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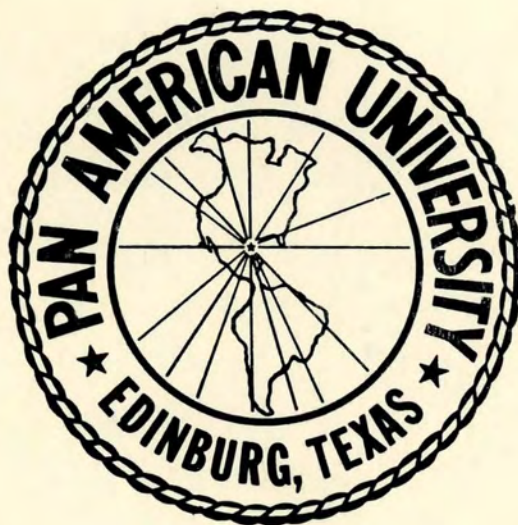
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**COURSE DESCRIPTION
BULLETIN
of
PAN AMERICAN UNIVERSITY
Edinburg, Texas**



1976 - 1977

COURSE DESCRIPTION
BULLETIN
of
PAN AMERICAN UNIVERSITY
Edinburg, Texas

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DEFINITIONS

SESSIONS, SEMESTERS, AND TERMS

THE LONG SESSION IS COMPRISED OF THE FALL SEMESTER AND SPRING SEMESTER, EACH NORMALLY OF ABOUT FIFTEEN WEEKS' DURATION. THE SUMMER SESSION IS COMPRISED OF TWO FIVE AND ONE-HALF WEEK TERMS.

REGARDLESS OF THE LENGTH OF THE SEMESTER OR TERM, THE SAME CREDIT IS GIVEN FOR A COURSE, WHETHER IT IS TAKEN IN THE SUMMER SESSION OR THE LONG SESSION. A STANDARD NUMBER OF CONTACT HOURS IS MAINTAINED IN ALL SESSIONS.

SEMESTER CREDIT

THE UNIT OF MEASURE FOR CREDIT PURPOSES IS THE SEMESTER HOUR. MOST COURSES MEET FOR THREE LECTURE HOURS A WEEK IN A LONG-SESSION SEMESTER AND HAVE A CREDIT VALUE OF THREE HOURS FOR ONE SEMESTER OR SIX HOURS FOR BOTH SEMESTERS. THESE SAME COURSES MEET FOR SEVEN AND ONE-HALF WEEK SUMMER TERM FOR THREE SEMESTER HOURS CREDIT, OR SIX SEMESTER HOURS CREDIT IF THE COURSE EXTENDS OVER BOTH TERMS.

COURSE NUMBERING SYSTEM

COURSES ARE DESIGNED BY FOUR DIGIT NUMBERS WHICH INDICATE BOTH COLLEGIATE LEVEL AT WHICH THEY ARE OFFERED AND THE SEMESTER HOUR VALUE OF THE COURSE. THE FIRST DIGIT SHOWS THE LEVEL AND THE SECOND DIGIT SHOWS THE CREDIT HOURS. THE LAST TWO DIGITS ARE MERELY DEPARTMENTAL DESIGNATIONS.

1000	COURSES ARE AT THE FRESHMAN LEVEL
2000	COURSES ARE AT THE SOPHOMORE LEVEL
3000	COURSES ARE AT THE JUNIOR LEVEL
4000	COURSES ARE AT THE SENIOR LEVEL
5000	COURSES ARE AT THE GRADUATE LEVEL
6000	COURSES ARE AT THE GRADUATE LEVEL
7000	COURSES ARE AT THE GRADUATE LEVEL

