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Rollins College Winter Term 1982

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1982
WINTER TERM
at
ROLLINS COLLEGE

■ FIVE WEEKS OF
INTENSIVE STUDY INTO
TOPICS FAMILIAR AND
STRANGE. A PERSONAL OR
COLLEGIAL STUDY EXPERI-
ENCE SPECIAL TO ROLLINS
COLLEGE. CREATED IN
CONCERT BY STUDENTS
AND FACULTY FOR THE
STIMULATION OF THE
CURIOUS MIND. A SPECIAL
ACADEMIC EXPERIENCE ■

January 4 — February 3
1982

Winter Park, Florida

WINTER TERM CALENDAR

Monday, November 9	Deadline to submit winter and spring term independent study proposals (internships, tutorials, and research projects) to faculty sponsor for departmental approval.
Wednesday, November 4- Friday, November 13	Preregistration for winter and spring terms.
Friday, November 13	Preregistration forms due in Office of the Registrar by 4:00 p.m. Departments submit approved independent studies to Registrar.
Tuesday, December 1	Students receive preregistration schedules for winter and spring term courses.
Saturday, December 5	Registration for winter and spring terms in the Field House.
Monday, January 4	Winter term classes begin.
Monday, January 11	Last date to notify Registrar of intent to take winter term courses Credit/No Credit, or to drop one with a WP.
Wednesday, February 3	Winter term classes end.

GENERAL INFORMATION

INTRODUCTION

Winter term is designed to provide a different type of learning experience than the fall and spring terms. With concentration on one subject, you will have more opportunity to work "on your own," and to explore areas of learning which do not fit into the longer terms. During this period, you may stay on campus and take a course, or an independent study, or choose to work off-campus in an off-campus group study or an individual off-campus project. Regardless of the nature of the study, each student is expected to devote a minimum of 40 hours per week to his or her academic work. No student may register for more than one course or independent study project during the winter term. It is hoped that you will take full advantage of the winter term as an opportunity to explore a field in depth.

GENERAL EDUCATION REQUIREMENTS

Courses which satisfy the general education requirements for students who entered the college fall term 1978 or after are designated by the appropriate area symbols within the course listings and course descriptions. The only general education requirements that can be satisfied during the winter term are Composition Reinforcement, designated by the symbol "R"; Quantitative Reasoning, designated by the symbol "Q"; Knowledge of Other Cultures, designated by the symbol "C"; and The Natural World, designated by the symbol "N".

REGISTRATION PROCEDURE

We will conduct a combined winter and spring preregistration from November 4 through November 13, with the final registration for both winter and spring in the Field House on Saturday, December 5.

Independent Study

For purposes of clarity and evaluation, independent studies are classified into tutorials, research projects and internships. Other independent studies which by their nature are not covered by these categories may be submitted for appropriate consideration also. The different categories do not by definition imply any one learning/teaching model.

A. Tutorial. Working under the close supervision of a faculty member, students read primary and secondary material and/or work in a laboratory or studio setting. The evaluation usually focuses upon a paper or an examination or both. A tutorial **cannot** normally duplicate a course that is regularly offered. The student must meet with the instructor a minimum of one hour per week (three hours per week in a winter term). Normally, sophomore status is required.

B. Research Project. To qualify, a student already must have acquired the knowledge and skills necessary to do the research. This implies that the research is in the major or a closely allied field and that the student has achieved junior or senior status. Such projects usually involve original laboratory/studio work or research with primary materials.

C. Internship. To qualify, a student must have completed whatever course background is deemed necessary for the internship. A contract must be drawn up by the instructor, the student and the sponsoring organization, and should include 10-15 hours of student work per week with the organization (30-40 hours per week in the winter term), and a strong academic component. The means of evaluation of the intern should be stated in the contract and typically involve both the instructor and the sponsoring organization. At least sophomore status is required.

Students planning to do an Independent Study (tutorial, internship or research project) should pick up an Independent Study Proposal form from the Registrar's Office, complete it and submit it by November 9th for departmental approval. The completed forms for winter term independent studies must be approved by the faculty sponsor's department and forwarded to the Registrar's Office by Friday, November 13. Students who have applied for an independent study for winter term should list the independent study as their first choice with five alternate on-campus courses.

Students who wish to register for an on-campus course should see their adviser between November 4 and 13, and select six winter term courses in order of priority. Courses which require consent must be signed by the instructor in the appropriate place on the Course Request Form. Students will also select their spring term courses during this period. All of these forms will be submitted to the Registrar's Office by the adviser by 4:00 p.m., November 13. Course selection forms which have not been completed in time for the adviser to meet this deadline will be processed after all other forms are processed. Students will receive status reports for their winter and spring courses by December 1.

Final registration for winter and spring terms will be held in the Field House on December 5. Students will receive a listing of newly opened sections and notifications of any alterations to their original schedule. They may then drop and/or add classes for winter and spring terms.

WINTER TERM GRADING

Off-Campus Group Studies and Individual Off-Campus Projects are on a Credit/No Credit basis; however, if both the student and the instructor agree, the study may be taken for a letter grade. In this case, the instructor simply forwards the letter grade to the Registrar at the end of the term without prior notification.

A winter term course taken on a Credit/No Credit basis is not counted toward the four such courses which may be taken in the fall or spring terms; however, it must be an elective.

WINTER TERM ON-CAMPUS COURSES

ANTHROPOLOGY/SOCIOLOGY

		PREREQUISITE	INSTRUCTOR
AS 192	Archaeological Field Methods		Stewart
AS 296	Nazi Germany and the Holocaust	Consent	Weiss
AS 310	The Sociology of the Occult: An Analysis of the Works of Carlos Castañeda		Glennon
AS 389	Social Functions of Alcohol: A Cross-Cultural Approach (V)	Consent	Jones
AS 393	Human Ethology	Consent	Lauer

ART

A 192	Quilts-History, Design and Practical Application		Hallam
A 195	The World of Alexander the Great and Its Aftermath		Woods
A 197	The American Dream and Its Manifestation in the Arts of the U.S.		Lemon
A 249	Art, Technology and Theater		Amlund
A 292	Raku		Larned

BIOLOGY

B 293	The World Food Situation: Problems and Solutions (V)		Gregory
B 351	Population Biology	Proficiency in Algebra & Calculus	Coleman
B 391	Vertebrate Histology and Microtechnique	Consent and one year of B 209-210 Small or B 105-106	Small

CHEMISTRY

C 219	Chemical Synthesis and Analysis	Consent	Eng-Wilmot
C 293	Thermodynamics	M112, C121, P202	Ranjbar
C 380	Instrumental Analysis	Consent and C 211, P202	Blossey

COMPUTER SCIENCE

CS 150	Introduction to Computing (Q)		G. Child
CS 150	Introduction to Computing (Q)		Bowers
CS 160	Introduction to Computing in FORTRAN (Q)	Consent and CS 150	Griffin
CS 298	Interactive Computer Graphics Project	CS 260	D. Child

SCHOOL OF EDUCATION & HUMAN DEVELOPMENT

E-ED 289	Peculiar Institutions		Reddick/ O'Sullivan
ED 291	Directed Observation and Field Experience	Consent and ED major	Hayes
ED 292	Directed Observation and Field Experience: Special Education	Consent	Kahn

ECONOMICS AND BUSINESS ADMINISTRATION

EC 121	Economics of Contemporary Issues		Hales
EC 202	Personal Economics	(V) M109 or above No EC or BA majors	Taylor
EC 291	European Economic History	Soph or higher	Castorina
EC 308	Investments		Evans
EC 398	Economics of Deregulation	EC 212	Hill
EC 421	Econometrics	EC221,211,212, M110, or BA301 Sr. status	Hepburn
EC 492	Ethics from a Managerial Perspective	Consent and Sr. EC or BA major	Calderone
EC 489	Modern Monetary Theory	EC 304	Prag
EC 491	Real Estate Investment and Taxation	Consent and BA 438	Meadows
BA 392	Accounting for Non-Business Majors	Soph or higher	McCall
BA 397	Accounting and Society		West
M 196	Linear Programming		Naleway

ENGINEERING (These courses will be offered at Washington Univ. in St. Louis)

Introduction to Chemical Engineering
 Engineering Applied to Biomedical Problems
 Engineering Mechanics I
 Introduction to Systems Science and Mathematics I

ENGLISH

E 196	The Japanese Haiku and Its Cultural Context		Hudson
E 197	Masterpieces		Kistler
E 249	The Comic Mode in Australian Literature		MacLeod
E 288	The Byronic Hero: From Cain to Heathcliff		Starling
E-ED 289	Peculiar Institutions		Reddick/O'Sullivan
E 292	The Grotesque in Literature		Pastore
E 389	Superman/Wonderwoman: Visions of Human Potential		Nordstrom
E 392	Advanced Expository Writing on Environmental Issues		Phelan
E 397	The Family in American Literature: The Tie That Binds	Consent	B. Carson

ENVIRONMENTAL STUDIES

ES 391	Principles and Practice of Urban Planning	ES 189 or one Urban studies course	Sellen
E 392	Advanced Expository Writing on Environmental Issues		Phelan

FOREIGN LANGUAGES

FR 490	French Caribbean Authors: Literary Perspectives on Colonialism	FR major Consent	Lima Maurino
IT 390	Dante and Medieval Culture		
PT 191	"Moral and Amorous Tales": Brazilian Prose in Translation		Kerr
SH 295	The Spanish Players	SH201 and consent	Borsoi
SH 392	The Spanish Business World	Consent and SH202	Lopez-Criado

HISTORY

H 188	Living and Learning in an Academic Community		Lane
H 191	Hitler: A Study in Tyranny		Levis
H 291	Abraham Lincoln and Republicanism	Consent	Williams
H 391	Women and Work: The Professions	Consent	Fastenau
H 394	The Russian Revolution	Consent	Edmondson

LIBRARY

L 101	Library Research		Bloodworth/ Anderson
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MATHEMATICS

M 196	Linear Programming		Naleway
M 211	Calculus III	Consent and M 112	Skidmore

MUSIC

MU 196	Music for Beginners or "They Laughed When I Sat Down To Play"	Consent and no previous musical exp.	Gallo/Lackman
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PHILOSOPHY AND RELIGION

