis on the history of play production rather than on	110		Lockura
Fall 2007	TH360	360	Theatre I	TH	Theatre		literature. Survey of the history and development of theatrical production from the 17th century through the present day.	UG	LE	Lecture
Fall 2007	TH361	361	History of the Theatre II	TH	Theatre	3	Emphasis on the history of play production.	UG	LE	Lecture

						An investigation of the			
						development of production			
						· · ·			
						concept in terms of visual and			
			0			intellectual style choices in			
			Style and			performance, interpretation and			
Fall 2007	TH362	362	Concept	TH	Theatre	3 design.	UG	LE	Lecture
						Changing concepts of dramatic			
						structure and criticism through			
						comparative examination of			
						works of selected playwrights			
						and critics. Chief theories of			
			Theory and			dramatic production in relation to			
Fall 2007	TH365	365	Criticism	TH	Theatre	3 aesthetic principles.	UG	LE	Lecture
						Special problems of analysis,			
						acting, and staging plays from			
						various periods of theatre history			
						are explored from a production			
			Theatre			point of view. From Aeschylus to			
Fall 2007	TH366	366	Repertoire I	TH	Theatre	Jonson.	UG	LE	Lecture
						Special problems of analysis,			
						acting, and staging plays from			
						various periods of theatre history			
						are explored from a production			
			Theatre			point of view. From Beaumont to			
Fall 2007	TH367	367	Repertoire II	TH	Theatre	3 Chekhov.	UG	LE	Lecture
			'			Special problems of analysis,			
						acting, and staging plays from			
						various periods of theatre history			
						are explored from a production			
			Theatre			point of view. From Shaw to			
Fall 2007	TH368	368	Repertoire III	TH	Theatre	3 Albee.	UG	LE	Lecture
	1					Study of the nature of creativity		_ _	20010.0
						in children and of the techniques			Lecture/La
						that develop sensitivity, bodily			b
			Creative			freedom, characterization, and			Combinatio
Fall 2007	TH370	370	Dynamics	TH	Theatre	3 impression.	UG	11	n
. dii 2007	111070	0,0	Dynamics	1 ' ' '	mound	o improssion.			• •

						Examines a variety of complete	
						texts from the musical theatre to	
			Mara The Casara			develop music and text analysis	
Fall 2007	T11271	271	Mus Th Score	TII	Thootro	skills for acting, directing, or	Lootumo
Fall 2007	TH371	371	& Lib Analys	TH	Theatre	2 choreography. UG LE	Lecture
						Survey of the history and	
						literature of the musical theatre	
						from opera and operetta through	
						contemporary broadway	
						productions. Examination of the	
						various popular influences on the	
F 11 0007	T11070	070	Mus Theatre	T 11	-	form. Includes viewing film and	
Fall 2007	TH372	372	Hst & Lit	TH	Theatre	3 videotaped productions. UG LE	Lecture
						Survey of the history and	
						literature of the musical theatre	
						from opera and operetta through	
						contemporary broadway	
						productions. Examination of the	
						various popular influences on the	
			Mus Theatre			form. Includes viewing film and	
Fall 2007	TH373	373	Hst & Lit II	TH	Theatre	3 videotaped productions. UG LE	Lecture
						Operational procedures for	
						school, community, and	
						professional theatre. Includes	
						problems of organization,	
						personnel, budgeting,	
						purchasing, accounting, ticket	
			Theatre			sales, publicity, promotion, and	
Fall 2007	TH375	375	Management	TH	Theatre	3 house management. UG LE	Lecture
						Study of theatrical costume,	
						scenery, lighting and sound	
						design. Includes theoretical	Lecture/La
						design work, and practical design	b
						work with an emphasis in the	Combinatio
Fall 2007	TH376	376	Design Studio	TH	Theatre	2 area of interest. UG LL	n

							This course offers students a			
							variety of analytical methods for			
							exploring a range of theatrical			
							texts. Primary focus is on			
			Theatre				thematic, structural and formal			
Fall 2007	TH380	380	History/Lit. I	TH	Theatre	3	aspects of analysis.	UG	LE	Lecture
1 411 2007	111000		Thotory Litt		modific		This course offers students a			200141.0
							variety of analytical methods for			
							exploring a range of theatrical			
							texts. Primary focus is on			
			Theatre				thematic, structural and formal			
Fall 2007	TH381	381	History/Lit. II	TH	Theatre	3	aspects of analysis.	UG	LE	Lecture
1 all 2007	111301	301	Writing in TH	111	THEatre	<u> </u>	aspects of allalysis.	UG	LL	Lecture
Fall 2007	TH381W	381W	381	TH	Theatre	0		UG	LB	Lab
1 all 2007	1113017	30177	301	111	THEatre	0	Exploration of theatre from post-	UG	LD	Lab
							WWII to the present, within			
							social and historical contexts.			
			Theatre				Emphasis on production practice			
Fall 2007	TH382	382	History/Lit.III	TH	Theatre	2	and its effect on subsequent	UG	LE	Lecture
Fall 2007	111302	302	Writing in TH	ПП	THEATTE	<u>ა</u>	and its effect off subsequent	UG	LE	Lecture
Fall 2007	TH382W	382W	382	TH	Theatre	0		UG	LB	Lab
raii 2007	11130211	30200	Projects in	ΙП	THEATTE	U		UG	LD	Lau
Fall 2007	TH390	390	Theatre	TH	Thoatro	2	Advanced individual work.	UG	LE	Locturo
Fall 2007	111390	390	meatre	ΙП	Theatre		Course of variable content	UG	LE	Lecture
			Churchina in							lus al a us a us al a
F-II 2007	TUOO	200	Studies in	TII	Theretoe	1	dealing with problems,	110	10	Independe
Fall 2007	TH399	399	Selected Subj	TH	Theatre	<u> </u>	approaches, and topics in the	UG	IS	nt Study
F - II 0007	T11200\4/	20014/	Writing in TH	T	Th	0			l D	1 -1-
Fall 2007	TH399W	399W	399	TH	Theatre	0		UG	LB	Lab
			Charac				Participation in university theatre			
			Stage				stage management activities.			
- II 0007	T11440		Management			4	Specific assignments determined			
Fall 2007	TH410	410	Practicum	TH	Theatre	1	at initial meeting.	UG	LB	Lab
							Design and application of the			Lecture/La
							advanced makeup techniques of			b
			Advanced				prothestics, hair ventilation and			Combinatio
Fall 2007	TH412	412	Stage Makeup	ľΉ	Theatre	3	wig making.	UG	LL	n

						Provides intensive study and			
						practical projects to prepare for			
						a professional acting career.			
						Agents, unions, auditions,			
						markets (NYC, L.A., Chicago,			Lecture/La
						etc.), and marketing tools			b
			The Acting			(headshots, resumes, etc.) will			Combinatio
Fall 2007	TH413	413	•	TH	Theatre	3 be covered.	UG	LL	n
						For acting majors only. All			
						students must have auditioned			Lecture/Re
						for and received departmental			citation
			Singing for the			approval before registering for			Combinatio
Fall 2007	TH415	415	Actor IV	TH	Theatre	1 this class.	UG	LR	n
						For acting majors only. All			
						students must have auditioned			Lecture/Re
						for and received departmental			citation
			Singing for the			approval before registering for			Combinatio
Fall 2007	TH416	416	Actor IV	TH	Theatre	1 this class.	UG	LR	n
						For acting majors only. All			
						students must have auditioned			Lecture/Re
						for and received departmental			citation
			Singing for the			approval before registering for			Combinatio
Fall 2007	TH417	417	Actor IV	TH	Theatre	1 this class.	UG	LR	n
						Advanced study of lighting			
						design for theatre, opera, dance			
						and other theatrical genres.			
						Emphasis on discussion and			
						critique of actualized			
						productions. Students complete			
						design projects that improve			
			Stage Lighting			upon script analysis, research,			
Fall 2007	TH419	419		TH	Theatre	3 and presentation skills.	UG	ST	Studio
			Applied			Intensive study of selected			
			Theatre Tech			aspects of technical theatre.			
Fall 2007	TH420	420	H	TH	Theatre	2 Titles vary.	UG	LB	Lab

						Advanced study of costume	
						design. Students will complete	
						projects that illustrate	
						inspiration, illustration, planning,	
						designing and presentation.	
			Costume			There will be group discussion	
Fall 2007	TH423	423	Design II	TH	Theatre	3 and critique of individual UG ST	Studio
						Intensive study of theatrical	
						costumes, scenery, and lighting	
						with a focus on script	
						interpretation. Includes practical	
						design work with an emphasis on	Lecture/La
			Advanced			produced designs, professional	b
			Design Studio			development, and specialization	Combinatio
Fall 2007	TH424	424	I	TH	Theatre	4 in the students' area of design. UG LL	n
						Intensive study of theatrical	
						costumes, scenery, and lighting	
						with a focus on script	
						interpretation. Includes practical	
						design work with an emphasis on	Lecture/La
			Advanced			produced designs, professional	b
			Design Studio			development, and specialization	Combinatio
Fall 2007	TH425	425	П	TH	Theatre	4 in the students' area of design. UG LL	n
						Intensive study of theatrical	
						costumes, scenery, and lighting	
						with a focus on script	
						interpretation. Includes practical	
						design work with an emphasis on	Lecture/La
			Advanced			produced designs, professional	b
			Design Studio			development, and specialization	Combinatio
Fall 2007	TH426	426	III	TH	Theatre	4 in the students' area of design. UG LL	n
						Advanced study of stagecraft	
						practices including complex	
						scenery layout, rigging, power	
						drive systems, and materials. For	
			Advanced			B.F.A. design/technology majors	
Fall 2007	TH427	427	Stagecraft	TH	Theatre	3 only. UG LE	Lecture

						Advanced techniques of costume			
			Advanced			technology with emphasis on			
			Costume			developing patterns, cutting and			
Fall 2007	TH428	428	Technology	TH	Theatre	3 draping and drafting.	UG	LE	Lecture
İ						Lecture/workshop class with			
1						variable topics including property			
						and furniture building, scenic			
			Advanced			painting, welding, draping, etc.			
Fall 2007	TH429	429	Theatre Crafts	TH	Theatre	3 Topics vary.	UG	LE	Lecture
i						An introduction to the photo			
İ						manipulation program			
						PhotoShop. Through the use of			
						existing images and original			
						designed, the student will			
						explore the various techniques			
			Computer			available to produce paint			
Fall 2007	TH433	433	Graphics TH II	TH	Theatre	3 elevations, projections, and	UG	ST	Studio
						The student will learn how to			
						design and use rigging systems			
						in theatrical settings. Emphasis			
						will be placed on proper			
						selection and use of rigging			
Fall 2007	TH434	434	Rigging	TH	Theatre	3 hardware and equipment, and	UG	ST	Studio
						Designed to prepare upper-			
						division students for the			
						transition into the professional			
						world. Portofolio formats, both			
						traditional and digital, will be			
						investigated. Effective			
						techniques for the presentation			
			Portofolio Prep			of portfolios and employment			
Fall 2007	TH435	435	& Pres	TH	Theatre	3 strategies will be stressed.	UG	ST	Studio