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- ACC 2321 PRINCIPLES OF ACCOUNTING I. (FALL, SPRING, SUMMER)
THE FUNDAMENTALS OF ACCOUNTING RELATIONSHIPS, ACCOUNTING CYCLES, RECORDING, BASIC FINANCIAL STATEMENTS, MERCHANDISING ACCOUNTING INCLUDING ACCRUALS, RECEIVABLES, INVENTORIES, PLANT ASSETS, PAYROLL TAXES AND SALES TAXES, ACCOUNTING CONCEPTS AND PRINCIPLES. PRIMARY EMPHASIS ON SINGLE PROPRIETORSHIP OPERATIONS.
PREREQUISITE: THREE SEMESTER HOURS OF MATH AND SOPHOMORE STANDING.
- ACC 2322 PRINCIPLES OF ACCOUNTING II. (FALL, SPRING, SUMMER)
A CONTINUATION OF B.A. 2321, BUT INDEPENDENT OF IT. PARTNERSHIPS, CORPORATIONS AND SPECIALIZED SUBJECTS OF MANUFACTURING, JOB ORDER AND PROCESS COSTS. INTRODUCTION OF FEDERAL INCOME TAXES AND THEIR EFFECT ON BUSINESS DECISIONS.
PREREQUISITE: ACC. 2321
- ACC 3321 INTERMEDIATE ACCOUNTING I. (FALL, SUMMER)
THE ACCOUNTING PROCESS AND FINANCIAL STATEMENTS; DETAILED STUDY OF WORKING CAPITAL, RECEIVABLES, INVENTORIES, CURRENT LIABILITIES, TANGIBLE PLANT ASSETS.
PREREQUISITES: ACC. 2322 AND ADVANCED STANDING.
- ACC 3322 INTERMEDIATE ACCOUNTING II. (SPRING, SUMMER)
PLANT AND EQUIPMENT DEPRECIATION AND DEPLETION, REVALUATIONS OF PLANT ASSETS, INTANGIBLES, LONG-TERM DEBT, CORPORATE CAPITAL STRUCTURE AND RETAINED EARNINGS. FINANCIAL STATEMENT ANALYSIS; CASH FLOW AND APPLICATION OF FUNDS.
PREREQUISITES: ACC. 3321 OR CONSENT OF INSTRUCTOR.
- ACC 3323 INCOME TAX PROCEDURE (FALL, SUMMER)
ANALYSIS OF FEDERAL TAX LAWS; EMPHASIS BEING PLACED ON THE DETERMINATION OF NET TAXABLE INCOME AND THE PREPARATION OF INCOME TAX RETURNS FOR INDIVIDUALS.
PREREQUISITE: ACC. 2321 AND ADVANCED STANDING.
- ACC 3324 COST ACCOUNTING. (SPRING, SUMMER)
TECHNIQUES EMPLOYED IN ACCOUNTING FOR AND INTERPRETING COST. PRIMARY EMPHASIS IS GIVEN TO THE ACCOUNTING FOR MATERIAL, LABOR AND BURDEN UNDER JOB COST, CONTINUOUS PROCESS AND ASSEMBLY SYSTEMS. BOTH COMMERCIAL AND DISTRIBUTIONS COSTS ARE STUDIED.
PREREQUISITE: ACC. 2322 AND ADVANCED STANDING.
- ACC 3325 GOVERNMENTAL AND MUNICIPAL ACCOUNTING. (OFFERED ON DEMAND)
THE SPECIAL FEATURES OF BUDGETARY AND FUND ACCOUNTING AS APPLIED TO MUNICIPALITIES AND OTHER GOVERNMENTAL UNITS.
PREREQUISITES: ACC. 2322 AND SIX SEMESTER HOURS OF FINANCE OR GOVERNMENT AND ADVANCED STANDING.
- ACC 4321 ADVANCED ACCOUNTING. (FALL, SUMMER)
SPECIAL ACCOUNTING PROBLEMS, WITH EMPHASIS ON BUSINESS BUDGETS, PRINCIPLES AND TECHNIQUES OF CONSOLIDATED STATEMENTS, BRANCH ACCOUNTING, SALES CONTRACTS AND FIDUCIARY ACCOUNTING STATEMENTS.
PREREQUISITE: ACC. 3322 OR CONSENT OF INSTRUCTOR AND ADVANCED STANDING.
- ACC 4324 AUDITING. (SPRING)
A SURVEY OF AUDITING PRINCIPLES AND PROCEDURES APPLIED BY PUBLIC ACCOUNTANTS AND INTERNAL AUDITORS IN EXAMINING FINANCIAL STATEMENTS AND VERIFYING UNDERLYING DATA.
PREREQUISITE: ACC. 3321 AND ADVANCED STANDING.
- ACC 4325 ACCOUNTING SYSTEMS. (OFFERED ON DEMAND)
DESIGNED AND INSTALLATION OF ACCOUNTING SYSTEMS. MANUAL AND MACHINE ACCOUNTING PROCEDURES.
PREREQUISITE: ACC 2322 AND ADVANCED STANDING.