PH 196	Human Potentials: Theory and Experience	Consent	Edge
R 293	God and the New World: Interdisciplinary Studies in the Meaning of the American Experience		Bauer-Yocum
R 295	The Thought and Work of Ralph Adams Cram		Wettstein
PH 392	The Philosophy of Karl Marx	PH course or PO120 or EC-H 342 or Jr status in one of the Social Science majors PH223 or M111	Ketchum
PH 393	Intermediate Logic (Q)		Wavell
R 195	Readings in Western Religion		Darrah

PHYSICS

P 193	Stellar Astronomy	(N)		Ross
P 248	Digital Electronics and Microcomputers	(N)	Consent and knowledge of the BASIC language	R. Carson
P 291	Scientific Glass Blowing		Consent, SC students preferred	Mulson

POLITICAL SCIENCE

PO 294	The Democratic Ideal: Democracy and Its Critics in Western Political Thought	Consent	Greyson
PO 295	Problems of the U.S. in Latin America		Valdes
PO 393	The Vietnam War	Consent, PO130	Lairson

PSYCHOLOGY

PY 190	Stress Management		Farkash
PY 365L	Psychophysiology Laboratory	PY 365	Upson
PY 392	Precise Behavior Management: Applications to Weight Control	Consent, PY101	Ruiz
PY 490	Psychology and Health	Jr. or Sr. PY major	Wong
PY 491	General Systems Theory in Psycho- logy	Consent, PY major	Ray

SCIENCE

SC 110	Chemistry and the Environment	(N)	Ramsey
SC 192	Nutrition	(N)	Trumbull

THEATER ARTS AND SPEECH

TA 159/ 259/359	Theater Practice		Malick
TA 191	Ballet I	Consent, Intro to Ballet	Mesavage
TA 295	Developing and Performing the One Character Play		Wronski
SP 290	Communication in the Classroom		Veilleux

COURSE DESCRIPTIONS

Winter Term 1982

ANTHROPOLOGY-SOCIOLOGY

ARCHAEOLOGICAL FIELD METHODS
Dr. Marilyn Stewart

AS 192
Office: Knowles 298A

Course Description: An experience in archaeological field work involving actual excavation and/or survey of sites in Central Florida. The ecological relationships of Central Florida Indians of the past will be examined in order to better understand humankind as part of the natural system. Students will gain an appreciation of archaeology and what is involved in studying past ways of life.

Means of Evaluation: Evaluation will be based on one exam, a field log, a term paper, and performance in the field and in the laboratory.

Class Meetings: Class will meet four days per week in the field 9:00 - 4:00 and one day per week in the laboratory 9:00 - 1:00.

First Class Meeting: 9:00 Monday in Knowles B2

NAZI GERMANY AND THE HOLOCAUST
Dr. John Weiss

AS 296
Office: Knowles Hall

Course Description: In the early stages of World War II, the decision was made by the leadership in Nazi Germany to begin the "final solution to the Jewish problem." This eventually led to the mass murder of almost six million Jews and six million non-Jews in the concentration camps of Nazi-held Europe. This decision to liquidate the Jews and other enemies of the Nazi state was the culmination of a long series of actions taken during the decade of the 1930s to begin the isolation, forced movement, and concentration of the Jews living in Germany.

This course focuses on Nazi racial ideology, the governmental decrees which were part of the legal process, and on other considerations that entered into the thinking of the Nazi leadership. We will examine from a sociological perspective those elements of Nazi society and ideology which were part of the process leading to mass murder in the concentration camps. This course also looks at life in the concentration camps themselves, and at a wide range of Jewish responses to the treatment they received. Questions of moral and ethical dilemmas confronting not only Jews but also all German citizens are included. A basic background on the rise of the Nazi party is included, as is the question of the lessons to be learned from this historical experience with totalitarianism. The power of the state over individual responsibility for action in any society is examined in detail.

Prerequisites: Instructor's consent.

Means for Evaluation: Class participation based upon reading 10-12 required books, oral reports and oral exams. Numerous TV tapes, films and other visual matter will also be presented.

Class Meetings: Class will meet four days a week, MTWTH 10:00 - 12:00, plus four hours per week of TV tape and film.

First Class Meeting: 10:00 Monday in Knowles 111

THE SOCIOLOGY OF THE OCCULT: AN ANALYSIS OF THE WORKS OF CARLOS CASTAÑEDA
AS 310

Dr. Lynda M. Glennon

Office: Knowles 203

Course Description: An examination of the realm of the occult (magic, sorcery, spiritualism, etc.) using sociology of knowledge insights. The major focus will be on the six works of Carlos Castañeda and on the social scientific commentaries which have addressed his work.

Means for Evaluation: Oral reports on readings and on field trip notes; a mid-term and a final examination.

Class Meetings: Classes will meet from 10:00 - 1:00 Monday through Thursday. Field trips to such places as Cassadaga and guest speakers will be scheduled all day Friday.

First Class Meeting: 10:00 Monday in Knowles 113

SOCIAL FUNCTIONS OF ALCOHOL: A CROSS-CULTURAL APPROACH (V) AS 389

Dr. Arthur Jones

Office: Knowles 214

Course Description: Social Behavior under the influence of alcohol varies widely from culture to culture. Interpretations of drinking patterns and associated behaviors long employed in our culture are often less than useful to explain alcohol related behavior in other cultures. A cross-cultural model will be developed and used in class meetings to organize readings and to interpret ethnographic research in which the class will be involved. The reading load for the course will be heavy, but interesting. Attendance and full participation by all students is required.

Prerequisites: Instructor's consent.

Means for Evaluation: Course grade will be based on a final examination; a presented paper to the class, revised and submitted to the instructor at the end of the term; and participation.

Class Meetings: Classes will meet Monday, Tuesday and Thursday 2:00 - 5:00. Students are also required to spend up to 10 hours per week in ethnographical research in a variety of settings.

First Class Meeting: 2:00 Monday in Knowles 208

HUMAN ETHOLOGY

Dr. Carol Lauer

AS 393

Office: Knowles 207

Course Description: This course uses animal behavior studies as a basis for understanding human behavior. Comparative data will be presented on the social behavior of monkeys and apes and other selected mammals to demonstrate the similarities between the evolution and organization of their societies and of human societies. Students will learn about the methodologies used by ethologists and apply these to a group of human subjects. In keeping with the style of ethology, emphasis will be placed on analyzing patterns of nonverbal communication.

Prerequisites: Instructor's consent.

Means for Evaluation: Midterm and a cumulative final; and a research paper on the behavior of a mammalian species. Students also will keep diary style notes from their field project, and write an analysis and conclusion drawn from these notes.

Class Meetings: Classes will meet 1:00 - 3:00 on Mondays through Thursdays and all day on Fridays for field trips.

First Class Meeting: 1:00 Monday in Knowles 207

ART

QUILTS-HISTORY, DESIGN AND PRACTICAL APPLICATION A 192
Ms. Hallie Hallam Office: Cornell 105

Course Description: Patchwork and applique quilts are American contributions to art. In this course the history of the quilt will be explored and design motifs will be examined through the use of slides and actual demonstrations. Many of these designs show remarkable similarity to contemporary paintings and comparisons of the compositions will be made. Students will be asked to work out a series of their own patchwork/applique designs on paper and will be expected to complete several actual quilted squares in traditional patchwork and original applique designs. (Some previous sewing experience would be beneficial.)

Means for Evaluation: Evaluation will be based on outside assignments, class and conference discussions, and squares completed.

Class Meetings: Class will meet Monday through Thursday afternoons, with sessions lasting from one to two hours.

First Class Meeting: 2:00 Monday in Cornell 107

THE WORLD OF ALEXANDER THE GREAT AND ITS AFTERMATH A 195
Dr. Daniel E. Woods Office:

Course Description: A study of the first appearance of the "one world" vision in the History of the Mediterranean and Near East. The first occurrence in the history of art of the third element (style) "baroque" following the "archaic" style of the 8th-6th centuries B.C. and the "classical" of the 5th-4th century B.C. A triad which happens only in Western Art and occurs again and again. A study of the "Hellenistic" and Roman worlds revealed by a study of their architecture, sculpture, painting, pottery and coins. The Etruscan, Greek and Italic background of Roman Art. Changing concepts in the ancient world from the death of Alexander in 323 B.C. to the Age of Constantine and Teodosius in the 4th century A.D. The awareness of the historical, philosophical, spiritual process as the Greek World becomes Roman and the Roman world becomes Christian. Each lecture will be illustrated by slides. A study of meaning, value and quality in the visual arts.

Means for Evaluation: An oral report of individual research, a properly researched term paper with foot notes and bibliography, a final slide examination.

Class Meetings: Two hour slide lecture and discussion, three times weekly, MWF 9:00 - 11:00

First Class Meeting: 9:00 Monday in Cornell 116

THE AMERICAN DREAM AND ITS MANIFESTATION IN THE ARTS OF THE U.S. A 197
Dr. Robert Lemon Office: Cornell 103

Course Description: The course will begin with the study of the people of the United States from the standpoint of a British cultural anthropologist. A brief survey will be made of pragmatism, transcendentalism, and funk. Then a tentative definition of the American Dream will be formulated.

A subsequent investigation as to the fulfillment of, or disillusionment with the dream will be sought in American literature, music, visual art and architecture. There will be an intentional absence of

historical orientation in the study of these arts. Sources for study will not be exclusively fine arts, but will also include some folk and vernacular arts.

Means for Evaluation: Grades will be based on evaluations of research projects both oral and written; furthermore, there will be two quizzes and a final examination.

Class Meetings: Classes will meet 9:00 - 12:00 MTWTH

First Class Meeting: 9:00 Monday in Cornell 113

RAKU

A 292

Mr. Ronald Larned

Office: Cornell 101A

Course Description: This course will cover both the historical background and contemporary uses of Raku. Course study will include Handbuilt forms, wheel-thrown forms, clay formulation, glaze types and application, and firing techniques. This course will offer the opportunity for students who normally would not have a chance to become involved in the creative arts to do so. Out of this direct involvement will come an increased awareness and appreciation of the visual arts.

Means for Evaluation: Evaluation will be based upon material covered in class and the outside readings, mid-term and final exams; grades received on projects, notebooks on ceramic design, and glaze test results.

Class Meetings: Classes will meet four days a week for three hours each morning as a group and students will work individually each afternoon for three hours a day.