			Graphics III			Further development of skills used in creating theatrical renderings, costume plates, and lighting sketches. Emphasis on figure drawing, depicting light and shadow, and exploration of traditional and non-traditional media and techniques.			
Fall 2007	TH436	436	Rendering	TH	Theatre	Shark of the market and a	UG	ST	Studio
5 II 0007		407	Musical Theatre			Study of the performance problems associated with a selected composer or genre.			Lecture/La b Combinatio
Fall 2007	TH437	437	Studies	TH	Theatre	3 Topics vary.	UG	LL	n
			Mus Thr Thesis			Preparation of the musical theatre thesis including the technical and production needs			
Fall 2007	TH438	438	Rehearsal	TH	Theatre	3 for the special thesis production.	UG	RE	Recitation
			Musical			Performance(s) of specially created theatre piece utilizing all musical theatre emphasis majors. This performance may serve as a showcase for theatrical agents and			
Fall 2007	TH439	439	Theatre Thesis	TH	Theatre	3 professional casting personnel.	UG	RE	Recitation
			Movement for			Visualizing techniques along with specific analysis of the ideas of LeCoq, Marceau, Alexander, Davis, and others. For B.F.A.			Lecture/La b Combinatio
Fall 2007	TH440	440	Actor III	TH	Theatre	2 studio acting majors only.	UG	LL	n
			Movement for			Visualizing techniques along with specific analysis of the ideas of LeCoq, Marceau, Alexander,			Lecture/La
Fall 2007	TH441	441	Movement for Actor III	TH	Theatre	Davis, and others. For B.F.A. 2 studio acting majors only.	UG	LL	Combinatio n
1 all 2007	111441	771	ACIOI III	111	meane	Z studio acting majors only.	00	LL	11

							Visualizing techniques along with			
							specific analysis of the ideas of			Lecture/La
							LeCoq, Marceau, Alexander,			b
			Movement for				Davis, and others. For B.F.A.			Combinatio
Fall 2007	TH442	442	Actor III	TH	Theatre	2	studio acting majors only.	UG	LL	n
										Lecture/La
										b
						_	Second year of Professional			Combinatio
Fall 2007	TH444	444	Acting IV	TH	Theatre	3	Actor Training program.	UG	LL	n
										Lecture/La
							0 1 50 6 1 1			b
- u 0007	T1144E				- ·		Second year of Professional			Combinatio
Fall 2007	TH445	445	Acting IV	TH	Theatre	3	Actor Training program.	UG	LL	n
										Lecture/La
							Cooped waar of Drofossianal			b Combinatio
Fall 2007	TH446	446	Acting IV	TH	Theatre		Second year of Professional	UG		
Fall 2007	1 П440	440	Acting IV	ІП	meatre	3	Actor Training program. Intensive work on a final creative		LL	n
							performance project. For senior			
			Acting Thesis				acting studio majors only.			
Fall 2007	TH447	447	Project	TH	Theatre		Graded pass/unsatisfactory.	UG	RE	Recitation
1 411 2007	111777	777	rioject	111	THEATTE		Intensive work on a final creative		IXL	Recitation
			Acting Thesis				performance project. Open only			
Fall 2007	TH448	448	Project	TH	Theatre	3	to acting studio seniors.	UG	RE	Recitation
					71100000		in the same of the			Lecture/La
							Provides intensive study of			b
			Studies in				selected aspects of directing for			Combinatio
Fall 2007	TH450	450	Directing	TH	Theatre	3	the theatre. Titles vary.	UG	LL	n
							Original directed research			
							culminating in a creative			
			Directing				performance project. For B.F.A.			
Fall 2007	TH451	451	Thesis Project	TH	Theatre	3	directing majors only.	UG	LB	Lab
							Original directed research			
							culminating in a creative			
			Directing				performance project. For B.F.A.			
Fall 2007	TH452	452	Thesis Project	TH	Theatre	3	directing majors only.	UG	LB	Lab

							Thorough analysis and study of			
							sounds of foreign dialects and			
							regional accents. Students			
							explore transformation of their			Lecture/La
							own voices. Students also learn			h
			Theatre				to vary their stage voices for age			Combinatio
Fall 2007	TH454	454	Speech III	TH	Theatre	2	and character roles.	UG	LL	n
Fall 2007	1 П434	434	Speech III	ΙП	THEATTE		Thorough analysis and study of	UG	LL	i i
							sounds of foreign dialects and			
							S .			
							regional accents. Students			1 t /1 -
							explore transformation of their			Lecture/La
			Th				own voices. Students also learn			b Garantila atta
F 11 0007	T11455	455	Theatre	T. .			to vary their stage voices for age			Combinatio
Fall 2007	TH455	455	Speech III	TH	Theatre		and character roles.	UG	LL	n
							Thorough analysis and study of			
							sounds of foreign dialects and			
							regional accents. Students			
							explore transformation of their			Lecture/La
							own voices. Students also learn			b
			Theatre				to vary their stage voices for age			Combinatio
Fall 2007	TH456	456	Speech III	TH	Theatre	2	and character roles.	UG	LL	n
										Lecture/Re
			Singing-							citation
			Musical				Private singing lessons for			Combinatio
Fall 2007	TH457	457	Theatre	TH	Theatre	2	musical theatre acting majors.	UG	LR	n
										Lecture/Re
			Singing-							citation
			Musical				Private singing lessons for			Combinatio
Fall 2007	TH458	458	Theatre	TH	Theatre	2	musical theatre acting majors.	UG	LR	n
										Lecture/Re
			Singing-							citation
			Musical				Private singing lessons for			Combinatio
Fall 2007	TH459	459	Theatre	TH	Theatre	2	musical theatre acting majors.	UG	LR	n
							Courses offered under this title			
							provide an intensive study of a			
			Studies in				selected aspect of theatre			
			Theatre				history. Exact title announced			
Fall 2007	TH460	460	History	TH	Theatre	3	each time the course is offered.	UG	LE	Lecture

						Couses offered under this provide an intensive study selected aspect of child dr	of a ama.		Lecture/La
F-II 0007	T11470	470	Studies in	T	Th	Exact title announced each			Combinatio
Fall 2007	TH470	470	Child Drama	TH	Theatre	3 the course is offered.	UG	LL	n
Fall 2007	TH491	491	Seminar in Theatre	TH	Theatre	3	UG	SE	Seminar
Tall 2007	111471	471	Workshop in		Triedite	Intensive study of special or problems, or intensive experience in theatrical presentation according to particular needs of participals.	topics	JL .	Serima
Fall 2007	TH495	495	Theatre	TH	Theatre	3 Titles vary.	UG	LE	Lecture
			Prof Theatre			Placement of superior upp division B.F.A. theatre may various professional theatr management or productio interns. For B.F.A. theatre	ors in es as		
Fall 2007	TH498	498	Internship	TH	Theatre	2 majors only.	UG	IN	Internship
			Workshop in			Intensive study of selected special topics or problems intensive experience in the presentations designed to the particular needs of participating students. Sp titles to be announced for workshop. May be repeat credit subject to department.	eatrical meet ecific each ed for ental,		
Fall 2007	TH695	695	Theatre	TH	Theatre	3 divisional, and university li Consideration of the pract principles and organization collective bargaining. Stu- the techniques of mediation	icies, n of dy ot	LE	Lecture
					Technical	the agencies involved in	_		
F-II 0007	TMCCCC	200	Labor	T. 40	Managem	mediation. Causes and cu		. =	1 1
Fall 2007	TMG202	202	Relations	TMG	ent	3 labor disputes.	UG	LE	Lecture

							Basic fundamentals of the			
							process of management applied			
							to business organizations.			
							Emphasis on the practical			
					Technical		applications of techniques			
			Fundamentals		Managem		employed by managers at lower			
Fall 2007	TMG204	204	Management	TMG	ent	4	and middle organizational levels.	UG	LE	Lecture
							Study of the characteristics,			
							purposes, objectives, and			
							techniques of supervision and			
							coordination of the work of			
							others. Discussions include			
					Technical		employment interviewing,			
			Personnel		Managem		training procedures, supervision,			
Fall 2007	TMG210	210	Management	TMG	ent	3	and improvement of huma	UG	LE	Lecture
										Lecture/La
					Technical					b
			Office		Managem					Combinatio
Fall 2007	TMG225	225	Procedures II	TMG	ent	3		UG	LL	n
							An analysis of job evaluation for			
							salary and hourly positions, job			
			Wage and		Technical		designs, compensation			
			Salary		Managem	_	structures, and fringe benefit			
Fall 2007	TMG240	240	Administration	TMG	ent	3	and retirement fund	UG	LE	Lecture
							Composition of a buy office,			
							buying the right quality from the			
					Tablestad		right vendor, buying to support			
					Technical		inventory control, make versus			
Fall 2007	TMCOFO	250	Durahaaina	TMC	Managem	2	buy philosophy, and some legal	шс	LE	Looturo
Fall 2007	TMG250	250	Purchasing	TMG	ent	3	aspects of buying.	UG	LE	Lecture
							Introduction to the functions			
							making up the production system, includiong product parts			
							manufacture, process routing,			
					Technical		quality standards, work			
			Production				measurement, work methods,			
Fall 2007	TMG270	270		TMG	Managem ent	າ	scheduling, and inventory	UG	LE	Lecture
1 all 2007	TIVIG2/U	210	Management	i IVIG	ent	ა	scrieduling, and inventory	UG	LĽ	Lecture