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- ACC 4326 MANAGERIAL APPLICATIONS OF ACCOUNTING. (OFFERED ON DEMAND)
EMPHASIS UPON IMPLEMENTATION OF ACCOUNTING DATA, RATIO ANALYSIS, FUNDS
STATEMENTS, COST AND BUDGET PROJECTIONS, VARIANCE ANALYSIS, AND
RELEVANT ACCOUNTING TOOLS FOR MANAGERIAL DECISION MAKING. MAY NOT BE
USED BY ACCOUNTING MAJORS TO MEET ACCOUNTING REQUIREMENTS.
PREREQUISITES: ACC, 2322, B.A. 3383.
- ACC 4328 C.P.A. REVIEW. (SPRING)
PREPARING FOR THE THEORY AND PRACTICE SECTION OF C.P.A. EXAMINATIONS.
PROBLEMS TO DEVELOP THE ABILITY TO SOLVE RAPIDLY THE MULTIPOINT C.P.A.
PROBLEMS UNDER EXAMINATION CONDITIONS. STRESS IS GIVEN TO ACCOUNTING
FOR ASSETS AND LIABILITIES AND TO INTERPRETING THE FINANCIAL STATEMENTS
OF INDIVIDUAL CORPORATIONS.
PREREQUISITE: TWENTY SEMESTER HOURS OF ACCOUNTING AND SENIOR STANDING.
- ACC 4329 ADVANCED INCOME TAX PROCEDURE. (OFFERED ON DEMAND)
TAX REGULATIONS APPLICABLE TO PARTNERSHIP AND CORPORATIONS, TOGETHER
WITH THE PREPARATION OF FEDERAL TAX RETURNS FOR SUCH BUSINESSES.
FEDERAL GIFT, ESTATE AND INHERITANCE TAXES ARE CONSIDERED.
PREREQUISITE: ACC. 3323 AND SENIOR STANDING.
- ACC 5326 FINANCIAL AND MANAGERIAL ACCOUNTING
A STUDY OF THE PRINCIPLES, CONVENTIONS AND CONCEPTS UNDERLYING INTERNAL
AND EXTERNAL REPORTING OF ACCOUNTING INFORMATION BY BUSINESS
ORGANIZATION, AND THE APPLICATION OF THESE PRINCIPLES IN EVALUATION,
INTERPRETATION AND UTILIZATION OF ACCOUNTING DATA FOR MANAGERIAL
DECISIONS.
PREREQUISITES: ACC 2322, B A 3383.
- ACC 5329 SPECIALIZED TAX PROBLEMS
CONCENTRATES ON TAX REGULATIONS AND PREPARATION OF FEDERAL TAX RETURNS
OF PARTNERSHIPS AND CORPORATIONS; FEDERAL GIFT, ESTATE AND INHERITANCE
TAXES. INVESTIGATION AND REPORT ON A CASE OR A PROBLEM IN AN AREA OF
INTEREST TO THE STUDENT IS REQUIRED.
PREREQUISITES: B A 3323 OR EQUIVALENT.
- ACC 6323 SEMINAR IN ACCOUNTING I
THE EVOLUTION OF ACCOUNTING THEORY AND PRACTICE WITH THE RESULTANT
DEVELOPMENT OF PROFESSIONAL ACCOUNTING AS IT IS KNOWN TODAY.
EMPHASIS WILL BE TOWARD LITERATURE FROM THE PROFESSIONAL PUBLIC
ACCOUNTING SOCIETIES AND GOVERNMENTAL REGULATORY AGENCIES
(ESPECIALLY SECURITIES AND EXCHANGE COMMISSION) AS THEY AFFECT
ACCOUNTING.
PREREQUISITE: ACC 4321.
- ACC 6324 SEMINAR IN ACCOUNTING II
A REVIEW OF CURRENT ACCOUNTING LITERATURE FROM ACCOUNTING GROUPS
AND ORGANIZATIONS IN PUBLIC, PRIVATE AND GOVERNMENTAL ACCOUNTING.
THE THEORIES OF THE DIFFERENT ORGANIZATIONS WILL BE COMPARED AND
CONTRASTED.
PREREQUISITES: ACC 4321.
- AERO 1100 GENERAL MILITARY COURSE (FALL)
A STUDY OF THE DOCTRINE, MISSION, AND ORGANIZATION OF THE UNITED STATES
AIR FORCE; U.S. STRATEGIC OFFENSIVE AND DEFENSIVE FORCES; THEIR MISSIONS
AND FUNCTIONS; EMPLOYMENT OF NUCLEAR WEAPONS; CIVIL DEFENSE.
- AERO 1101 GENERAL MILITARY COURSE II (SPRING)
AEROSPACE DEFENSE; MISSILE DEFENSE; U.S. GENERAL PURPOSE FORCES, AND
AEROSPACE SUPPORT FORCES; THE MISSION, RESOURCES, AND OPERATION OF
TACTICAL AIR FORCES, WITH SPECIAL ATTENTION TO LIMITED WAR; REVIEW OF
ARMY, NAVY AND MARINE GENERAL PURPOSE FORCES.
- AERO 2100 THE DEVELOPMENTAL GROWTH OF AIR POWER (FALL)