First Class Meeting: 9:00 Monday in Cornell 101

ART, TECHNOLOGY AND THEATER

A 249

Mr. Dale Amlund

Office: Annie Russell Theater

Course Description: A studio and critical experience in design emphasizing illumination. Students will be asked to undertake projects in lighting design, in "packaging the egg," and in two and three dimensional design. The class will analyze the role of illumination in the works of such painters as Vermeer, Rembrandt and Turner. Several short trips to galleries and special facilities (Laser World) will be included.

Means for Evaluation: Aesthetic evaluation of assigned projects.

Class Meetings: Classes will meet on Monday, Tuesday, Thursday and Friday from 10:00 - 12:00. Special events will be scheduled on some afternoons and evenings.

First Class Meeting: 10:00 Monday in Cornell 112

Course Description: Discussions will focus on the current world food situation. Students will identify problem areas, and attempt to discover the cause of these problems. Through these discussions basic concepts of human nutrition will also be covered. The student will then have to integrate this scientific knowledge with social, political, and economic factors, and develop possible solutions to the world food crisis. This class cannot be used to fulfill the Natural World (N) requirement nor as an elective for a Biology major or minor.

Means for Evaluation: Evaluation will be based on attendance, participation in discussions, weekly exams, and a term paper.

Class Meetings: Classes will meet 9:00 - 11:00 Monday thru Friday and 2:00 - 4:00 on Tuesday also.

First Class Meeting: 9:00 Monday in Crummer B17

POPULATION BIOLOGY B 351
Dr. Persis C. Coleman Office: Bush 220

Course Description: A quantitative analysis of evolutionary biology. The major disciplines of investigation are population ecology and genetics. In addition, time is allocated for a supplementary presentation on methods of analysis of biological data. Problem-solving, data analysis, and a seminar-format review of current literature com-

plement the lecture/discussion periods.

A student successfully completing this course will have developed analytical skills and gained a knowledge of population biology both as a discipline and as an active field of investigation. This class cannot be used to fulfill the Natural World (N) requirement.

Prerequisites: Proficiency in algebra and an exposure to calculus.

Means for Evaluation: Participation in seminars and performance on homework assignments and exams are the means of evaluation.

Class Meetings: Classes will meet 10:00 - 12:00 Monday thru Thursday.

First Class Meeting: 10:00 Monday in Bush 207

VERTEBRATE HISTOLOGY AND MICROTECHNIQUE

B 391

Dr. James W. Small, Jr.

Office: Bush 209

Course Description: An introduction to the structure and function of vertebrate tissues and cells. The course includes lecture-discussion, microscopic examination of selected tissues, and the preparation of microscope slides.

Prerequisites: Instructor's consent and one year of General Biology B 209 - 210 or B 105 - 106

Means for Evaluation: A midterm and final exam will be given. Each exam includes a written and practical portion. In addition, each student will prepare microscope slides of selective tissues and give an oral presentation on them.

Class Meetings: Classes will meet 9:30 - 12:00 MTTHF

First Class Meeting: 9:30 Monday in Bush 204

CHEMISTRY

CHEMICAL SYNTHESIS AND ANALYSIS

Dr. Larry Eng-Wilmot

C 219

Office: Bush 314

Course Description: The limits of modern inorganic chemistry are becoming ill-defined; they may range from the foundations of physical and organic chemistry to the edges of theoretical physics and molecular biology. This course, designed for the beginning student of chemistry, offers a unique lecture-laboratory experience for the development of a working understanding of the principles governing the synthesis, reactivity and structure analysis of "inorganic" molecules. Lecture-study will include thermodynamic and kinetic treatments of chemical equilibria, reaction kinetics and mechanisms, modern bonding theories and chemical and spectroscopic methods of analysis. The laboratory will emphasize skills and techniques in the synthesis, structure characterization and analysis of a number of interesting inorganic coordination compounds.

Prerequisites: Instructor's consent.

Means for Evaluation: Hour Exams (2); Final Exam, Weekly quizzes, Laboratory reports and performance.

Class Meetings: Classes will meet 9:00 - 11:00 Monday, Wednesday, and Friday. Laboratories will meet 9:00 - 12:00 and 2:00 - 5:00 Tuesday and Thursday.

First Class Meeting: 9:00 Monday in Bush 303

THERMODYNAMICS

Dr. Farhad Ranjbar

C 293

Office: Bush 317

Course Description: Treatment of the first and the second laws of thermodynamics with applications to steady-state flow, thermochemistry, phase equilibrium, steam power plant, refrigeration, and problems of material and energy balance. The course is designed for students of the physical sciences and engineering.

Prerequisites: M 112, C 121, P 202

Means for Evaluation: In addition to two one-hour examinations, the student is expected to present a seminar on a relevant topic (application of the second law to heat pumps, solar heating, etc.) The topic should be chosen no later than the second week of class. At that time the student should present the names of at least two references and a detailed outline of his/her presentation.

Class Meetings: Classes will meet 12 hours a week for class, 8 hours of laboratory, 6 hours of seminar and 10 hours of computer simulation per week.

First Class Meeting: 9:00 Monday in Bush 222

INSTRUMENTAL ANALYSIS

Dr. Erich Blosssey

C 380

Office: Bush 313

Course Description: Introduction to measurements of physical-chemical properties of chemical compounds and reactions in the laboratory. Emphasis will be on the use and principles of electronics as applied to modern instrumentation.

Prerequisites: Instructor's consent and C 211 and P 202

Means for Evaluation: Laboratory assignments with written reports, tests, final exam.

Class Meetings: 9:00 - 11:00 Monday - Friday

First Class Meeting: 9:00 Monday in Bush 308

COMPUTER SCIENCE

INTRODUCTION TO COMPUTING (Q) CS 150
Dr. Gloria Child Office: Bush 330

Course Description: An introduction to computer solutions of problems in non-science fields. Course topics include a thorough discussion of a computer language (BASIC), simple logic in writing programs, and the capabilities of computers including word processing.

Means for Evaluation: Tests, quizzes, writing computer programs and a final examination.

Class Meetings: 9:00 - 11:30 Monday, Tuesday, Thursday and Friday

First Class Meeting: 9:00 Monday in Bush 328

INTRODUCTION TO COMPUTING (Q) CS 150
Dr. John Bowers Office: Bush 329C

Course Description: This course is an introduction to computer programming. We will employ the BASIC language and the screen editor on the Rollins academic computing system to solve a variety of problems. Some storage of data in disk files will be included in the course.

Means for Evaluation: Many (10-12) computer exercises, some short and some longer; a few (2-3) hour tests; a final examination.

Class Meetings: Classes will meet 9:00 - 11:00 Monday - Friday for lecture-discussion sessions.

First Class Meeting: 9:00 Monday in Bush 325

INTRODUCTION TO COMPUTING IN FORTRAN (Q) CS 160
Dr. Donald Griffin Office: Bush 125

Course Description: An introduction to computer solutions of problems in science and mathematics. The course is intended to give the student a thorough introduction to a high-level computer language (FORTRAN), simple logic in writing computer programs, and the capabilities of the computer as a problem-solving tool.

Prerequisites: ~~CS 150~~ Instructor's consent.

Means for Evaluation: Three or four tests, four or five short computer assignments, and a major computer project.

Class Meetings: Classes will meet 9:00 - 11:30 Monday - Friday for the first two weeks. During the last two weeks there will be no regularly scheduled classes. Instead, each student will work on a major computer project.

First Class Meeting: 9:00 Monday in Bush 114

INTERACTIVE COMPUTER GRAPHICS PROJECT

CS 298

Dr. J. Douglas Child

Office: Bush 329B

Course Description: This is a project oriented computer science course which is used to reinforce the Pascal Language constructs learned in CS 260. The topic for this Winter Term is an interactive computer graphics data base.

Prerequisite : CS 260

Means for Evaluation: Students will be evaluated solely on the quality and quantity of the programs they write as parts of the whole project.

Class Meetings: Classes will meet 9:00 - 11:00 Monday, Tuesday, Thursday, and Friday for the first two weeks and when appropriate thereafter.

First Class Meeting: 9:00 Monday in Bush 326

SCHOOL OF EDUCATION AND HUMAN DEVELOPMENT

DIRECTED OBSERVATION AND FIELD EXPERIENCE
Dr. Malinda L. Hayes

ED 291

Office: Park Ave. Bldg. Room #9

Course Description: This is an opportunity for students interested in teaching to gain an insight into the education process as it exists in the schools. The course consists of two components: (1) Directed observation and field experience, which requires the student to spend four hours daily in an assigned school; (2) Development and practice of specific skills in the following areas: Communication Skills, Analyzing Classroom Verbal Interaction, Classroom Management, Analyzing Classroom Leadership Styles, Writing Behavioral Objectives, Developing Lesson Plans. An additional 4 hours per week beyond the field experience time is required. The course is open to freshman, sophomores, and juniors.

Prerequisites: Instructor's consent; must be an Education major

Means of Evaluation: Daily log; Preparation of lesson plans; Analysis of a lesson presented; Attendance and Participation in Field Assigned School; Attendance and Participation in Class Activities; Demonstration of Competency in Skills.

Class Meetings: As assigned.

First Class Meeting: 9:00 Monday in Park Ave. Bldg. Room #6.

DIRECTED OBSERVATION AND FIELD EXPERIENCE: SPECIAL EDUCATION ED 292
Dr. Michael Kahn

Office: Park Ave. Bldg. Room #17

Course Description: An in depth experience of working daily with exceptional children which gives the Rollins student an opportunity to examine a field of special education. Students enrolled in this course will volunteer their services as teacher aides in a special education school of their choice.

Prerequisites: Instructor's consent

Means of Evaluation: Grades will be on a credit/no credit basis and will depend on a written evaluation from the supervising teacher, College instructor and self evaluations. Grades will also be based on attendance, and participation in campus seminars.

Class Meetings: Students will attend their assigned schools Monday - Thursdays from 8:00 - 3:00 and will attend on campus seminars on Friday mornings from 9:00 - 11:30. There will also be a class meeting in December to arrange for placement.

First Class Meeting: 9:00 Monday in Park Avenue Bldg. Room #14

ECONOMICS AND BUSINESS ADMINISTRATION

ECONOMICS OF CONTEMPORARY ISSUES

EC 121

Dr. Wayne Hales

Office: Crummer 224

Course Description: Contemporary national and social issues are used as vehicles to introduce students to the economic way of reasoning. Issues such as the illegal drug problem, the volunteer army, the environmental pollution problem, and the welfare system are explored and analyzed with the aid of some elementary tools of economic analysis. (Will not count toward the major if a student has previously completed EC 211 or EC 212)

Means for Evaluation: Several examinations including a comprehensive final examination; problem assignments; reading reports; class presentations.