							Stresses business management			
							functions important to small			
							businesses, including single			
							ownership, partnership,			
							incorporation, capitalization and			
					Technical		financing requirements, legal			
			Small Business		Managem		requirements, production, and			
Fall 2007	TMG280	280	Management	TMG	ent	3	marketing arrangements.	UG	LE	Lecture
Tun 2007	TWOZOC	200	Mariagornoria	Tivic	OTTE		A capstone course designed to			Ecota. c
							intergrate the student's two-year			
							program into a cohesive			
					Technical		management program and to			
			Comprehensiv		Managem		promote management problem			
Fall 2007	TMG290	290	e Management	TMG	ent	4	solving capabilities.	UG	LE	Lecture
				1	Technical	-	oorung capasimiss			20012
			Independent		Managem		Directed Study on selected			Independe
Fall 2007	TMG295	295	Study	TMG	ent	1	topics.	UG	IS	nt Study
							Course of variable content			
							dealing with problems,			
			Studies in		Technical		approaches, and topics in the			
			Selected		Managem		field management. May be			
Fall 2007	TMG297	297	Subjects	TMG	ent	1	taken as often as topics vary.	UG	LE	Lecture
							Practical business experience in			
							management for qualified			
							students under the joint planning			
							and coordination of faculty,			
					Technical		student, and business			
					Managem		representatives. Completion of			
Fall 2007	TMG299	299	Internship	TMG	ent	4	60 hours of course work	UG	IN	Internship
							Study of the functions of			
							marketing in the American			
							business system with emphasis			
			Basic		Technical		on economic and social			
Fall 2007	TMK200	200	Marketing	TMK	Marketing	4	determinants.	UG	LE	Lecture

						Practical evaluation of marketing			
						functions relative to the product			
						development promotion, pricing,			
			Basic		Technical	distribution, and establishing			
Fall 2007	TMK202	202	Marketing II	TMK	Marketing	3 marketing objectives.	UG	LE	Lecture
						Use of personal selling, sales			
					Technical	promotion and advertising			
Fall 2007	TMK210	210	Promotion	TMK	Marketing	3 techniques.	UG	LE	Lecture
						Study of the marketing functions			
						at the retail level. Emphasis on			
					Technical	institutional practices at various			
Fall 2007	TMK220	220	Retailing	TMK	Marketing	3 types of retail establishments.	UG	LE	Lecture
						Concentrates on merchandise			
						management and retail control.			
						Includes application of buying			
			Retail		Technical	procedures and analysis of			
Fall 2007	TMK228	228	Management	TMK	Marketing	3 current merchandising policies.	UG	LE	Lecture
						An analysis of personal skills			
						essential to successful selling.			
						An understanding of the personal			
						characteristics and			
						merchandising knowledge			
						necessary for customer			
			Salesmnshp &			development are discussed.			
			Sales		Technical	Mass and personalized methods			
Fall 2007	TMK240	240	Supervision	TMK	Marketing	3 of sales supervision are	UG	LE	Lecture
						A capstone course designed to			
						integrate the student's two-year			
						program into a cohesive			
						marketing program and to			
			Comprehensiv		Technical	promote marketing problem			
Fall 2007	TMK290	290	e Marketing	TMK	Marketing	4 solving capabilities.	UG	LE	Lecture
			Independent		Technical	Directed study on selected			Independe
Fall 2007	TMK295	295	Study	TMK	Marketing	1 topics.	UG	IS	nt Study

Fall 2007	TMK297	297	Studies in Selected Subjects	TMK	Technical Marketing	1	Course of variable content dealing with problems, approaches, and topics in the field marketing. May be taken as	UG	LE	Lecture
Fall 2007	TMK299	299	Internship	TMK	Technical Marketing	4	Practical business in retail marketing for qualified students under the joint planning and coordination of faculty, students, and business representatives. Completion of 60 hours course work required.	UG	IN	Internship
Fall 2007	TMT113	113	Technical Mathematics I	TMT	Technical Mathemat		Course includes an introduction to the real number system, operations with signed numbers, solving first degree equations, products and factoring of monomials and polynomials, working with solving equations, radicals, and an introduction to right triangular trigonometry. Prerequisiste: Sufficient score on the math placement test.	UG	LE	Lecture
Fall 2007	TMT114	114	Technical Mathematics	TMT	Technical Mathemat ics		Course includes work with vectors; j operator logarithmic functions, solving equations, inequalities, properties of the trigonometric functions, and variations. Prerequisite: TMT 113.	UG	LE	Lecture
Fall 2007	TMT115	115	Technical Math III	TMT	Technical Mathemat ics	Л		UG	LE	Lecture

						Introduces topics of calculus
						such as limits, derivative and
						applications, integration and
						applications, differentiation of
					Technical	transcendental functions, and
			Technical		Mathemat	methods of integration.
Fall 2007	TMT116	116	Calculus	TMT	ics	4 Prerequisite: TMT 115. UG LE Lecture
1 411 2007	11011110	1.0	Galouius		100	Emphasizes professional
						development in office
					Technical	procedures, dress, personality,
			Professional		Office	leadership, and other aspects of
Fall 2007	TOA101	101	Devel I	TOA	Admin	1 business etiquette. UG LE Lecture
						Emphasizes professional
						development in office
					Technical	procedures, dress, personality,
			Professional		Office	leadership, and other aspects of
Fall 2007	TOA102	102	Devel II	TOA	Admin	1 business etiquette. UG LE Lecture
						Emphasizes professional
						development in office
					Technical	procedures, dress, personality,
			Professional		Office	leadership, and other aspects of
Fall 2007	TOA103	103	Devel III	TOA	Admin	1 business etiquette. UG LE Lecture
						Emphasizes professional
						development in office
					Technical	procedures, dress, personality,
			Professional		Office	leadership, and other aspects of
Fall 2007	TOA104	104	Devel IV	TOA	Admin	1 business etiquette. UG LE Lecture
						Emphasizes professional
						development in office
					Technical	procedures, dress, personality,
			Professional		Office	leadership, and other aspects of
Fall 2007	TOA105	105	Devel V	TOA	Admin	1 business etiquette. UG LE Lecture
						Emphasizes professional
						development in office
					Technical	procedures, dress, personality,
			Professional		Office	leadership, and other aspects of
Fall 2007	TOA106	106	Devel VI	TOA	Admin	1 business etiquette. UG LE Lecture

					Technical		Basic keyboarding instruction in			
					Office		touch typewriting on an			
Fall 2007	TOA110	110	Keyboarding	TOA	Admin	1	alphanumeric key board.	UG	LE	Lecture
							Covers skills in writing and			
					Technical		reading alphabetic shorthand			
					Office		with emphasis on diction and			
Fall 2007	TOA111	111	Speedwriting I	TOA	Admin		transcription.	UG	LE	Lecture
							Continuation of TOA 111 and			
					Technical		Speedwriting I, with emphasis on			
			Speedwriting		Office		speed and production of			
Fall 2007	TOA112	112	П	TOA	Admin	3	documents.	UG	LE	Lecture
							Study of terminology and			
							formats used in business			
							communication: letters, reports,			
					Technical		memos, diction, grammar			
			Business/Offic		Office		fundamentals, sentence			
Fall 2007	TOA115	115	e Correspon	TOA	Admin	3	construction, punctuation rules,	UG	LE	Lecture
							Study of computer skills by			
							utilizing various software			Lecture/La
					Technical		packages for legal, medical, and			b
			Software		Office		administrative office applications.			Combinatio
Fall 2007	TOA200	200	Applications	TOA	Admin		Two hours lecture, 2 hours lab.	UG	LL	n
							Professional speaking and			
							electronic presentation skills will			
							be developed using various			
							software packages. Students will			
							understand how to choose and			
					Technical		create the most appropriate			
			Presentation		Office		multimedia method for delivery			
Fall 2007	TOA205	205	Skills	TOA	Admin		of the message.	UG	LE	Lecture
							An exploration of job hunting			
							skills, resume writing,			
			Job		Technical		interviewing techniques, and			
			Search/Portfoli		Office		proper employment seeking			
Fall 2007	TOA210	210	o Dev	TOA	Admin	4	skills. Sophomore standing	UG	LE	Lecture

							Simulations in work processing			
							functions using merge, list			
							processing, math and sort.			
					Technical		Covers medical, legal, and			
			Word Process		Office		executive situations. Six hours			
Fall 2007	TOA223	223	Simulations	TOA	Admin		lab.	UG	LB	Lab
							Integrates the development of			
							operational functions and			
							decision-making competencies.			
							Simulations in executive,			
							medical, and legal procedures			
							including experiences in			
					Technical		telephone and communication			
			Office		Office		techniques, word processing,			
Fall 2007	TOA224	224	Procedures I	TOA	Admin		and administrative services.	UG	LE	Lecture
					Technical					
			Office		Office					
Fall 2007	TOA225	225	Procedures II	TOA	Admin	3	Continuation of TOA 204.	UG	LE	Lecture
					Technical					
			Office		Office					
Fall 2007	TOA226	226	Procedures III	TOA	Admin	3	Continuation of TOA 225.	UG	LE	Lecture
							Filing systems and procedures.			
					Technical		Combines technical aspects of			
			Records		Office		records technique with sound			
Fall 2007	TOA230	230	Management	TOA	Admin		principles of management.	UG	LE	Lecture
							Office organization; emphasis on			
							work flow, proper equipment,			
					Technical		problems in supervision, human			
			Office		Office		relations, and management			
Fall 2007	TOA231	231	Management	TOA	Admin		techniques.	UG	LE	Lecture
							Executive, medical, and legal			
							transcription from cassettes,			
							emphasizing skills needed in			Lecture/La
					Technical		today's work processing			b
			Machine		Office		environment. Two hours lecture,			Combinatio
Fall 2007	TOA233	233	Transcription I	TOA	Admin	3	two hours lab.	UG	LL	n

							Continuation of TOA 233			Lecture/La
			Machine		Technical		including executive, medical, and			b
			Transcription		Office		legal projects. Two hours			Combinatio
Fall 2007	TOA234	234	П	TOA	Admin	3	lecture, two hours lab.	UG	LL	n
					Technical		Operation of electronic display and printing calculators with business math and office			Lecture/La
			Calculator		Office		applications. Two hours lecture,			Combinatio
Fall 2007	TOA235	235	Applications	TOA	Admin	3	two hours lab.	UG	LL	n
			Desktop		Technical Office		Business course using a computer graphic design system to produces typeset-quality text and graphics such as newsletters, letterheads, brochures, and manuals. Two			Lecture/La b Combinatio
Fall 2007	TOA241	241	Publishing I	TOA	Admin	3	•	UG	LL	n
			Desktop		Technical Office		Continuation of TOA 241 using more advanced features and applications of graphics and software programs. Two hours			Lecture/La b Combinatio
Fall 2007	TOA242	242	Publishing II	TOA	Admin	3	lecture, two hour lab.	UG	LL	n
Fall 2007	TOA243	243	Desktop Publishing III	TOA	Technical Office Admin		An overview of desktop publishing systems using advanced concepts and terminology. Study of the principles of design and the publishing cycle. One hour	UG	LL	Lecture/La b Combinatio n
F-II 2007	T04044	244	Advanced Desktop	TO 4	Technical Office		Continuation of TOA 243 covering basic news story and news writing format. The student will design and publish a newspaper using desktop publishing software and	110		
Fall 2007	TOA244	244	Publishing	TOA	Admin	3	appropriate news writing	UG	LE	Lecture
F 11 6	TO 1.5-5	056	Executive	TO 4	Technical Office		Study of executive terminology and other basic aspects of the			
Fall 2007	TOA250	250	Terminology	TOA	Admin	3	executive assistant profession.	UG	LE	Lecture