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EXAMINES THE DEVELOPMENT OF AIR POWER FROM THE ADVENT OF THE AIR AGE THROUGH WORLD WAR II. IT TRACES THE DEVELOPMENT OF VARIOUS CONCEPTS OF EMPLOYMENT OF AIR POWER AND FOCUSES UPON FACTORS WHICH HAVE PROMPTED RESEARCH AND TECHNOLOGICAL CHANGE. A VARIETY OF EVENTS AND ELEMENTS IN THE HISTORY OF AIR POWER IS STRESSED, ESPECIALLY WHERE THESE PROVIDE SIGNIFICANT EXAMPLES OF THE IMPACT OF AIR POWER ON STRATEGIC THOUGHT.

- AERO 2101 THE DEVELOPMENTAL GROWTH OF AIR POWER (SPRING)
EXAMINES THE DEVELOPMENT OF AIR POWER FROM WORLD WAR II TO THE PRESENT TIME. IT TRACES THE DEVELOPMENT OF VARIOUS CONCEPTS OF EMPLOYMENT OF AIR POWER AND FOCUSES UPON FACTORS WHICH HAVE PROMPTED RESEARCH AND TECHNOLOGICAL CHANGE. A VARIETY OF EVENTS AND ELEMENTS IN THE HISTORY OF AIR POWER IS STRESSED, ESPECIALLY WHERE THESE PROVIDE SIGNIFICANT EXAMPLES OF THE IMPACT OF AIR POWER ON STRATEGIC THOUGHT.
- AERO 3300 NATIONAL SECURITY FORCES IN CONTEMPORARY AMERICAN SOCIETY, (FALL)
FOCUSING ON THE ARMED FORCES AS AN INTEGRAL ELEMENT OF SOCIETY, THIS COURSE PROVIDES AN EXAMINATION OF THE BROAD RANGE OF AMERICAN CIVIL-MILITARY RELATIONS AND THE ENVIRONMENTAL CONTEXT IN WHICH DEFENSE POLICY IS FORMULATED. SPECIAL THEMES INCLUDE: THE ROLE OF THE PROFESSIONAL OFFICER IN A DEMOCRATIC SOCIETY; SOCIALIZATION PROCESSES WITHIN THE ARMED SERVICES; THE REQUISITES FOR MAINTAINING ADEQUATE NATIONAL SECURITY FORCES; AND POLITICAL, ECONOMIC AND SOCIAL CONSTRAINTS UPON THE NATIONAL DEFENSE STRUCTURE.
- AERO 3301 NATIONAL SECURITY FORCES IN CONTEMPORARY AMERICAN SOCIETY, (SPRING)
FOCUSING ON THE ARMED FORCES AS AN INTEGRAL ELEMENT OF SOCIETY, THIS COURSE PROVIDES AN EXAMINATION OF THE BROAD RANGE OF AMERICAN CIVIL-MILITARY RELATIONS AND THE ENVIRONMENTAL CONTEXT IN WHICH DEFENSE POLICY IS FORMULATED. SPECIAL THEMES INCLUDE: THE IMPACT OF TECHNOLOGICAL AND INTERNATIONAL DEVELOPMENTS UPON STRATEGIC PREPAREDNESS AND THE OVERALL DEFENSE POLICY-MAKING PROCESS.
- AERO 4300 THE PROFESSIONAL OFFICER (FALL)
A SEMINAR COURSE PERTAINING TO PROFESSIONALISM AND LEADERSHIP AS APPLICABLE TO THE JUNIOR OFFICER. INCLUDES THE MEANING OF PROFESSIONALISM, PROFESSIONAL RESPONSIBILITIES, AND THE MILITARY JUSTICE SYSTEM.
- AERO 4301 THE PROFESSIONAL OFFICER (SPRING)
A SEMINAR COURSE WHICH EXAMINES MANAGEMENT PRINCIPLES, FUNCTIONS, TOOLS AND PROBLEM SOLVING. INCLUDES STUDY AND PRACTICE IN THE USE OF AIR FORCE COMMUNICATIVE SKILLS.
- ANTH 1313 HUMAN ORIGINS AND THE HUMAN PAST. (SPRING)
AN INTRODUCTION TO HUMAN EVOLUTION AND THE PREHISTORIC DEVELOPMENT OF ARCHAIC CIVILIZATIONS. A SURVEY OF EARLY FOSSIL FORMS OF MAN AND AN INTRODUCTION TO THE BASIC THEORIES AND METHODS OF PREHISTORIC ARCHAEOLOGY.
- ANTH 1323 THE HUMAN PRESENT. (FALL)
AN INTRODUCTION TO CULTURAL ANTHROPOLOGY. MAJOR ASPECTS OF CULTURE (SOCIAL ORGANIZATION, ECONOMICS, RELIGION, ETC.), CULTURAL PATTERNS AND SOCIO-CULTURAL CHANGE ARE EMPHASIZED. (FORMERLY SOC. 2343. MAY NOT BE REPEATED FOR CREDIT.)
- ANTH 2344 CULTURES OF THE WORLD.
A COMPARATIVE STUDY OF THE FOLKWAYS AND LIFEWAYS OF PEOPLE AROUND THE WORLD. EMPHASIS IS ON METHODS AND THEORIES OF CROSS-CULTURAL ANALYSIS AND RESEARCH.
- ANTH 2353 INTRODUCTION TO FOLKLORE.
GENERAL INTRODUCTION INTO THE FIELD OF FOLKLORE DATA INCLUDING COLLECTION, PRESERVATION, ANALYSIS AND INTERPRETATION ACCORDING TO THE MAIN SOCIAL SCIENCE THEORIES OF FOLKLORE.