Class Meetings: 9:00 - 11:00 Monday thru Friday

First Class Meeting: 9:00 Monday in Crummer 112

PERSONAL ECONOMICS

(V)

EC 202

Dr. Kenna Taylor

Office: Crummer 208

Course Description: Designed for students with little or no knowledge of economics, this course aims to provide students an opportunity to acquire a conceptual framework and the analytical tools to make more personally satisfying economic decisions throughout their lifetimes. The use of hypothetical but realistic cases demonstrates how the concepts and tools are integrated in making personal economic decisions, while at the same time providing students with examples of the kinds of decisions they eventually will be making.

Prerequisites: M 109 or a higher level course. No economics or business administration majors, for non-majors only.

Means for Evaluation: Two exams (one mid-term and one final), class involvement, and a case workbook will all be used as means of evaluation.

Class Meetings: Classes will meet MTTHF 8:30 - 11:00 and WTH 12:00 - 2:00; Wed. February 3 9:00 - 1:00.

First Class Meeting: 8:30 Monday in Crummer 318

EUROPEAN ECONOMIC HISTORY

EC 291

Dr. Camille Castorina

Office: Crummer 108

Course Description: Students will engage in a chronological study of several periods of European economic history. Concentration will be on ancient Greece and Rome; the late Italian Renaissance and the Belle Epoque. Integrated into this survey will be models which may help explain why certain periods of economic prosperity are also periods of intense cultural development. The course will be supplemented with audiovisual material, guest lectures, and the use of off-campus resources.

Prerequisites: Sophomore status

Means for Evaluation: Three examinations and discussion of readings.

Class Meetings: Classes will meet 1:00 - 4:00 MTWTH

First Class Meeting: 1:00 Monday in Crummer 220

INVESTMENTS

Mr. A. Ross Evans

EC 308

Office: Crummer 116

Course Description: This course is largely a study of investments in stocks and bonds. However, some emphasis is given to other forms of investments, especially real estate. Course objectives are as follows: to build a financial and investment vocabulary; to provide inquiry into business problems and current trends; to read financial statements intelligently; and to better understand the working of our capitalistic economy, the political philosophy of the times, and the future trends of the economy and their effects on business.

Means for Evaluation: Three or more tests; three or more special written reports, class discussions.

Class Meetings: Classes will meet for two hours each day five days per week 8:30 - 10:30

First Class Meeting: 8:30 Monday in Crummer 117

ECONOMICS OF DEREGULATION

Dr. Donald W. Hill

EC 398

Office: Crummer 115

Course Description: The economics of deregulation with particular emphasis on the deregulation of the airline industry. The history of regulation and changes in the Aeronautics School and the reasons for and initial results of deregulating the airline industry. Library research and an analytical paper is required.

Prerequisites: EC 212

Means for Evaluation: Extent of library research, class participation, and analytical content of the research paper.

Class Meetings: 10:00 - 12:00 Monday thru Friday

First Class Meeting: 10:00 Monday in Crummer 113

ECONOMETRICS

Mr. William Hepburn

EC 421

Office: Crummer 210

Course Description: Introductory treatment of econometrics. Various econometric models will be presented and discussed. The main problems faced by econometricians will be examined. Topics to be covered include: regression, correlation, least-squares, systems of equations, problems in regression analysis, identification, estimation techniques and decision theory. Governmental information and data sources.

Prerequisites: EC 221, EC 211, EC 212, M 110, or BA 301. Also must have senior status.

Means for Evaluation: Tests, homework assignments, research paper, and class presentations.

Class Meetings: Classes will meet 9:30 - 12:00 MTHF

First Class Meeting: 9:30 Monday in Crummer 222

REAL ESTATE INVESTMENT AND TAXATION

EC 491

Mr. Roy Meadows

Office: Crummer 308

Course Description: The purpose of this course is to provide the student with a basic understanding of the institutions and instruments important to the financing of real estate.

A secondary objective is to present a very complex subject—real estate investment analysis—in a simple, comprehensible manner. Real estate investment analysis is a complex subject because it requires a working knowledge of several diverse subjects: law, finance, economics, income taxation, and the physical aspects of real estate.

Prerequisites: Instructor's consent and BA 438

Means for Evaluation: Midterm and final exams, and a comprehensive research paper.

Class Meetings: Classes will meet 9:00 - 11:30 MTWTH

First Class Meeting: 9:00 Monday in Crummer 316

ETHICS FROM A MANAGERIAL PERSPECTIVE

(V)

EC 492

Mr. Joseph D. Calderone

Office: Sullivan House

Course Description: Case studies of the changing environment of American business. The social responsibility of business; employer/employee rights and obligations; the contract of sale; ethical problems relating to relationship between producer-consumer will be discussed.

Prerequisites: Instructor's consent and senior Business Administration or Economics majors.

Means for Evaluation: Tests (2), Oral presentations, homework (cases) written reports, and short research paper.

Class Meetings: 12:00 - 2:30 MTWTH

First Class Meeting: 12:00 Monday in Crummer 117

MODERN MONETARY THEORY

EC 489

Mr. J.B. Prag

Course Description: This course will develop and discuss modern theories of monetary economics using both monetarist and neo-keynesian viewpoints. It will both foster a greater understanding of monetary policy past and present and will develop the student's ability to examine current macro-economic events.

Prerequisites: EC 304

Means for Evaluation: Periodic homework assignments involving application of the theories developed in class, a three hour essay-type midterm and a final examination.

Class Meetings: Classes will meet 11:00 - 2:00 Monday thru Thursday.

First Class Meeting: 11:00 Monday in Crummer B17

BUSINESS ADMINISTRATION

ACCOUNTING FOR NON-BUSINESS MAJORS
Mr. John W. McCall

BA 392
Office: Crummer 110

Course Description: This course will be an intensive study of accounting theory as applied in the business world, without all of the detail of debits and credits. An emphasis will be placed upon the role of accounting data in the managerial decision-making process.

Prerequisites: Course open to sophomores or higher

Means for Evaluation: Homework will be assigned on a frequent basis. Such assignments will require reading of current accounting topics with either a verbal or written report being presented. Reinforcement of writing skills will be required and solving of accounting problems will be kept to a minimum. Student participation will be one of the major determinants of the final grade, as well as weekly tests covering material discussed during the week.

Class Meetings: Classes will meet two hours per day, three days per week.

First Class Meeting: 9:00 Monday in Crummer 220

ACCOUNTING AND SOCIETY
Dr. Bill West

BA 397
Office: Crummer 109

Course Description: Designed for the liberal arts student, this seminar will provide an understanding of how accounting fits into the American economy. The vital role of accounting in our society will be discussed. A brief history of accounting will be presented, as well as its future and how it can assist with the problems and challenges of social change. Elementary concepts of accounting will be explained, but only as necessary for a basic understanding of financial statements. Basic federal income taxation and investment analysis will be discussed. This course will not teach accounting or bookkeeping but will afford a proper perspective as to why accounting information is presented. It will be especially useful to those liberal arts students who intend to pursue graduate study in business but who have had no previous exposure to accounting. It should also be valuable to those students who

simply want to understand financial reporting and information available to corporate investors.

Means for Evaluation: Two examinations, pop quizzes, research paper/presentation, class participation.

Class Meetings: Classes will meet 9:00 - 11:30 MTWTF

First Class Meeting: 9:00 Monday in Crummer 221

LINEAR PROGRAMMING
Dr. Ralph H. Naleway

M 196
Office: Bush 329E

Course Description: See Mathematics for course description.

ENGLISH

THE JAPANESE HAIKU AND ITS CULTURAL CONTEXT
Dr. George Hudson

E 196

Course Description: This seminar offers an introduction to the aesthetic patterns of Japanese culture by focusing on the short, seven-teen syllable poem called the haiku.

The course will recreate Basho's vision of his world through the use of slides of ink drawings, calligraphy, tea bowls and Buddhist religious art. Students will read a wide selection of poetry in the haiku form. Discussions will center on the interaction of cultural ideals of taste, on the influence of Zen Buddhism on the arts, and most of all on the philosophy of life reflected in the poetry. Parallels will be drawn from English literature.

Means for Evaluation: Short papers, contribution of discussion, final exam.

Class Meetings: 9:00 - 11:00 Monday thru Friday

First Class Meeting: 9:00 Monday in Bush 234

MASTERPIECES
Mr. Jonathan Kistler

E 197

Course Description: Intensive reading of Tolstoy's War and Peace (Maude translation) in its entirety, and Flaubert's Madame Bovary as works of art and interpretations of life.

Means of Evaluation: Examinations

Class Meetings: 10:00 - 12:00 Monday thru Friday

First Class Meeting: 10:00 Monday in Knowles 101

THE COMIC MODE IN AUSTRALIAN LITERATURE
Mr. Marc MacLeod

(C)

E 249

Course Description: It has often been claimed that the dominant features of Australian literature are a mild melancholy and a profound realism. This course will, however, focus on comic writing in Australia and on the relations between its sense of humour and that melancholic realism, in the novel, short story, drama and poetry. Comparisons between Australian and American comedy will be encouraged in order to analyze the cultural values of the two societies.

Means of Evaluation: Three papers of 2,000 words each.

Class Meetings: Four 1 hour lectures, and three 2 hour seminars per week.

First Class Meeting: 9:00 Monday in Crummer 317

THE BYRONIC HERO: FROM CAIN TO HEATHCLIFF
Dr. Roy Starling

E 288

Office: Orlando 211

Course Description: This course will examine the solitary, wandering, guilt-ridden "heroes" of Byron and other Romantics and will attempt to find connections between these characters and similar figures in the literature before and after the Romantic movement. One objective of the course is to show the Romantics' debt to tradition—to the literature of the past—and their influence on later literature. We will also examine such questions as can the Byronic hero be seen as a metaphor for the post-eighteenth-century artist? How did this

introspective figure survive the Victorian age? Do traces of this often misanthropic outcast remain in contemporary literature?

Means for Evaluation: Oral presentations, a critical paper, an examination, and class participation.