					Tooknigal	Ctudy of local torminals ay and			
					Technical	Study of legal terminology and			
			Legal		Office	other basic aspects of the legal			
Fall 2007	TOA251	251	Terminology	TOA	Admin	3 assistant profession.	UG	LE	Lecture
					Technical	Study of medical terminology			
			Medical		Office	and other basic aspects ot the			
Fall 2007	TOA252	252	Terminology	TOA	Admin	3 medical assistant profession.	UG	LE	Lecture
					Technical	Continuation of TOA 252.			
			Medical		Office	Covers basic vocabulary utilized			
Fall 2007	TOA253	253	Terminology II	TOA	Admin	3 in medical office.	UG	LE	Lecture
						Study of medical skills in CPT			
					Technical	coding for insurance and medical			
			Medical		Office	documents using referance			
Fall 2007	TOA255	255	Coding	TOA	Admin	3 manuals and computer software.	UG	LE	Lecture
					Technical				
			Medical		Office				
Fall 2007	TOA256	256	Coding II	TOA	Admin	3	UG	LE	Lecture
					Technical				
			Independent		Office	Directed study on selected			Independe
Fall 2007	TOA295	295	Study	TOA	Admin	1 topics.	UG	IS	nt Study
						Problems, approaches, and			
						topics in the field of office			
			Studies in		Technical	administration. May be taken for			
			Selected		Office	letter grade or			
Fall 2007	TOA297	297	Subjects	TOA	Admin	1 pass/unsatisfactory. Titles vary.	UG	LE	Lecture
			,			Practical secretarial experience			
						under the joint planning and			
						coordination of faculty, student,			
						and business representative.			
						Completion of 60 hours of course			
					Technical	work required. May be taken for			
					Office	a letter grade of			
Fall 2007	TOA299	299	Internship	TOA	Admin	4 pass/unsatisfactory.	UG	IN	Internship
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mphacic will be placed on			
Emphasis will be placed on			
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•	UG	LE	Lecture
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mproving reading skills,			
comprehension, concetration,			
and related vocabulary			
development. This will be			
accomplished by utilizing			
ndividualized instruction in			
sequenced kits and other related	UG	LE	Lecture
THis is an individualized course			
which allows students to proceed			
at their own pace (within reason			
as stipulated by the instructor)			
and provides students with one			
on one instruction to enhance			
heir individual needs whether it			
s to develop a "working			
n other courses presently			
enrolled in or those to be taken			
n the future. Students work			
oward improved vocabulary,			
•			
•	UG	LE	Lecture
IN COMPANDED IN COMPANDA COMPA	mproving reading skills, omprehension, concetration, nd related vocabulary evelopment. This will be ccomplished by utilizing ndividualized instruction in equenced kits and other related continuation of TSS 051. Imphasis will be placed on improving reading skills, omprehension, concetration, nd related vocabulary evelopment. This will be ccomplished by utilizing individualized instruction in equenced kits and other related. His is an individualized course which allows students to proceed to their own pace (within reason is stipulated by the instructor) and provides students with one on one instruction to enhance their individual needs whether it is to develop a "working ocabulary" needed to succeed to other courses presently inrolled in or those to be taken on the future. Students work oward improved vocabulary, oncentrating on techniques of inlocking meaning through ontextual clues and knowledge of Latin and Greek roots, refixes and suffixes. Students will also formulate data retention ards to master specific or	mproving reading skills, omprehension, concetration, and related vocabulary evelopment. This will be accomplished by utilizing adividualized instruction in equenced kits and other related accomplished by utilizing andividualized instruction in equenced kits and other related accomplished by accomplished by utilizing andividualized instruction in equenced kits and other related accomplished by utilizing andividualized instruction in equenced kits and other related accomplished by utilizing andividualized instruction in equenced kits and other related at their own pace (within reason is stipulated by the instructor) and provides students with one and provides students with one and in one instruction to enhance their individual needs whether it is to develop a "working ocabulary" needed to succeed another courses presently incolled in or those to be taken and the future. Students work accomplished by the instruction of an one instruction of the courses of an other courses presently incolled in or those to be taken and the future. Students work accomplished by the instruction of an other courses presently incolled in or those to be taken and the future. Students work accomplished by the instruction of an other courses presently incolled in or those to be taken and the future. Students work accomplished by the instruction of an other courses presently incolled in or those to be taken and the future. Students work accomplished by the instruction of an other courses presently incolled in or those to be taken and the future. Students work accomplished by the instruction of an other courses presently incolled in or those to be taken and the future. Students work accomplished by the instruction of the course with a course of an other course presently incolled in or those to be taken and the future. Students work accomplished by the instruction in the course of the course of the course of the course of the course of the course of the course of the course of the course of the course of the course of the course of the cours	mproving reading skills, comprehension, concetration, and related vocabulary evelopment. This will be ccomplished by utilizing adividualized instruction in equenced kits and other related continuation of TSS 051. Imphasis will be placed on improving reading skills, comprehension, concetration, and related vocabulary evelopment. This will be ccomplished by utilizing adividualized instruction in equenced kits and other related this is an individualized course which allows students to proceed at their own pace (within reason as stipulated by the instructor) and provides students with one an one instruction to enhance their individual needs whether it as to develop a "working ocabulary" needed to succeed an other courses presently another courses presently another future. Students work boward improved vocabulary, concentrating on techniques of another individual course and in the future. Students work boward improved vocabulary, concentrating on techniques of another courses and knowledge and the future of another courses presently another courses presently another courses presently another courses presently another courses presently another courses and suffices. Students and Greek roots, arefixes and suffixes. Students and suffixes. Students and suffixes. Students and suffixes are tention ards to master specific or

Fall 2007	TSS062	062	Development	TSS	Study Skills	or general vocabulary of a 1 discipline/course. UG LE Lecture	
			Vocabulary		Technical	retention cards to master specific	
						Students will also formulate data	
						roots, prefixes and suffixes.	
						knowledge of Latin and Greek	ļ
						through contextual clues and	
						techniques of unlocking meaning	ļ
						vocabulary, concentrating on	
						Students work toward improved	
						those to be taken in the future.	
						courses presently enrolled in or	
						needed to succeed in other	
						develop a "working vocabulary"	
						individual needs whether it is to	
						one instruction to enhance their	
						provides students with one on	
						stipulated by the instructor) and	
						their own pace (within reason as	
						allows students to proceed at	
						an individualized course which	
						Continuation of TSS 061. This is	,

						This course is designed to satisfy individual needs of college students interested in enhancing their ability to become more flexible reader regardless of their major or discipline of study. Emphasis will be placed on refining reading skills, improving rate, comprehension and efficiency. Individual improvement will be the goal with no limits as to how much a student may improve in his/her ability to read. This course is recommended only for those students who already read adequately, but desire techniques which will decrease			
						3			
					Technical	the amount of time spent in			
			Speed		Study	reading and help determine at			
Fall 2007	TSS071	071	REading I	TSS		what rate different materials	UG	LE	Lecture

						This source is designed to setisfy			
						This course is designed to satisfy			
						individual needs of college			
						students interested in enhancing			
						their ability to become more			
						flexible reader regardless of their			
						major or discipline of study.			
						Emphasis will be placed on			
						refining reading skills, improving			
						rate, comprehension and			
						efficiency. Individual			
						improvement will be the goal			
						with no limits as to how much a			
						student may improve in his/her			
						ability to read. This course is			
						recommended only for those			
						students who already read			
						adequately, but desire			
						techniques which will decrease			
					Technical	the amount of time spent in			
			Speed		Study	reading and help determine at			
Fall 2007	TSS072	072	REading II	TSS	Skills	1 what rate different materials	UG	LE	Lecture
					University	Faculty-directed research or			
Fall 2007	UH101	101	Directed Study	UH	Honors	1 reading.	UG	SE	Seminar
						Explores the humanities			
						comparatively, stressing			
						similarities and differences in			
						themes, methods, materials,			
						theoretical constructs, and			
						problems. Focuses on such			
			Studies in		University	topics as humanity and freedom			
Fall 2007	UH201	201	Humanities	UH	Honors		UG	SE	Seminar
			Writing in UH		University	Required writing component for			
Fall 2007	UH201W	201W	201	UH	Honors	0 UH 201.	UG	LB	Lab

							Explores the social sciences			
							comparatively, stressing			
							similarities and differences in			
							themes, methods, materials,			
							theoretical constructs, and			
			Studies in				problems. Focuses on such			
			Social		University		topics as people and groups or			
Fall 2007	UH202	202	Sciences	UH	Honors	3	institutions and bureaucracies.	UG	SE	Seminar
			Writing in UH		University		Required writing component for			
Fall 2007	UH202W	202W	202	UH	Honors	0	UH 202.	UG	LB	Lab
							Varying topics or issues in the			
							natural sciences approached in			
							an interdisciplinary framework.			
							Course permits intensive			
							coverage of subject matter while			
			Studies in the				also focusing on the			
			Natural		University		interrelationships of the natural			
Fall 2007	UH203	203	Science	UH	Honors	4	scientific disciplines.	UG	SE	Seminar
			Writing in UH		University					
Fall 2007	UH203W	203W	203	UH	Honors	0		UG	LB	Lab
							Emphasis on broadly			
					University		interdisciplinary topics or issues.			
Fall 2007	UH400	400	Honors	UH	Honors	3	Topics vary.	UG	SE	Seminar
			Writing in UH		University		Required writing component for			
Fall 2007	UH400W	400W	400	UH	Honors	0	UH 400.	UG	LB	Lab
							An interdisciplinary view of			
							growth and change in urban			
							societies around the globe. Case			
							studies illustrate how			
							urbanization, technology			
							development and the			
							administrative state intertwine			
			Grow/Change		Urban		and affect economic and			
Fall 2007	URS200	200	Urb Society	URS	Affairs	4	population growth and change.	UG	LE	Lecture
			Writing in URS		Urban		Required writing component for			
Fall 2007	URS200W	200W	200	URS	Affairs	0	URS 200.	UG	LB	Lab

							Interdisciplinary introduction to			
							general field of urban affairs.			
			Intro to Urban		Urban		Reviews idea of the city and	_		
Fall 2007	URS311	311	Affairs	URS	Affairs	4	meaning of urban life.	UG	LE	Lecture
			Writing in URS		Urban		Required writing component for			
Fall 2007	URS311W	311W	311	URS	Affairs	0	URS 311.	UG	LB	Lab
							Urban history in its broadest			
							sense from the ancient world to			
							the present, providing historical			
							perspective to the contemporary			
							urban-metropolitan phenomenon			
			American		Urban		and exploring how and why			
Fall 2007	URS316	316	Urban History	URS	Affairs	4	urban civilization came to be.	UG	LE	Lecture
i							(Also listed as GEO 317.)			
							Examination of the development			
							of city planning as a professional			
							discipline. Consideration of the			
							contributions			
							?to planning by the arts and			
							sciences. Selected activities and			
							functions of contemporary urban			
			Urban				planning agencies are viewed			
			Planning I:		Urban		from the perspective of current			
Fall 2007	URS317	317	Intro	URS	Affairs	4	urban problems.	UG	LE	Lecture
							(Also listed as GEO 318.)			
							Includes the role of planning in			
							urban structures, and duties and			
							responsibilities of planning			
							commissions; process of			
							preparing comprehensive plans;			
			Urban				population change, the economic			
			Planning II:		Urban		base, and determinants of future			
Fall 2007	URS318	318	Princ	URS	Affairs	4	urban structure.	UG	LE	Lecture
							(Also listed as PLS 321.)			
							Governments and politics of			
							metropolitan regions,			
ı					Urban		government structure and			
Fall 2007	URS321	321	City Politics	URS	Affairs	4	functions, and interest and	UG	LE	Lecture

						(Also listed as PLS 345.) Nature and scope of public			
						administration; administrative			
			Public		Urban	law; and public interest in the			
Fall 2007	URS345	345	Administration	URS	Affairs	4 administrative process.	UG	LE	Lecture
						(Also listed as PLS 346.) Methods			
						of employment, training,			
						compensation, and employee			
			Public			relations in various levels of civil			
			Personnel		Urban	service. Examines organizations			
Fall 2007	URS346	346	Admin.	URS	Affairs	4 of public employees.	UG	LE	Lecture
			Studies			Problems, approaches, and			
			Selected		Urban	topics in the field of urban			
Fall 2007	URS399	399	Subjects	URS	Affairs	4 affairs. Topics vary.	UG	LE	Lecture
						Exploration of the potential			
						threats and hazards facing public			
						transit systems and procedures			
						for mitigating risks. Offers			
						guidelines for managing critical			
			Security			incidents and how to become an			
			Emergency		Urban	integral component of the			
Fall 2007	URS401	401	Prepa	URS	Affairs	1 Emergency Response Team.	UG	LE	Lecture
						Introduces students to research			
						and data collection methods			
						used to explore and explain			
						urban issues. Preparation course			
						for URS 411 and students			
						interested in empirical research.			
						Investigates what makes			
			Urban			research useful, valid, and			
			Empirical		Urban	ethical. Requires evaluating and			
Fall 2007	URS410	410	Research	URS	Affairs	4 developing research designs.	UG	LE	Lecture
			Writing in URS		Urban	. 5			
Fall 2007	URS410W	410W	410	URS	Affairs	0	UG	LB	Lab
						Includes development of a major			
			Seminar in		Urban	research paper and a			
Fall 2007	URS411	411	Urban Affairs	URS	Affairs	4 bibliography in urban affairs.	UG	SE	Seminar

			Writing in URS		Urban	Required writing component for			
Fall 2007	URS411W	411W	411	URS	Affairs	0 URS 411.	UG	LB	Lab
						Cities and technology deals with			
						the evolving relationship			
						between technology and urban			
						growth, physical form,			
						government, and politics.			
						Explores how technological fixes			
			Cities and		Urban	for complex urban problems			
Fall 2007	URS412	412	Technology	URS	Affairs	4 have shaped urban development	UG	LE	Lecture
						Examines the constitutional			
						context of public administration			
						and administrative rulemaking.			
						Topics include local rules and			
			Legal			codes, the administrative appeals			
			Environment		Urban	process, and sunshine and public			
Fall 2007	URS413	413	of PA	URS	Affairs	4 records law.	UG	LE	Lecture
						Examines local fiscal institutions			
						and introduces analytical tools			
						for designing and evaluating			
						fiscal policies. Reviews financial			
						reporting and accounting, the			
						municipal bond market, pension			
						systems, state and local taxes,			
			Public Fiscal		Urban	user charges, and			
Fall 2007	URS414	414	Admin	URS	Affairs	4 intergovernmental relations.	UG	LE	Lecture
						Focuses on the importance, the			
						profession, and the practice of			
						community development.			
						Introduces theories of			
						community and development and			
			Community		Urban	studies current neighborhood			
Fall 2007	URS415	415	Development I	URS	Affairs	4 programs and policies.	UG	LE	Lecture

						Examines three fundamental	
						organizing strategies-self-help, technical assistance, and conflict-	
						which are used to improve a	
			Community			community's quality of life. The	
			,		Urban	course combines classroom	
Fall 2007	LIDC 417	11/	Development	LIDC			Laatura
Fall 2007	URS416	416	П	URS	Affairs	3	Lecture
						Examines collective bargaining,	
						the negotiation process, impasse	
			5			resolution, and contract and	
	1100447	447	Public Sector		Urban	grievance administration in local	
Fall 2007	URS417	417	Labor Rela	URS	Affairs	4 government. UG LE	Lecture
1						Policing, corrections, fire,	
1						emergency medical services, and	
						emergency management	
						systems will be surveyed to	
						provide an understanding of the	
						services offered, technologies	
			Public Safety		Urban	used, problems faced, and	
Fall 2007	URS420	420	Admin	URS	Affairs	4 alternatives available in each of UG LE	Lecture
1						Investigates changes in public	
						administration in the USA and	
						internationally that are caused	
						by globalization and	
						urbanization. The changes	
						relate to organizational structure,	
			Comparative		Urban	functions, partnerships, and	
Fall 2007	URS421	421	Public Admin	URS	Affairs	4 values. UG LE	Lecture
						Explores issues and topics	
						related to the administration of	
						urban nonprofit organizations,	
						community development	
			Issues in		Urban	agencies, and local governments.	
Fall 2007	URS423	423	Metro Admin	URS	Affairs	4 Titles vary. UG LE	Lecture

						Examines various issues related to planning urban environments.			
						Topics may include housing,			
			Issues in			funding nonprofit organizations,			
			Metro		Urban	strategic planning, and economic			
Fall 2007	URS424	424	Planning	URS	Affairs	4 development action plans.	UG	LE	Lecture
						Explores issues that impact			
						metropolitan development such			
			Issues in		Urban	as pollution, the nonprofit sector,			
Fall 2007	URS425	425	Metro Develop	URS	Affairs	4 and transportation.	UG	LE	Lecture
						(Also listed as PLS 427.) Study of			
						the policy development process			
						and its relationship to past and			
						current urban issues. The course			
						focuses on a current urban issue			
			Urban Policy		Urban	through discussion, reading, and			
Fall 2007	URS427	427	Analysis	URS	Affairs	4 research.	UG	LE	Lecture
						(Also listed as PLS 446.)			
						Examination of the major phase			
						of the governmental budget			
						cycle, types of budget,			
						budgetary reform, economic and			
						public impact of government			
						budgeting, decision-making			
						process, and			
			Public		Urban	legislative/executive relations in			
Fall 2007	URS446	446	Budgeting	URS	Affairs	4 budget formation and	UG	LE	Lecture
						Systematic development of			
						ethics in public service, including			
						individual roles and obligations,			
			Ethics in		Urban	values, standards, and codes of			
Fall 2007	URS450	450	Public Serv	URS	Affairs	4 conduct.	UG	LE	Lecture
			Writing in URS		Urban				
Fall 2007	URS450W	450W	450	URS	Affairs	0	UG	LB	Lab

							Examines the leadership role of			
							the urban administrator in			
							formulating programs, policies,			
							and service delivery options.			
							Explores topics such as			
							managing the internal and			
							external environments,			
			Public & NP		Urban		improving productivity and			
Fall 2007	URS470	470	Leadership	URS	Affairs		effectiveness, and	UG	LE	Lecture
			Writing in URS		Urban		Required writing component for			
Fall 2007	URS470W	470W	470	URS	Affairs	0	URS 470.	UG	LB	Lab
							Examines the organizational and			
							managerial foundations of			
							nonprofit organizations. Areas			
							such as the nature and mission			
							of nonprofit organizations,			
							evaluating performance,			
							resource development/fund-			
			Mgt of Urban		Urban		raising, and managing volunteers			
Fall 2007	URS475	475	Nonprofit	URS	Affairs	4	are explored.	UG	LE	Lecture
							Examines the concepts and			
							processes fundamental to			
							fundraising and grant writing.			
							Students learn about and use			
							tools, techniques and skills			
			Fundraising/Gr		Urban		needed to raise funds and write			
Fall 2007	URS476	476	ant Write	URS	Affairs	4	grant proposals.	UG	LE	Lecture
							Introduction to the field of			
							Philanthropy, its history and its			
							place in democratic society.			
							Students will be engaged in the			
			Philanthropy		Urban		practice and administration of			
Fall 2007	URS477	477	Urban Dev	URS	Affairs	4	philanthropic organizations.	UG	LE	Lecture