Class Meetings: Classes will meet 9:00 - 12:00 Monday thru Friday

First Class Meeting: 9:00 Monday in Orlando 101

PECULIAR INSTITUTIONS

E-ED 289

Dr. Alzo Reddick and Dr. Maurice O'Sullivan Offices: Orlando 209 and Park Ave. Bldg.

Course Description: Peculiar Institutions will examine the effects of stereotypes and stereotyping on ourselves and our culture. Using a variety of media and forms (fiction, essays, T.V.), we will examine how racial images affect our view of the world. In addition to class discussions, at least once a week, we will make a field trip to discuss with community leaders the role of race in forming such American institutions as the educational system and political parties.

Means for Evaluation: Group journal, Paper, Individual or Group Project, Final Examination

Class Meetings: Each week there will be three morning sessions, one film, and one field trip.

First Class Meeting: 9:00 Monday in Orlando 205

THE GROTESQUE IN LITERATURE

E 292

Dr. Philip Pastore

Office: Orlando 110

Course Description: After ascertaining what constitutes the grotesque in literature, and formulating a working definition, we will examine various works, primarily novels, which exhibit grotesque characteristics. Our task will encompass a consideration of the various forms the grotesque assumes (i.e., merging with comedy to create satire or black comedy; linking with psychology to describe the limits of consciousness or alienation, psychosis, etc.), and the alteration of themes it can effect (i.e., the fusion of the "sacred" and "blasphemous" to affect a new religious consciousness as in Flannery O'Connor's works). We will also read some scholars whose interest focused on defining and even revising our conceptions of the nature and functions of the grotesque as preparation to reading the works of fiction.

Means for Evaluation: In-class participation will of course count, but the grade will depend primarily upon the student's presentation of his/her report to the class in the final days of the term, and the paper submitted to the instructor at the end of the term.

Class Meetings: The class will meet every day for the first three weeks for 2 to 2½ hours, from 10:00. The fourth week will be devoted to conferences, and individual study preparing the report. The class will meet the last three days of the term for whatever length of time needed to hear and respond to the individual reports.

First Class Meeting: 10:00 Monday in Orlando 106

SUPERMAN/WONLERNWOMAN: VISIONS OF HUMAN POTENTIAL E 389
Dr. Alan Nordstrom Office: Orlando 207

Course Description: Does human history comprehend the full extent of human consciousness and evolution, or are there further reaches to be found in human nature? Are there new frontiers of mental and physical aspiration to be sought for both in individuals and in the race? Examining the premise that man is "the unfinished animal" and has an open-ended evolution to help shape, this course intends to probe some current literature, both fiction and non-fiction, that advances the thesis of progress in human personality and society. Exponents of the so-called Human Potentials Movement suppose that personal and social transformation in the direction of a higher consciousness (a more capable, inclusive, and creative consciousness) is our innate imperative, an intention latent in our genes, and the right object of our human enterprises. What then is this higher state of mind, this grander human being? The superman? The self-actualized person? The transcendental soul? The cosmic questor? The mystic master? This course of readings and discussions will inspect images of a new humanity as glimpsed in the visions and speculations of contemporary writers.

Means for Evaluation: Written reports on correlative reading and a comprehensive final essay.

Class Meetings: Classes will meet 10:00 - 12:00 daily with occasional afternoon and/or evening meetings.

First Class Meeting: 10:00 Monday in Orlando 105

THE FAMILY IN AMERICAN LITERATURE: THE TIE THAT BINDS E 397
Dr. Barbara Carson Office: Orlando 208

Course Description: "Ah, the family. . . the whole hideous institution should be wiped from the face of the earth." That's the view expressed by one of Katherine Anne Porter's characters. Others in American literature are more likely to agree with Welty's Jack Renfro who sees the family as the estate of the poor--the source of life's meaning and security. This course will explore various attitudes toward family and the relationship between the family and the individual in a half dozen or so American novels and autobiographies. The works will present families shaped by different traditional backgrounds as well as the modern nuclear family.

Prerequisites: Instructor's consent

Means for Evaluation: Quizzes before class discussion of each work; oral presentation; critical paper; final examination; journal

Class Meetings: Classes will meet 9:00 - 12:00 Monday thru Friday with reading days scheduled before the discussions of the longer novels.

First Class Meeting: 9:00 Monday in Orlando 206

ADVANCED EXPOSITORY WRITING ON ENVIRONMENTAL ISSUES E 392
Dr. Steve Phelan Office: Orlando 109

Course Description: See Environmental Studies for description.

ENVIRONMENTAL STUDIES

PRINCIPLES AND PRACTICE OF URBAN PLANNING
Mr. J. Sellen

ES 391

Course Description: An examination of the urban land use planning process focusing on the economic, environmental, legal and administrative factors utilized in arriving at land use recommendations. The objective of the course is to familiarize course participants with the planning process as it effects both government and the private sector, as well as provide an understanding of local government regulations for zoning and capital improvements programming, course work will draw extensively on local planning programs in the Orlando metro area to illustrate land use planning principles.

Prerequisites: ES 189 or one course which dealt with urban problems.

Means for Evaluation: Evaluation will be based on tests, research papers and class/lab participation.

Class Meetings: Classes will meet 3:00 - 5:30 Monday and Wednesday and 1:00 - 3:00 on Friday for lab.

First Class Meeting: 3:00 Monday in Orlando 101

ADVANCED EXPOSITORY WRITING ON ENVIRONMENTAL ISSUES
Dr. Steve Phelan

E 392

Office: Orlando 109

Course Description: For Environmental Studies majors or students of other disciplines interested in environmental issues, this advanced composition course will develop skills in writing of various kinds: the argumentative essay, the technical report, the book review, and the personal essay which is a "reading" of nature. Environmental field trips to generate interest in and understanding of controversial topics will be included.

Means for Evaluation: Five major writing assignments

Class Meetings: Classes will be meeting in the afternoon.

First Class Meeting: 1:00 Monday in Orlando 206

FOREIGN LANGUAGES

FRENCH CARIBBEAN AUTHORS: LITERARY PERSPECTIVES ON COLONIALISM

FR 490

Dr. Richard Lima

Office: Hauck 208

Course Description: More than a means of acquiring an appreciation of French Caribbean literature and culture, this course is designed to augment the students' awareness and understanding of the literary manifestations of French colonialism. Theatrical works by Aimé Césaire, the poetry of Edouard Glissant, political writings by Frantz Fanon, and the autobiographical insights of Léon Damas will form the basis of our in-depth study. Their influence on the colonized as well as on the colonizer will be explored in light of the historical phenomenon of French colonization, and related to contemporary thoughts on literary and political independence of, and interdependence with, metropolitan France.

An important objective of this course is to initiate student interest in researching a relatively overlooked area of French literature. Because of the paucity of substantive criticism devoted to many French Caribbean writers, this course is organized as a directed study. However, independent study and original research will be stressed. Moreover, gaining an understanding of the French creole language peculiar to this literature, as well as improving the students' research techniques of bibliographic compilation, formal citations and accurate quotations, will be a course objective.

Prerequisites: Instructor's consent and must be a French major

Means for Evaluation: Students will be evaluated on their participation in class discussions, oral presentations, bibliographic work and research paper. Each will be asked to present a topic selected for its literary, historical and cultural interrelationships. All will be required to research a French Caribbean author and his works, his influence on a literary movement and its socio-political implications, or a literary genre peculiar to French Caribbean authors and its cultural significance. In addition, a bibliography for these, or other acceptable topics must be approved before students begin writing their research paper (10-15 pages).

Class Meetings: Classes will meet four mornings a week for an hour's lecture, followed by a two-hour discussion period. Afternoon sessions will vary in length, depending on the cultural aspect of the French Antilles to be presented (i.e., films, recordings, visitors of French Caribbean descent, etc.). Likewise, some of these sessions will be devoted to individual consultations with the instructor, preparations for oral presentations, bibliographic compilation and research paper.

First Class Meeting: 9:00 Monday in Hauck 102

DANTE AND MEDIEVAL CULTURE
Dr. Ferdinando D. Maurino

IT 390

Course Description: A critical reading of Dante's Divina commedia in English through selected cantos; introductory, critical lectures on the poet's medieval ambience, on specific historical-cultural events as related to the poem, and on the poet himself as the center of his universe. Reading in Italian by the professor and by Gassman, Brazzi, and Ciardi on records. Class discussions; two critical reports; class attendance strictly required.

Means for Evaluation: Evaluation through questions generally posed by the instructor or elicited by the instructor from the students; the professor's lectures and critical reading of the poem (some famous verses will be read in Italian) are most important and require a strict attendance of the course. Assignments will be given to read specific cantos; two written reports on themes to be chosen by the students in consultation with the instructor.

Class Meetings: Classes will meet 10:00 - 12:00 Mondays and Wednesdays and from 10:00 - 11:00 on Fridays. Library Research 10:00 - 12:00 on Tuesdays and Thursdays and conferences with professor at 1:00 on Mondays and Wednesdays.

First Class Meeting: 10:00 on Monday in Hauck 100

"MORAL AND AMOROUS TALES": BRAZILIAN PROSE IN TRANSLATION
Dr. Roy A. Kerr

PT 191

Office: Hauck 204

Course Description: A literature course taught in English. All books will be read in English translation. Open to all students. We will focus on the works of two acknowledged masters of Brazilian letters: the satyric, psychological stories and novels of Joaquim Maria Machado de Assis (1839 - 1909), and the exuberant, bawdy tales and novels of Jorge Amado (1912 -). We will discuss the works in detail, identifying those preoccupations that are typically Brazilian, and speculating on the more universal themes and implications.

Means for Evaluation: Quizzes before discussion of each reading assignments; and examination; an original paper on a work outside the required course readings (a summary will be given orally before the class).

Class Meetings: Classes will meet 9:00 - 12:00 Monday thru Friday

First Class Meeting: 9:00 Monday in Hauck 202

THE SPANISH PLAYERS
Dr. Edward Borsoi

SH 295

Office: Hauck 202

Course Description: This is one of an annual series of plays given in Spanish before an appropriate audience (Casa Iberia, local high school groups, college students, etc.). The course is a workshop consisting of rehearsals and preparations. Choice of the play depends on: (1) opportunity for student participation and (2) enrollment. Aesthetic/literary considerations are secondary, with the primary purpose being improvement of linguistic skills. Students should register only if they are absolutely certain of remaining enrolled, since the play selection will be based on the enrollment figures. This course may be repeated for credit.