						Study of the knowledge and			
						skills needed by individuals			
						managing volunteers.			
						Components include volunteer			
						recruitment; training; motivation			
			Managing		Urban	and retention; risk management;			
Fall 2007	URS478	478	Volunteer Org	URS	Affairs	4 and volunteer program	UG	LE	Lecture
1 411 2007	0110170	170	rolantoon org	O. CO	7.114113	Advanced study in selected			2001410
						topics in urban studies. Topics			
						may include new developments			
					Urban	in methodology or the various			
Fall 2007	URS490	490	Special Topics	URS	Affairs	1 subfields of the discipline.	UG	LE	Lecture
		170	opena. repies		7	Various topics such as board			20010.0
						development, risk management,			
			Nonprofit			volunterr management, volunterr			
			Admin Ind		Urban	management, and program			
Fall 2007	URS491	491	Proj	URS	Affairs	1 planning.	UG	LE	Lecture
			- 3			Senior-level internship in which			
			Urban Affairs		Urban	students work in the offices of a			
Fall 2007	URS492	492	Internship	URS	Affairs	4 local public agency.	UG	IN	Internship
			Studies			Deals with problems,			
			Selected		Urban	approaches, and topics in the			
Fall 2007	URS599	599	Subjects	URS	Affairs	4 field of urban studies. Topics	GR	LE	Lecture
						Cities and technology deals with			
						the evolving relationship			
						between technology and urban			
						growth, physical form,			
						government, and politics.			
						Explores how technological fixes			
			Cities and		Urban	for complex urban problems			
Fall 2007	URS612	612	Technology	URS	Affairs	4 have shaped urban development	GR	LE	Lecture
						Examines the constitutional			
						context of public administration			
						and administrative rulemaking.			
						Topics include local rules and			
			Legal			codes, the administrative appeals			
			Environment		Urban	process, and sunshine and public			
Fall 2007	URS613	613	of PA	URS	Affairs	4 records laws.	GR	LE	Lecture

Fall 2007	URS614	614	Public Fiscal Admin	URS	Urban Affairs	Examines local fiscal institutions and introduces analytical tools for designing and evaluating fiscal policies. Reviews financial reporting and accounting, the municipal bond market, pension systems, state and local taxes, user charges, and 4 intergovernmental relations.	GR	LE	Lecture
			Community		Urban	Focuses on the importance, the profession, and the practice of community development. Introduces theories of community and development and studies current neighborhood			
Fall 2007	URS615	615	Develop I Community	URS	Affairs Urban	4 programs and policies. Examines three fundamental organizing strategies-self-help, technical assistance, and conflict-which are used to improve a community's quality of life. The course combines classroom	GR	LE	Lecture
Fall 2007	URS616 URS617	616	Develop II Urban Labor Relations	URS	Affairs Urban Affairs	4 learning and field observation. Examines collective bargaining, the negotiation process, impasse resolution, and contract and grievance administration in local 4 government.	GR GR	LE LE	Lecture Lecture
			Urban Public		Urban	Examines the community's infrastructure with an emphasis on capital improvements programming. Reviews the community's development of the street system, water and sewer systems, solid waste management, and code			
Fall 2007	URS618	618	Urban Public Wrks Admin	URS	Urban Affairs		GR	LE	Lect

							Policing, corrections, fire,			
							emergency medical services, and			
							emergency management			
							systems will be surveyed to			
							provide an understanding of the			
							services offered, technologies			
			Dublia Cafaty		Urban		used, problems faced, and			
Fall 2007	URS620	620	Public Safety Admin	URS	Affairs		alternatives available in each of	GR	LE	Lecture
raii 2007	UK3020	020	Aumin	UKS	Allalis			GR	LE	Lecture
							Investigates changes in public			
							administration in the USA and			
							internationally that are caused			
							by globalization and			
							urbanization. The changes			
			Camananation		I Inda a sa		relate to organizational structure,			
F-II 2007	LIDC/ 21	(21	Comparative	LIDC	Urban		functions, partnerships and	CD		1 4
Fall 2007	URS621	621	Public Admin	URS	Affairs		values.	GR	LE	Lecture
							Courses taught under this title			
							explore issues and topics related			
							to the administration of urban			
							nonprofit organizations,			
					I Inda a sa		community development			
F-II 0007	LIDC(00	400	Issues in	LIDC	Urban		agencies, and local governments	O.D.		
Fall 2007	URS623	623	Metro Admin	URS	Affairs	4		GR	LE	Lecture
							Various issues related to			
							planning urban environments.			
							Topics include housing, funding			
							non-profit organizations,			
			Issues in				strategic planning, vision			
E !! 0007	1100101		Metro		Urban		planning, and economic	0.0	. –	
Fall 2007	URS624	624	Planning	URS	Affairs		development action plans. Titles	GR	LE	Lecture
							Explores issues that impact			
							urban development such as			
							housing, pollution, or			
							privatization. Emphasizes an			
			Issues in		Urban		approach for understanding the		_	
Fall 2007	URS625	625	Metro Develop	URS	Affairs	4	issues and formulating effective	GR	LE	Lecture

						(Also listed as PLS 427/627.)	
						Study of the policy development	
						process and its relationship to	
						past and current urban issues.	
						The course focuses on a current	
			Urban Policy		Urban	urban issue through discussion,	
Fall 2007	URS627	627	Analysis	URS	Affairs		cture
1 411 2007	OROUZ /	027	riidiyələ	ONO	Allans	This course addresses essential	Cturo
						transportation policy and	
						concepts designed to help Ohio's	
						public administrators, nonprofit	
						administrators, transportation	
						managers, and other	
						professionals understand public	
						and social service transportation	
			Public Social		Urban	demand and basic challenges of	
Fall 2007	URS630	630	Svc Transp	URS	Affairs		cture
			- 11 11 11 11 11 11 11 11 11 11 11 11 11			This course addresses essential	
						passenger transportation	
						practices designed to help public	
						administrators, social service	
						managers, transit administrators,	
						and other professionals	
						understand and work with the	
			Rural Urban		Urban	operational realities of urban and	
Fall 2007	URS631	631	Pub Transit	URS	Affairs	4 rural public transportation. GR LE Lec	cture
						This course addresses transit	
						system financial management	
						and regulatory compliance.	
						Subject matter includes	
						components of operating and	
			Transit Fiscal		Urban	capital budgets, financial	
Fall 2007	URS632	632	Reg Mgmt	URS	Affairs	4 reporting and monitoring, risk m GR LE Lec	cture
						Systematic development of	
						ethics in public service, including	
						individual roles and obligations,	
			Ethics in		Urban	values, standards, and codes of	
Fall 2007	URS650	650	Public Serv	URS	Affairs	4 conduct. GR LE Lea	cture

							Addresses the theory and practice of strategic thinking,			
			Strategic		Urban		planning, and management in			
Fall 2007	URS655	655	Planning	URS	Affairs	4	public and nonprofit	GR	LE	Lecture
							Study of urban government			
							leadership and community			
							decision making. Major theories			
							and concepts of leadership			
							behavior within organizations			
			Public & NP		Urban		and macro studies of urban			
Fall 2007	URS670	670	Leadership	URS	Affairs	4	community power systems.	GR	LE	Lecture
							Examines the organizational and			
							managerial foundations of			
							nonprofit organizations. Areas			
							such as the nature and mission			
							of nonprofit organizations,			
							strategies for achieving the			
							mission, roles involved,			
							evaluating performance,			
							resource			
			Mgt of Urban		Urban		development/fundraising, and			
Fall 2007	URS675	675	Nonprofit	URS	Affairs	4	managing volunteers are	GR	LE	Lecture
							Examines the concepts and			
							processes fundamental to			
							fundraising and grant writing.			
							Students learn about the use			
							tools, techniques and skills			
			Fundraising/Gr		Urban		needed to raise funds and write			
Fall 2007	URS676	676	ant Write	URS	Affairs	4	grant proposals.	GR	LE	Lecture
							Introduction to the field of			
							Philanthropy; its history and its			
							place in democratic society.			
					Llule a :-		Students will be engaged in the			
F-II 0007	LIDC/77		Die Herrette von	LIDC	Urban		practice and administration of	CD		1
Fall 2007	URS677	677	Philanthropy	URS	Affairs	4	philanthropic organizations.	GR	LE	Lecture

							Study of the knowledge and			
							skills needed by individuals			
							managing volunteers.			
							Components include volunteer			
							recruitment; training; motivation			
			Managing		l leb on		· ·			
F-II 2007	LIDC/ 70	770	Managing	LIDC	Urban	4	and retention; risk management;	CD		1 4
Fall 2007	URS678	678	Volunteer Org	URS	Affairs	4	the volunteer program	GR	LE	Lecture
							Advanced study in selected			
							topics in urban studies. Topics			
							may include new developments			
					Urban		in methodology or the various			
Fall 2007	URS690	690	Special Topics	URS	Affairs	1	subfields of the discipline.	GR	LE	Lecture
							Various topics such as board			
			Nonprofit				development, risk management,			
			Admin Ind		Urban		volunteer management, and			
Fall 2007	URS691	691	Proj	URS	Affairs	1	program planning.	GR	LE	Lecture
							Examines the legal and political			
							variables that affect the			
							management and operation of			
			Environ of		Urban		local governments with special			
Fall 2007	URS700	700	Public Admin	URS	Affairs	4	emphasis on Ohio.	GR	LE	Lecture
							Analysis and interpretation of			
							statistics required in public			
			Stats for				management and policy analysis			
			Public		Urban		with emphasis on multivariate			
Fall 2007	URS701	701	Manager	URS	Affairs	4	statistical techniques.	GR	LE	Lecture
					Urban					
Fall 2007	URS701L	701L	URS Lab	URS	Affairs	0		UG	LB	Lab
							Analysis of the fundamental			
							behavior concepts and processes			
							involved in public section			
							organizations. Evaluation of			
							approaches to major behavioral			
							issues such as motivation,			
			Urban Organ'l		Urban		leadership, and management			
Fall 2007	URS702	702	Theory	URS	Affairs	4	development.	GR	LE	Lecture

							Focuses on the budget at the			
							city level. Structural influences			
							on the budget process are			
			Public & Non-		Urban		discussed. Different budget			
Fall 2007	URS703	703	Profit Budg	URS	Affairs	4	techniques are analyzed and	GR	LE	Lecture
							Reviews concepts, theories, and			
							practices of community			
							development and planning.			
							Evaluation of current			
							developments in the field with			
							special emphasis on			
			Public		Urban		implementation strategies.			
Fall 2007	URS704	704	Planning	URS	Affairs	4		GR	LE	Lecture
							Examines personnel functions			
							such as job evaluation,			
							recruitment and selection,			
							performance appraisal,			
			Public Human		Urban		compensation, training, labor			
Fall 2007	URS705	705	Res Admin	URS	Affairs	4	relations, and affirmative action.	GR	LE	Lecture
							Focuses on different aspects of			
							policy evaluation by obtaining			
							facts and analyzing information			
							on impact of public programs.			
							Deals with controversy over the			
							use of objective performance			
			Res Methods		Urban		indicators and citizen surveys as			
Fall 2007	URS706	706	in Pub Admin	URS	Affairs	4	program performance measures.	GR	LE	Lecture
							Survey of the methodologies and			
							concepts for analyzing the			
							efficiency and effectiveness of			
							decision-making, information			
			Quant				management, and processes of			
			Analysis/Publ		Urban		the public organization.			
Fall 2007	URS707	707	Mgrs	URS	Affairs	4		GR	LE	Lecture
			Capstone				Capstone research project for			
			Research		Urban		the master's degree in urban			
Fall 2007	URS708	708	Project	URS	Affairs	4	administration.	GR	LE	Lecture