Prerequisites: SH 201 or proficiency to read a play in Spanish and Instructor's consent.

Means for Evaluation: Evaluation based on instructor's assessment of cooperation, memorization of lines and overall performance.

Class Meetings: Rehearsals daily, from 9:00 - 12:30 or 1:00

First Class Meeting: 9:00 Monday in Hauck Auditorium

Course Description: This course will offer students a practical introduction to the Hispanic business world. The course objectives are: a) to give students a functional competency in commercial terminology and procedures, and b) to achieve a general understanding of the social and cultural mechanisms that determine protocol, etiquette, and other canons of professional business behaviour. Attempts will be made to provide students with a practical experience by working with local and international hispanic industries on a "hands on" basis. Also, lectures and meetings with hispanic business leaders will be arranged.

Prerequisites: Instructor's consent and SH 202

Means for Evaluation: Vocabulary quizzes, 30% of final grade; class attendance and participation; 30% of final grade; and directed individual research projects, 40% of final grade.

Class Meetings: Classes will meet 9:00 - 12:00 Monday thru Friday

First Class Meeting: 9:00 Monday in Hauck 101

HISTORY

LIVING AND LEARNING IN AN ACADEMIC COMMUNITY H 188
Dr. Jack C. Lane Office: Knowles 114

Course Description: The objective of this course is to explore and experience the meaning of living and learning in an academic community, using Rollins as a case study. Since the class itself will serve as a model for academic community, the members will determine, during the first classes, how best to carry out the stated objective--with one exception: from its studies, the class will produce a report on the present status of academic community at Rollins College.

Means for Evaluation: A final all-class report; otherwise to be determined by the members of the community.

Class Meetings: Classes will meet 1:30 - 4:30 Monday thru Friday

First Class Meeting: 1:30 Monday in Knowles 113

HITLER: A STUDY IN TYRANNY H 191
Dr. Barry Lewis Office: Knowles 106

Course Description: In this examination of the career of Adolf Hitler and the forces which shaped his life, we will attempt to make sense out of the Hitler enigma. Students will explore his biography and then produce specialized studies of particular aspects of the Nazi era. We will endeavor to arrive at some understanding about what prompted Hitler in his quest for power and what motivated the German people to turn to Nazism as a solution to their national problems. Finally, students will explore the international consequences of Hitler and the Nazi movement. Some class time will be devoted to the development of research techniques.

Means for Evaluation: The final grade in this course will be based on student performance in class discussions (25%), an examination covering the assigned readings (25%), and a research paper utilizing primary and secondary sources (50%).

Class Meetings: 9:00 - 11:30 Monday - Friday for the first two weeks. During the third and fourth weeks the class will not meet while students work on their research papers. The final week will be devoted to presentations of paper synopses.

First Class Meeting: 9:00 Monday in Knowles 102

ABRAHAM LINCOLN AND REPUBLICANISM H 291
Dr. Gary Williams Office: Knowles 107

Course Description: Abraham Lincoln, whether a great president or not, was an archetypal Republican and republican of mid-19th century America. An examination of Lincoln's life will not only illuminate many of the major themes of the Civil War era but may, in some ironic ways, help us understand the strengths and weaknesses of the "great white men" approach to the study of history. Among the topics to be considered in the course will be the private Lincoln, Lincoln as anti-slaveryite and racist, the new Republican party and its brand of republicanism, Lincoln's views on "free labor" and "economic man", the crisis of the 1850's, Lincoln's prosecution of the war, and his views on the South and the problem of restoration. Since our library contains a good collection of primary and secondary sources on the Lincoln era, including both the published Collected Works of Lincoln and his unpublished Papers (microfilm), each student will write a 15-20pp.

research paper on some aspect of Lincoln's life/career or on a closely related topic. Students must obtain consent for this course during the preregistration period.

Prerequisite: Instructor's consent

Means for Evaluation: Course readings will include 4-5 books and a number of articles in the library. Each student will write a brief essay (about 5 pp.) and a research paper (15-20 pp.). Class participation will also be evaluated. Note: This course is offered only on a Credit/No Credit basis.

Class Meetings: Classes will meet 10:00 - 12:00 four times a week during the first half of term. During last half of term, fewer class meetings, more emphasis on individual research and tutorials.

First Class Meeting: 10:00 Monday in Knowles 207

WOMEN AND WORK: THE PROFESSIONS
Dr. Maureen Fastenau

H 391
Office: Knowles 110

Course Description: This course is designed to explore women's efforts to enter the professions (law, ministry, medicine, education, business, etc.) It covers the time period from the nineteenth century to the present. We will inquire into why women were barred from the professions, how they pressured for professional opportunities, what discriminations and difficulties they encountered, and how they attempted to balance career and family.

Prerequisites: Instructor's consent

Means for Evaluation: Each student will be asked to explore women's participation in a profession. This exploration will consist of a quantified study using Notable American Women, two oral histories (interviews), and relevant secondary and primary historical materials. The term paper based on this exploration and class participation will serve as the basis of evaluation.

Class Meetings: Classes will meet 1:00 - 4:00 four days a week for the first week; several class sessions may be scheduled the second week, if necessary; the third week students will pursue their research and schedule individual appointments with the instructor; during the fourth week students will present their research for discussion.

First Class Meeting: 1:00 Monday in Knowles 112

THE RUSSIAN REVOLUTION
Dr. Charles Edmondson

H 394
Office: Knowles 109

Course Description: This course will examine in detail the events in Russia in 1917 from the fall of the Romanovs to the triumph of the Bolsheviks. Students will be expected to seek an appreciation of both why the Revolution occurred and how its path of development was shaped. Among the principal subtopics to be studied are: the background and causes of the Revolution; the quandary of Russian liberalism after the February Revolution; the position of the "democratic left"; the relationship between the Revolution and World War I; the roles of key individuals (e.g., Miliukov, Kerensky, Lenin, and Trotsky); the October Revolution; foreign reaction to the revolutionary events; and historical interpretations of the Russian Revolution.

Prerequisites: Instructor's consent

Means for Evaluation: Students will be given exams and required to submit written critiques of assigned literature. In addition, there will be essays assigned on various topics related to the subject matter.
Class Meetings: Classes will meet 1:00 - 3:00 Monday thru Friday.
First Class Meeting: 1:00 Monday in Knowles 102

LIBRARY

LIBRARY RESEARCH

L 101

Mrs. Jean Bloodworth, Ms. Lynne Anderson Office: Mills Memorial Library

Course Description: This course is designed for students who want to learn how to use the library effectively in order to write research papers. Topics for papers will be selected by students from controversial, contemporary issues. After researching both sides of a question and discussing it in groups, students will decide on their personal point-of-view and will write a short term paper in support of their stand.

Means for Evaluation: A demonstrated understanding of the different types of materials available in libraries and how to use them: card catalog, bibliographies and indexes, will be the basis for part of the grade. There will also be evaluation based on how well library materials and research techniques are utilized in writing and documenting a final term paper.

Class Meetings: Daily at 9:00 for three hours. Group and individual conferences may be substituted as appropriate.

First Class Meeting: 9:00 Monday in Mills Memorial Library

MATHEMATICS

LINEAR PROGRAMMING
Dr. Ralph H. Naleway

Office Bush 329E

M 196

Course Description: An introductory course in the mathematical methods used in solving certain management problems. Considerable emphasis will be given to the simplex method for solving these problems. The basic transportation and assignment problems will be investigated as special cases. This is an applied mathematics course of interest to students of business, mathematics, and computer science. Computer demonstrations and computer learning modules will be available.

Means of Evaluation: Two tests, homework assignments and class participation will determine the student's grade

Class Meetings: Classes will meet 9:00 - 12:00 Monday thru Friday

First Class Meeting: 9:00 Monday in Bush 327

CALCULUS III
Dr. Alexandra Skidmore

Office: Bush 329D

M 211

Course Description: Continuation of Mathematics 112 or Mathematics 114. Vectors, directional derivatives and gradient; extremal problems for functions of several variables; improper integrals; sequences and series; power series; introductory linear algebra.

Prerequisites: Instructor's consent and M 112

Means for Evaluation: Homework, exams, and class discussions.

Class Meetings: Classes will meet 9:00 - 11:30 MWF and others by arrangement.

First Class Meeting: 9:00 Monday in Bush 329D

MUSIC

MUSIC FOR BEGINNERS OR "THEY LAUGHED WHEN I SAT DOWN TO PLAY . . ."

MU 196

Dr. William K. Gallo and Dr. Susan Lackman

Offices: Keene 121

Course Description: Often students with no musical background wish to experience music through playing. The Music Department is offering these students a chance to develop musical skills through piano, recorder and autoharp playing, as well as through music theory study. It is the goal of this course to develop musical skills sufficiently to complete Music for the Classroom (a group piano method book) and to play recorder in 3 keys within a 10-note range.

Prerequisites: It is requested that only students with no prior formal musical instruction register. Also Instructor's consent.

Means for Evaluation: Evaluation will be based upon: class involvement (attendance and participation), written tests on keyboard, recorder, autoharp and music theory, applied tests on playing skill, and reports on concert attendance.

Class Meetings: Classes will meet four times per week and consist of one 30 minute theory lesson followed by one 50 minute keyboard lesson and one 50 minute lesson in recorder/autoharp.

First Class Meeting: 9:00 Monday in Keene 117

PHILOSOPHY AND RELIGION

HUMAN POTENTIALS: THEORY AND EXPERIENCE

PH 196

Dr. Hoyt Edge

Office: French House

Course Description: Students will engage in the practice of some of the exercises discussed in the human potential literature, including traditional meditation techniques such as yoga and Zen, in addition to more modern techniques such as TM and Silva Mind Control. Further practice will include exercises in developing imagery and in delving into the unconscious, as well as body techniques such as the Feldenkrais method. A heavy amount of reading will be required which discusses the human potential movement and the physiology, psychology and metaphysics which underlies the movement.

Prerequisites: Instructor's consent

Means for Evaluation: There will be a quiz or short paper for each of the three basic books read during the first three weeks of the course, and a term paper due at the end of the course. The class must be taken Credit/No Credit.

Class Meetings: Classes will meet 9:00 - 12:30 Monday thru Friday for the first three weeks. Students will meet with the instructor individually after that time while working on their papers.

First Class Meeting: 9:00 Monday in French House Lounge

GOD AND THE NEW WORLD: INTERDISCIPLINARY STUDIES IN THE MEANING OF THE AMERICAN EXPERIENCE

R 293

Mr. Timothy S. Bauer-Yocum

Office: French House

Course Description: "You can't be a good Christian and a liberal at the same time," asserts Jerry Falwell, T.V. evangelist and President of Moral Majority, Inc. On the contrary, responds Norman Lear, producer of "All in the Family" and founder of People for the American Way, the true American ideal requires diversity, pluralism, tolerance, and open democracy.

The current debate is a visible expression of forces and tensions that have been deeply rooted in American life and thought since the country's origins. The present course seeks to shed some light on contemporary social crises by tracing their sources in the long, stormy marriage of American sociopolitical processes with moral and religious aspirations.

Questions we will address include: what are the essential elements in the American character and "the American faith"; how have religious concerns shaped our history, literature, and social institutions; do present social crises have moral roots, and if so, what resources do we have for moving toward social and spiritual recovery?

Means for Evaluation: Class participation will comprise 20% of the course grade. Early in the term, each student will select one of the class sessions and will be responsible for presenting the material for that session. Presentations will not begin until the second week of the term. They will involve some outside reading, and will evenuate in a short paper (5-10 typed pages), due one week after the in-class presentation (or at the end of the term, whichever comes first). The combined presentation-paper will comprise 30% of the course grade.

Each student will keep an informal journal in which he/she will summarize and respond to the readings and discussions throughout the term. The instructor will read the journals at the end of each week and at the end of the term. The journal will comprise 50% of the course grade.

Class Meetings: Classes will meet 9:00 - 12:00 Monday thru Friday
First Class Meeting: 9:00 Monday in Park Ave. Bldg. #10

THE THOUGHT AND WORK OF RALPH ADAMS CRAM
Dr. A. Arnold Wettstein

R 295
Office: Knowles Memorial Chapel

Course Description: Ralph Adams Cram, the architect of the Chapel, was among the most influential American architects of the first half of the 20th century. Not only had he "revolutionized the visual image of American Christianity in his time", as architect of the Cathedral of St. John the Divine among other churches, he had designed collegiate buildings at West Point, Princeton, Rice, Notre Dame, Williams and Bryn Mawr, among other colleges and schools. What is more, he authored some dozen books elaborating his ideas.

The objective of the course will be to develop a deeper understanding of architecture, its principles, styles and relation to other arts by examining Cram's writings and designs. Cram's views on religion and culture will be studied along with his churches and major collegiate buildings. The course will coordinate with the exhibit of the architect's work at the Cornell Fine Arts Center and the Chapel Jubilee. Harvard architectural historian, Douglass Shand Tucci, and a current affiliate of Cram's architectural firm, Dean Doran, will be guest leaders of seminars.

Means for Evaluation: Students will develop illustrated research papers to be presented and discussed in seminars.

Class Meetings: Classes will meet 9:30 - 11:30 MTTHF, some of which will be workshops. Special seminars may be scheduled at other times.

First Class Meeting: 9:30 Monday in Knowles Memorial Chapel Seminar Room.

THE PHILOSOPHY OF KARL MARX
Dr. Sara Ann Ketchum

PH 392
Office: French House

Course Description: An examination of the philosophy of Karl Marx from the early critique of Hegel through Capital, with special attention paid to the connections between philosophy, politics, and economics. The central puzzles of the course are: how does practical activity figure in the solution of philosophical questions; and how do philosophical questions figure in the solution to practical problems. The students will be asked to apply Marx's theory to some current social/political/economic problem with an eye to illuminating both the problem and the strengths and weaknesses of the theory.

Prerequisites: One course in Philosophy or PO 120 or EC-H 342 or Junior or senior standing in one of the social science majors.

Means of Evaluation: One project/research paper

Class Meetings: Classes will meet 9:00 - 12:00 Monday thru Friday for the first three weeks. Some meetings at the end of the term to share results; the length of those will be determined by the number of students.

First Class Meeting: 9:00 Monday in Orlando 201

INTERMEDIATE LOGIC (Q)
Dr. Bruce Wavell

PH 393
Office: French House

Course Description: This is a course in symbolic logic that, like PH 223, develops the subject from the beginning, but employs the new "deductive tree" approach which avoids duplicating the material in the introductory course, enables one to move faster, and so to go farther in the subject. The course begins with sentential logic, continues with the lower and higher predicate calculi and ends with Church's and Goedel's theorems on decidability and completeness. The text is R. Jeffrey's Formal Logic.

Prerequisites: PH 223 or M 111

Means for Evaluation: Three examinations

Class Meetings: 1:00-4:00 Monday through Thursday

First Class Meeting: 1:00 Monday in Knowles Memorial Chapel 2

READINGS IN WESTERN RELIGION
Dr. Theodore Darrah

R 195 (DS)
Office: French House

Course Description: This is a course in reading some of the classical statements that have come out of the religions of the West. The aim of the course is to acquaint students with some religious literature of the Western culture.

Means for Evaluation: Students will be evaluated on the basis of two written reports and one report on a selected book.

Class Meetings: Class will meet for two hours per day, and four days each week, for the first two weeks of the term, as well as the last one and one-half weeks.

First Class Meeting: 10:00 a.m. Tuesday in Knowles Memorial Chapel classroom 2.

PHYSICS

STELLAR ASTRONOMY (N)
Dr. John Ross

P 193
Office: Bush 115

Course Description: The objective of this course is to acquaint the student with a basic background in astronomy so that in future years he or she can read or talk about the field in a knowledgeable manner. The first three weeks will be devoted to daily lecture-discussion sessions on the fundamentals of stars and how we learn about their characteristics. In laboratory sessions the student will work with stellar globes, maps, charts, photographs and spectrograms. Evening observing sessions will include visual, binocular and telescopic observations. During the last week the student will research a particular topic in stellar astronomy—such as variable stars, binary stars, planetary nebulae, exploding stars, peculiar stars, radio stars and galactic or globular clusters. An oral presentation of this topic will be made to the class.

Means for Evaluation: Evaluation will be from a midcourse examination, the oral presentation of the research topic and the instructor's personal evaluation of progress.

Class Meetings: Classes will meet 9:00 - 11:00 Monday thru Friday. Laboratory work (afternoons) and observing sessions (evening) will be arranged depending upon the weather.

First Class Meeting: 9:00 Monday in Bush 107

DIGITAL ELECTRONICS AND MICROCOMPUTERS (N)
Dr. Robert Carson

P 248

Office: Bush 124

Course Description: The hardware of new electronic products (including microcomputers) consists of tiny integrated circuit chips whose study encompasses what is termed digital electronics. We shall concentrate on the 7400 series of chips: their fabrication, logic design, and specific uses in microcomputer circuits. There is a strong laboratory component of the course: studying the input-output characteristics of selected chips, building more complicated circuits with these chips such as counters and decoders, learning certain aspects of 8080A machine language used by the MMD-1 microcomputer, and controlling assembled circuits with microcomputer instructions (software). Our objectives are to introduce you to this fascinating world of digital electronics by creating circuits, pointing out various applications, familiarizing you with particular microcomputers, and setting up a background for future work in the area of computer. There will be opportunities for projects such as speech and music synthesis, simple animation, simulations, color graphics, and the like using the Apple Microcomputer.

Prerequisites: Instructor's consent. Participant should have had a course in BASIC programming or equivalent experience. A prior course in Introductory Physics would be useful, but is not required. This course supports the Minor in Computer Science.

Means for Evaluation: The final grade will be based on (1) answering questions (both verbally and written) from the texts and instructor, (2) several quizzes, (3) successful building of circuits designated by the instructor, and (4) a project which applies some of the material covered in the course.

Class Meetings: The lecture-discussion sessions will meet 3 times a week for the first four weeks (approximately 1½ - 2 hours). the Lab sessions will usually occur daily depending on the individual's progress.

First Class Meeting: 9:30 Monday in Bush 105

SCIENTIFIC GLASS BLOWING
Dr. Joseph F. Mulson

P 291

Office: Bush 111

Course Description: Students will learn the properties of glasses and metals used in the construction of glass laboratory systems. They will be expected to acquire the various techniques needed to construct those systems, such as, joining tubes of various sizes, making T-joints, inside seals, metal to glass seals, glass repair, etc..

Prerequisites: Instructor's consent, science students preferred.

Means for Evaluation: Class will be given Credit/No Credit. Credit will be granted upon satisfactory completion of assigned projects, demonstrating the mastery of techniques necessary for the assembly of scientific glass systems.

Class Meetings: Classes will meet for 1½ hours per day for the first week.

First Class Meeting: 9:00 Monday in Bush 123

POLITICAL SCIENCE

THE DEMOCRATIC IDEAL: DEMOCRACY AND ITS CRITICS IN WESTERN POLITICAL THOUGHT

PO 294

Dr. Laura Greyson

Office: Knowles 108

Course Description: This course will examine various conceptual approaches to democratic politics, including those of classical democracy, republicanism, liberal democracy, communism, and modern movements for participatory democracy. By looking at democracy from a number of different perspectives, the course will attempt to provide insight into both the problems of the democratic state and the potential of the democratic ideal from a number of different philosophical perspectives.

Prerequisites: Instructor's consent

Means for Evaluation: There will be extensive reading assignments (350 - 400 pages per week), two short papers and a final exam, and a number of in-class quizzes. Students will be expected to participate in class discussions, as the course will be conducted as a seminar.

Class Meetings: Classes will meet 9:00 - 11:30 Monday thru Thursday

First Class Meeting: 9:00 Monday in Knowles 112

PROBLEMS OF THE U.S. IN LATIN AMERICA

PO 295

Dr. Luis Valdes

Office: Knowles 110

Course Description: A survey of the problems encountered by the U.S. in its relations with Latin America. Emphasis will be given to the role and significance of Latin America in the general formulation and development of American foreign policy.

Means for Evaluation: A combination of class participation, quizzes, papers, and final exam.

Class Meetings: Classes will meet 1:00 - 3:00 three to four days a week.

First Class Meeting: 1:00 Monday in Knowles 111

THE VIETNAM WAR

PO 393

Dr. Thomas D. Lairson

Office: Knowles 104

Course Description: This course is designed to examine the conflict in Vietnam from 1945 - 1975. We will consider the sources of the conflict, the history of its development and evaluations of the outcome. A sample of the topics include: the impact of French colonialism, peasant revolution, Vietnamese communism, nationalism, American intervention, controlled escalation, counterinsurgency warfare, Vietnamese politics, negotiations, and the role of the Soviet Union and the Chinese. Students will read a broad range of the academic literature on these subjects, focusing on an analysis and assessment of the major events.