			Urban						
			Research		Urban	Research project for the master's			
Fall 2007	URS709	709	Project	URS	Affairs	9	GR	LE	Lecture
						One quarter supervised			
						internship of at least 200 hours			
						in a selected urban government			
						or agency, arranged in			
						consultation with student's			
			Urban		Urban	advisor or intern director. Graded			
Fall 2007	URS723	723	Internship	URS	Affairs	4 pass/unsatisfactory.	GR	IN	Internship
						One quarter supervised			
						internship of at least 200 hours			
						in a selected urban government			
						or agency, arranged in			
						consultation with student's			
			Urban		Urban	advisor or intern director.			
Fall 2007	URS791	791	Intership	URS	Affairs	4 Graded pass/unsatisfactory.	GR	IN	Internship
						If previous knowledge and/or			
						experience in a selected core			
						course is demonstrated, then			
			Direct Study in		Urban	URS 793 may be substituted for			
Fall 2007	URS793	793	Urban Admin	URS	Affairs	4 that selected core course.	GR	LE	Lecture
						Under the supervision of a thesis			
						committee and chair, students			
						select an urban administration			
						problem, prepare a proposal			
						detailing the research question,			
						complete the research, write			
						their thesis with full			
					Urban	documentation and defend their			Independe
Fall 2007	URS799	799	Urban Thesis	URS	Affairs	4 work before the committee.	GR	IS	nt Study

						Offers how-to advice on topics			
						such as note taking, time			
						management, preparing for			
						exams, textbook skills, memory			
						training, library usage, etc.			
						Individual and group			
						study/counseling offered as time			
						permits. Graded			
			College Study		University	pass/unsatisfactory. (Previously			
Fall 2007	UVC100	100	Strategies	UVC	College	1 listed as UD 100.)	UG	LE	Lecture
1 411 2007	0 7 0 1 0 0	100	onatogios	0.00	Conege	Interactive presentation and			Loctaro
						discussion of college student life			
						and adjustment issues, academic			
						strategies, academic			
						requirements and information,			
						organization of the university,			
			First Year		University	and career development.			
Fall 2007	UVC101	101	Seminar I	UVC	College	2 (Previously listed as UD 101.)	UG	SE	Seminar
					3	Continuation of UVC 101.			
						Extends learning community			
						participation. Uses students first			
						quarter experience to further			
			First Year		University	facilitate adjustments to college.			
Fall 2007	UVC102	102	Seminar II	UVC	College	1 Graded pass/unsatisfactory.	UG	SE	Seminar
						Critical analysis of content area			
						readings. Emphasis on:			
						recognizing organizational			
						patterns; distinguishing fact from			
						opinion; problem solving; logical			
						reasoning; recognizing author's			
						background, intent, attitude, bias			
						and tone; making inferences;			
			Critical		University	recognizing propaganda and			
Fall 2007	UVC104	104	Reading	UVC	College	3 persuasive writing.	UG	LE	Lecture

							Helps students learn how to			
							manage stress better by using			
							applications from cognitive			
							psychology and experiential			
			Ctross Mat 0		Limitromoitur		training in well established			
F-II 2007	111/0107	107	Stress Mgt &	111/10	University	2	techniques. Graded	110		l a atuma
Fall 2007	UVC107	107	Relax Techn	UVC	College		pass/unsatisfactory.	UG	LE	Lecture
							Recommended for the			
							nontraditional student who is			
							beginning or reentering to			
							college after a long absence.			
							Topics include time			
							management, reading for			
							content, note taking, test taking,			
							test anxiety, stress management,			
			Returning to		University		and making learning fun. Graded			
Fall 2007	UVC110	110	Learning	UVC	College	2	pass/unsatisfactory.	UG	SE	Seminar
							Learning community students			
							who participate in programs			
							addressing unique issues my			
							participate in Friday Interest			
							Groups. Meeting once per week,			
							Visions students will learn tips			
			First Year		University		for success on a majority			
Fall 2007	UVC111	111	Interest Group	UVC	College	0	campus, for example.	UG	SE	Seminar
							Designed to give the student			
							valuable work experience in an			
							actual marketing environment			
					Vocationa		while being supervised/directed			
			Bus/Mkt Ed		I		by a business or marketing			
Fall 2007	VOE401	401	Practicum	VOE	Education	1	educator.	UG	IN	Internship
							Students will be observing the 29			
							competencies required by the			
					Vocationa		Division of Vocational and Career			
			Field		I		Education in a vocational			
Fall 2007	VOE402	402	Experience I	VOE	Education	1	laboratory setting.	UG	IN	Internship

Fall 2007	VOE403	403	Field Experience II	VOE	Vocationa I Education	Students will be observing the 29 competencies required by the Division of Vocational and Career Education in vocationally related 1 classes. UG IN Internship
			Field		Vocationa I	Students will be observing the 29 competencies required by the Division of Vocational and Career Education in applied academic
Fall 2007	VOE404	404	Experience III \ Field	VOE	Vocationa I	1 classes. Students will be observing the 29 competencies required by the Division of Vocational and Career Education and will be placed in vocationally funded employability
Fall 2007	VOE405	405	Experience IV \ Survey	VOE	Vocationa I	1 and entrepreneurship classes. UG IN Internship An overview of the instructional programs in workforce education and their administration at the national, state, and local levels. Current legislation, school-to-work initiatives, tech prep, and trends affecting workforce programs are addressed and
Fall 2007	VOE406	406	Workforce Ed \	VOE	Education Vocationa	The selection, implementation, and evaluation of school-to-work transition models in organizing and managing work and community-based education programs. Topics include career information resources, curriculum materials, and trends
Fall 2007	VOE407	407		VOE	Education	3 influencing work and careers. UG LE Lecture

						An analysis and discussion of the	
						federal and state laws as they	
					Vocationa	affect the local school agency in	
			Laws &		I	operating vocational education	
Fall 2007	VOE410	410	Regulations	VOE	Education	1 3	ture
						Discusses strategies for selection	
						and arrangement of learning	
						activities in the classroom and	
						laboratory setting, procedures	
						for safety, handling and storage	
						of materials and supplies,	
						student personnel systems,	
						records and reports, Lec	ture/La
					Vocationa	maintenance of equipment, b	
			Wkforce		I	rotation of assignments, and Con	mbinatio
Fall 2007	VOE411	411	Clsrm/Lab Mgt	VOE	Education	3 student evaluation. UG LL n	
						A study of the role of the	
						vocational school in the	
						community including vocational	
						school publics, theories of	
						community power structure, and	
					Vocationa	the vocational school with	
			School-Comm		I	emphasis on methods of	
Fall 2007	VOE412	412	Relations	VOE	Education	3 communication. UG LE Lec	ture
		$\prod_{i=1}^{n}$				Provides an introduction to the	
						historical and philosophical	
						antecedents to the present day	
						vocational and technical	
						education. It examines social	
						influences which have affected	
						legislation which supports	
						vocational and technical	
						education. Basic principles are	
						introduced. Current trends and	
					Vocationa	issues in vocational, technical,	
			Hst & Phil		I	and career education are	
Fall 2007	VOE418	418	Fnds of VOE	VOE	Education	3 examined. UG LE Lec	ture

						Current practice and innovation in the study of discipline models			
						and their application in the			
					Vocationa	classroom. Topics include the			
			Classrm Mgt		I	legal implications of classroom			
Fall 2007	VOE421	421	Workforce Ed	VOE	Education	3 management.	UG	LE	Lecture
						Evaluation of student learning			
					Vocationa	and performance including forms			
			Evaluation of		1	of measurement and			
Fall 2007	VOE431	431	Workforce Ed	VOE	Education	3 interpretation of data.	UG	LE	Lecture
						Provides students with a			
						foundation for teaching			
						workforce education			
						competencies, philosophy, and			
			Intro		Vocationa	instructional organization.			
			Workforce		I	Development of integrated			
Fall 2007	VOE451	451	Educ	VOE	Education	3 workforce instructional plans is a	UG	LE	Lecture
						An analysis of vocational youth			
					Vocationa	organizations with emphasis on			
			Voc Student		I	planning and conducting such			
Fall 2007	VOE456	456	Organization	VOE	Education	3 programs.	UG	LE	Lecture
						Provides workforce educators the			
						competencies necessary to			
						identify, select, and organize			
					Vocationa	curricular models and resources			
			Selct & Org		I	to develop a program course of			
Fall 2007	VOE458	458	Wkforce Curr	VOE	Education	3 study.	UG	LE	Lecture
						An analysis of occupational tasks			
						and competency lists to identify			
						related math, science, or			
						communication skills necessary			
						to succeed as workers in modern			
						society. Includes methods of			Lecture/La
					Vocationa	teaching academics as applied to			b
			Meth Incorp		I	work or laboratory skills or			Combinatio
Fall 2007	VOE463	463	Acad Skls	VOE	Education	3 operations.	UG	LL	n

							Effective coordination strategies			
							and procedures in the			
							administration and management			
					Vocationa		of cooperative programs in high			
			Coordination		I		schools, and in adult and			
Fall 2007	VOE469	469	Techniques	VOE	Education		postsecondary education.	UG	LE	Lecture
					.,					
					Vocationa					
	_		Workshop Voc		I .		Intensive practical study in			
Fall 2007	VOE470	470	Ed	VOE	Education	1	vocational education.	UG	LE	Lecture
							The development of basic			
							cognitive and performance skills			Lecture/La
			Intro		Vocationa		in pedagogy required by new			b
			Workforce		I		workforce teachers to earn a			Combinatio
Fall 2007	VOE471	471	Teaching	VOE	Education	8	vocational teacher license.	UG	LL	n
							Development of basic			
					Vocationa		knowledge, skills, and attitudes			
			Supervise		I		required for vocational			
Fall 2007	VOE472	472	Teaching I	VOE	Education	3	certification of new, noncertified	UG	IN	Internship
							Development of basic			
					Vocationa		knowledge, skills, and attitudes			
			Supervise		I		required for vocational			
Fall 2007	VOE473	473	Teaching II	VOE	Education	3	certification of new non-certified	UG	IN	Internship
							Devopment of basic knowledge,			
					Vocationa		skills and attitudes required for			
			Supervise		I		vocational certification of new,			
Fall 2007	VOE474	474	Teaching III	VOE	Education	3	non-certified vocational teachers.	UG	IN	Internship
							Refinement of curriculum			
							development, motivation,			Lecture/La
			Wrkforce		Vocationa		leadership, and human relations			b
			Follow-Up		I		skills required by employed			Combinatio
Fall 2007	VOE475	475	Wrkshp	VOE	Education	4	workforce education teachers.	UG	LL	n