Prerequisites: Instructor's consent and PO 130

Means of Evaluation: There will be extensive reading assignments (350 - 450 pages per week) and students will be required to complete the reading for class discussion. There will be two papers, several (unannounced) quizzes, and a final exam. Class time will average 10-12 hours per week with 30-40 hours of out of class assignments.

Class Meetings: 12:30 - 3:00 four to five days a week

First Class Meeting: 12:30 Monday in Orlando 201

PSYCHOLOGY

STRESS MANAGEMENT
Dr. Martin E. Farkash

PY 190
Office: Knowles 202

Course Description: How often have you been told, "It's only your nerves; you've just got to learn to relax". Each of us experience varying degrees of stress throughout our lives, yet most of us have never learned to cope with the pressures of everyday life. Dealing with stress effectively is not a passive activity, but one which requires knowledge, skill and practice.

Prerequisites: Not open to students who have taken "The Art and Science of Relaxation"

Means for Evaluation: Written reports

Class Meetings: Classes will meet 9:00 - 12:00 Four days a week

First Class Meeting: 9:00 Monday in Park Ave. Bldg. #12

PSYCHOPHYSIOLOGY LABORATORY
Dr. James D. Upson

PY 365
Office: Knowles 201

Course Description: An intensive laboratory experience designed to empirically validate the conceptual material covered in Physiological Psychology. Areas covered will be operative procedures with animals, electrical stimulation of the brain, brain ablations, physiological recording techniques, bioelectrical potentials in humans, physiology of sleep, information processing, physiological rhythms, and the systems approach to laboratory research.

Prerequisites: Physiological Psychology PY 365

Means for Evaluation: Consultation with instructor, written lab reports and a formal project paper.

Class Meetings: Classes will meet daily - time dependent on laboratory assignment. Sleep lab will meet at night. Total time in labs is approximately 40-50 hours per week.

First Class Meeting: 1:00 Monday in Knowles Hall Lounge

PRECISE BEHAVIOR MANAGEMENT: APPLICATIONS TO WEIGHT CONTROL PY 392
Ms. Maria Ruiz

Office: Knowles 212A

Course Description: The outpour of books, magazines, booklets and even scientific articles dealing with weight control and physical fitness in recent years suggests that Americans are becoming conscious and active in the pursuit of healthy bodies and healthy minds. We will survey both popular and psychological literatures in this area, and develop individualized programs based on the principles of Precise Behavior Management. Individualized programs will be designed to develop skills in the application of behavioral techniques such as self-management, contingency contracting and cognitive behavior modification while incorporating a wholistic approach to nutrition and exercise.

Prerequisites: PY 101 and Instructor's consent

Means for Evaluation: Written reports, program development and classroom presentations

Class Meetings: Classes will meet 9:00 - 1:00 Tuesday and Thursday
Plus individual weekly conferences

First Class Meeting: 9:00 Tuesday in Knowles 208

PSYCHOLOGY AND HEALTH
Dr. K.H. Wong

PY 490
Office: Knowles 213

Course Description: A survey of the scope, research, theory and practice of Health Psychology, including physical rehabilitation and Neuropsychology, with emphasis on health-related behaviors and phenomena. It is a seminar-discussion format course requiring active verbal participation. Visits to physical healthcare facilities will be arranged.

Prerequisites: Junior or Senior Psychology Major

Means for Evaluation: Evaluations based on classroom presentations, written reports and one written examination.

Class Meetings: Classes will meet 2:00 - 4:00 Tuesdays and Thursdays Plus independent conferences.

First Class Meeting: 2:00 Tuesday in Knowles 101

GENERAL SYSTEMS THEORY IN PSYCHOLOGY
Dr. Roger D. Ray

PY 491
Office: Knowles 212B

Course Description: This course first surveys the basic philosophies guiding scientific research and theory in Psychology, both traditionally and presently. Subsequently, the Process Philosophy underlying a General Systems Approach to science is reviewed. Implications of this approach for research and experimentation, as well as for theory construction, in Psychology are reviewed by focusing on one specific theory and method emerging within Psychology which is systems based. Inter-behavioral Psychology laboratory exercises illustrating the approach to experiments are included.

Prerequisites: Instructor's consent; must be major in Psychology.

Means for Evaluation: Essay Exam and Lab Papers

Class Meetings: Classes will meet 2:00 - 4:00 MTWTH; Labs to be arranged.

First Class Meeting: 2:00 Monday in Knowles 212

SCIENCE

CHEMISTRY AND THE ENVIRONMENT (N)
Dr. Brian G. Ramsey

SC 110
Office: Bush 310

Course Description: A brief introduction to some of the concepts and methods of chemistry and their applications to the study of environmental problems such as industrial waste disposal, determination of toxicity and trade offs with ecological considerations. Decision making and value judgment in solutions of environmental problems will also be examined. The course is designed for non-science majors and no previous knowledge of chemistry on the part of the student is assumed.

Means for Evaluation: The course will be evaluated on the basis of two examinations (midterm and final); written reports and research papers (three); laboratory performance.

Class Meetings: Classes will meet 8:30 - 10:00 Monday thru Friday for lectures, 4:00 - 5:00 Monday and Wednesday for group discussion, and 1:00 - 5:00 Tuesday and Thursday for laboratory.

First Class Meeting: 8:30 Monday in Bush 301

NUTRITION (N)
Dr. Elmer R. Trumbull

SC 192

Course Description: There is a considerable body of evidence about what nutrients are necessary to establish and maintain normal growth and health. There are also extensive lists of the nutritive values of various foods which can be used to plan an adequate diet for various purposes. All the same, considerable controversy exists about the importance of fiber, cholesterol, excess sugar, vitamin supplements and food additives, to name a few specific categories, in the diet. The goal of this course will be to learn to evaluate various diets, including your own, and to become more aware of the uncertainties in the field of nutrition.

Means for Evaluation: Oral reports and/or papers.

Class Meetings: Classes will meet 9:00 - 10:30 Monday thru Friday Plus one 3-hour lab per week.

First Class Meeting: 9:00 Monday in Bush 108

THEATRE ARTS AND SPEECH

THEATRE PRACTICE
Mr. Keith Malick

TA 159/259/359
Office: ART 101

Course Description: Designed to serve specialized needs of the student of theatre; make-up, elements of production, special styles of acting, voice production, set, costume, lighting, with laboratory work on the winter term production.

Means for Evaluation: Work will be evaluated using a structured evaluation form reviewed by the theatre staff each week. The last week of the term involved in-depth evaluation including conferences with each student.

Class Meetings: Classes will meet 10:00 - 12:00, 2:00 - 4:00 Monday thru Friday.

First Class Meeting: 10:00 Monday in Annie Russell Theatre

BALLET I
Ms. Ruth Mésavage

TA 191
Office: Hauck 209

Course Description: This course will build on the basic ballet vocabulary acquired at the barre, in the center, and diagonally. Flexibility, strength, stamina and coordination will be developed through combinations. No written work is required.

Prerequisites: Instructor's consent, Intro to Ballet or permission of professor.

Means for Evaluation: Performance examination, participation, practice out of class.

Class Meetings: Classes will meet 4:00 - 5:45 Monday thru Friday but students should arrive 30 minutes earlier to warm up.

First Class Meeting: 4:00 Monday in Fred Stone

DEVELOPING AND PERFORMING THE ONE-CHARACTER PLAY
Mr. Todd Wronski

TA 295
Office: Annie Russell Theatre

Course Description: Students will research a historical character or event and develop a one character presentation based on this research. The course will culminate with public presentation of the final product.

Prerequisites: TA 232 or Instructor's consent

Means for Evaluation: Research paper, written script, and performance.

Class Meetings: 10:00 - 12:00, 1:00 - 2:30 Mondays and Tuesdays

First Class Meeting: 10:00 Monday in Annie Russell Theatre

COMMUNICATION IN THE CLASSROOM: THE STUDENT-PROFESSOR RELATIONSHIP
Dr. Jere Veilleux

SP 290
Office: WPRK

Course Description: Communication in the classroom is an intensive course that concentrates on the nature of the (college) student-professor relationship. The course will focus on such topics as: student-professor rapport, methods of effective class participation, student-professor dialogues and conferences, and role/image problems in the classroom.

Means for Evaluation: Class participation, term paper, out-of-class interview, intensive descriptive self-analysis.

Class Meetings: Classes will meet 1:00 - 4:00 MTTHF

First Class Meeting: 1:00 Monday in WPRK classroom

ENGINEERING COURSES AT WASHINGTON UNIVERSITY IN ST. LOUIS

Through a cooperative agreement with the School of Engineering and Applied Science at Washington University in St. Louis, Missouri, pre-engineering students at Rollins College have the opportunity to enroll in 2-week intensive engineering courses on the Washington University campus. These courses are specifically designed for pre-engineering students attending colleges that participate in 3-2 agreements with Washington University. They allow students to explore and confirm interests in engineering and to sample the various engineering curricula. They also provide the students and faculty the opportunity to verify the student's ability in engineering and applied sciences.

Rollins will accept these three semester hour courses as equivalent to one Rollins winter term course. In addition, the student will earn credit which will make the completion of a degree in engineering at one of the 3-2 cooperative institutions easier. The cost will be for tuition, housing, and meals. The student should also allow for travel expenses and money for incidentals. Students who qualify for this program will receive a refund for that portion of their Rollins tuition which they have paid and a refund for a portion of their board fee. However, since the College must reserve rooms, we will not be able to refund any portion of the housing charge. In addition, Washington University at St. Louis will provide to deserving students a two-thirds tuition remission upon the recommendation of the faculty.

The four courses listed below will be offered for the January term. Each course will involve three lecture sessions and an independent study or laboratory each day. The student may take only one course during the winter term.

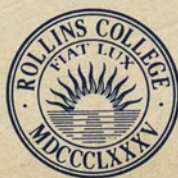
Introduction to Chemical Engineering

Engineering Applied to Biomedical Problems

Engineering Mechanics I

Introduction to Systems Science and Mathematics I

For detailed information on this program and application forms, students should see Dr. John Ross, Coordinator of the 3-2 Engineering Program.



founded 1885
Winter Park, Florida