					Vocationa I	Addresses special problem areas associated with motivating students, classroom management, discipline, handicapped and disadvantaged students, teacher liability, teaching and learning principles, instructional strategies, evaluation, advisory committees, curriculum, lesson planning,			Independe
Fall 2007	VOE476	476	Clinical Project	VOE	Education	3 and/or safety.	UG	IS	nt Study
Fall 2007	VOE601	601	Bus & Mkt Ed Practicum	VOE	Vocationa I Education	Selected and supervised work 1 experience in an office. Designed to present the	GR	IN	Internship
			Org/Oper		Vocationa I	fundamentals of establishing and operating a cooperative program following state and federal guidelines for at-risk, work/study			
Fall 2007	VOE611	611	Coop Program Hist/Phil Voc	VOE	Vocationa I	3 students. Course provides historical and philosophical antecedents to present day workforce education including vocational and technical education. It examines social influences which have affected legislation which supports vocational and technical	GR	LE	Lecture
Fall 2007	VOE618	618	Educ	VOE	Education	4 education.	GR	LE	Lecture

						Provides students with an overview of teaching workforce			
						education. Workforce education philosophy, workforce education			
						instructional organization, lesson			
						planning, integrated academics,			
						and workforce			
					Vocationa	classroom/laboratory planning			
			Teach Wkfc		I	will be presented or			
Fall 2007	VOE650	650	Ed Programs	VOE	Education	3 implementation in classroom	GR	LE	Lecture
						Since many of the secondary			
						vocational students are			
						considered at risk, teachers must			
						know and employ the most			
						effective methods and strategies			
						to enhance student achievement.			
						It is imperative that workforce			
						education teachers be able to			
						identify, define, and practice			
						intervention techniques.			
					Vocationa	Alternative methods to teach			
			At Risk		I	basic academic skills will be			
Fall 2007	VOE664	664	Students	VOE	Education	3 explored.	GR	LE	Lecture
						Effective coordination strategies			
						and procedures in the			
					.,	administration and management			
			On and Table la		Vocationa	of cooperative programs in high			
F-II 2007	VOE / / 0	//0	Coord Tech in	VOE		schools and in adult and	CD		Lastina
Fall 2007	VOE669	669	Wkfc Ed	VOE	Education	3 postsecondary education.	GR	LE	Lecture Lecture/La
					Vocationa				b
			Workshop Voc		ı	Intensive practical study in			Combinatio
Fall 2007	VOE670	670	Ed	VOE	Education	1 vocational education.	GR	LL	n

						An overview of the instructional	
						programs in workforce education	
						and their administration at the	
						national, state, and local levels.	
						Current legislation, School-to-	
						Work initiatives, Tech-Prep, and	
			Survey		Vocationa	trends affecting workforce	
			Workforce		I	education programs are	
Fall 2007	VOE706	706	Educ	VOE	Education	3 addressed and explored. GR LE Le	ecture
						Designed to assist counselors,	-
						teachers, and administrators in	
					Vocationa	implementing an effective Career	
			Educ and		I	Guidance Program within their	
Fall 2007	VOE723	723	Workplace	VOE	Education	4 respective schools. GR LE Le	ecture
						Externship program designed to	
						be an action-oriented	
						collaboration with business and	
						industry to establish networks to	
						advance counselor and school-to-	
						work, vocational, tech-prep, and	
					Vocationa	academic teacher learning and	
			Bus/Ind		I	professional development in the	
Fall 2007	VOE724	724	Linkages	VOE	Education	· ·	nternship
						In-depth study of the principles,	
			Admin/Sup		Vocationa	theories, and practices in the	
			Workforce		Ī	supervision of vocational	
Fall 2007	VOE725	725	Educ	VOE	Education	1 3	ecture
						Information about adult learners	
						in terms of development,	
						learning capabilities, and	
						learning needs is presented.	
					Vocationa	Students will take part in	
			Work with		I	planning and implementing a	
Fall 2007	VOE727	727	Adult Learners	VOE	Education	4 marketing effort for adult GR LE Le	ecture

							Instructional techniques effective			
							with adults are presented to help			
							the student manage the adult			
							instructional process. Evaluating			
					Vocationa		the adult learners' progress in			
			Instruct/Evalu		I		meeting specified objectives is			
Fall 2007	VOE729	729	ate Adult	VOE	Education	4	covered.	GR	LE	Lecture
							Comprehensive study of			
							curriculum designs including			
							occupational task analysis,			
							innovations, sequential			
							structuring, preparation and			
					Vocationa		development of teaching units,			
			Curr Develop		I		evaluation, and change in the			
Fall 2007	VOE824	824	Wrkforce Ed	VOE	Education	3	workforce education programs.	GR	LE	Lecture
							Introduces historical and			
							contemporary feminist thought			
							and explores the importance of			
							gender as a category of analysis			
			Women's		Women's		to understand social, cultural,			
Fall 2007	WMS200	200	Studies	WMS	Studies	4	political, and economic forces.	UG	LE	Lecture
	WMS200		Writing in		Women's		Required writing component for			
Fall 2007	W	200W	WMS 200	WMS	Studies	0	WMS 200.	UG	LB	Lab
							Courses will survey special topics			
							in gender history. Topics may			
							include masculinity, femininity,			
							sexuality, family, and women's			
			Women				history. Focus may be on one			
			Multicultural		Women's		nation, region, or a comparative			
Fall 2007	WMS300	300	Persp	WMS	Studies	4	perspective.	UG	LE	Lecture
	WMS300		Writing in		Women's		Required writing component for			
Fall 2007	W	300W	WMS 300	WMS	Studies	0	WMS 300.	UG	LB	Lab

						Problems, approaches, and			
						topics in the field of women's			
						studies. Titles vary. Topics vary.			
						May be taken for letter grade or			
						pass/unsatisfactory. Prerequisite:			
			St in Selected		Women's	WMS 200 or permission of			
Fall 2007	WMS399	399	Subjects	WMS	Studies	·	UG	LE	Lecture
1 411 2007	WMS399	377	Writing in	VVIVIO	Women's	Tilistractor.	00	LL	Lecture
Fall 2007	W	399W	WMS 399	WMS	Studies	0	UG	LB	Lab
1 411 2007	VV	37700	WIVIS 377	VVIVIO	Studies	Course will allow intensive	00	LD	Lab
						analysis of subjects in gender			
						history. Topics may include			
						masculinity, femininity, sexuality,			
						family, and women's history.			
			Women			Focus may be on one nation,			
			International		Women's	region, or a comparative			
Fall 2007	WMS400	400	Persp	WMS	Studies		UG	LE	Lecture
1 411 2007	WMS400	400	Writing in	VVIVIO	Women's	+ perspective.	00		Lecture
Fall 2007	W	400W	WMS 400	WMS	Studies	0	UG	LB	Lab
					010.0.00	An exploration of feminist			
						interpretations and critiques of			
						Western political theory. An			
						examination of the development			
			Feminist		Women's	of contemporary feminist political			
Fall 2007	WMS450	450	Thought	WMS	Studies	. ,	UG	LE	Lecture
	WMS450		Writing in		Women's	J			
Fall 2007	W	450W	WMS 450	WMS	Studies	0	UG	LB	Lab
						Supervised individual projects			
						that may involve internships with			
						women's organizations or other			
						field experiences. Titles vary.			
						May be taken for letter grade or			
						pass/unsatisfactory. Prerequisite:			
			Ind Field		Women's	WMS 200 or permission of			
Fall 2007	WMS498	498	Experience	WMS	Studies	1 instructor.	UG	IN	Internship

							Supervised individual research			
							on selected topics. Arranged			
							between students and faculty			
							member directing the study.			
							Titles vary. May be taken for			
							letter grade or			
							pass/unsatisfactory. Prerequisite:			
			Independent		Women's		WMS 200 or permission of			Independe
Fall 2007	WMS499	499	Study	WMS	Studies	1	instructor.	UG	IS	nt Study
							Problems, approaches and topics			
			St in Selected		Women's		in the field of women's studies.			
Fall 2007	WMS599	599	Subjects	WMS	Studies	4	Topics vary.	GR	LE	Lecture
							An examination of the			
							development of contemporary			
			Feminist		Women's		feminist thought and critique of			
Fall 2007	WMS650	650	Thought	WMS	Studies	4	Western gender theory.	GR	LE	Lecture
							Supervised individual research			
							on selected topics. Arranged			
			Independent		Women's		between students and faculty			Independe
Fall 2007	WMS699	699	Study	WMS	Studies	1	member directing the study.	GR	IS	nt Study
			Student							
			Initiated		Women's					
Fall 2007	WOH600	600	Elective	WOH	Health	2		MD	LE	Lecture
			Intro to							
			Obstetrics/Gyn		Women's					
Fall 2007	WOH601	601	ecology	WOH	Health	2		MD	CL	Clinical
			Women's							
			Health		Women's					
Fall 2007	WOH700	700	Clerkship	WOH	Health	16		MD	CL	Clinical
			Student-							
			Initiated		Women's					
Fall 2007	WOH800	800	Elective	WOH	Health	4		MD	CL	Clinical
					Women's					
Fall 2007	WOH801	801	JI Gynecology	WOH	Health	8		MD	CL	Clinical
					Women's					
Fall 2007	WOH802	802	Gynecology	WOH	Health	8		MD	CL	Clinical

			Repro							
			Endocrin/Infer		Women's					
Fall 2007	WOH803	803	tility	WOH	Health	{	3	MD	CL	Clinical
			Gynecologic		Women's					
Fall 2007	WOH804	804	Oncology	WOH	Health	{	3	MD	CL	Clinical
					Women's					
Fall 2007	WOH806	806	JI Obstetrics	WOH	Health	{	3	MD	CL	Clinical
			Maternal/Fetal		Women's					
Fall 2007	WOH807	807	Medicine	WOH	Health	{	3	MD	CL	Clinical
			Mgmt, L&D		Women's					
Fall 2007	WOH812	812	GYN Surgery	WOH	Health	{	3	MD	CL	Clinical
			International							
			Women's		Women's					
Fall 2007	WOH813	813	Health	WOH	Health	{	3	MD	CL	Clinical
					Women's					
Fall 2007	WOH900	900	Extramural	WOH	Health	4	1	MD	Н	Hospital