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MEDICINE AND MATERIAL CULTURE. MAY BE COUNTED AS ANTHROPOLOGY 2353 OR SOCIOLOGY 2353.

- ANTH 3345 RITUAL, BELIEF AND HEALING.
A SOCIO-CULTURAL ANALYSIS OF EXISTING MEDICAL SYSTEMS. BOTH MODERN MEDICAL SYSTEMS AND FOLK MEDICAL SYSTEMS WILL BE DISCUSSED, WITH SPECIAL EMPHASIS ON THE CURRENT SOCIAL SCIENCE THEORIES RELATING TO HEALTH AND HUMAN BEHAVIOR. MAY BE COUNTED AS SOCIOLOGY OR ANTHROPOLOGY.
PREREQUISITE: THREE HOURS OF SOCIOLOGY OR ANTHROPOLOGY OR CONSENT OF INSTRUCTOR.
- ANTH 3355 APPLIED ANTHROPOLOGY IN A CHANGING WORLD.
THE PRINCIPLES OF CULTURAL DYNAMICS. ANALYSIS OF THE SOURCES OF INNOVATION, RESISTANCE TO CHANGE AND THE CONSEQUENCE OF PLANNED CHANGE. EMPHASIS IS ON A CROSS CULTURAL PERSPECTIVE.
PREREQUISITE: THREE HOURS OF ANTHROPOLOGY OR SOCIOLOGY, OR PERMISSION OF INSTRUCTOR.
- ANTH 4345 ANTHROPOLOGICAL THEORY AND METHODOLOGY.
INSTRUCTION IN THE METHODOLOGY (INTERVIEWING, PARTICIPANT OBSERVATION, NETWORK ANALYSIS, ETC.) AND THEORETICAL PERSPECTIVES OF ANTHROPOLOGY.
PREREQUISITE: SIX HOURS OF ANTHROPOLOGY.
- ANTH 4387 SPECIAL SOCIO-CULTURAL ISSUES.
DESIGNED TO GIVE STUDENTS EXPERIENCE IN SIGNIFICANT SOCIO-CULTURAL ISSUES. PROJECTS AND OPPORTUNITIES ARE VARIED ACCORDING TO STUDENT INTEREST AND AVAILABILITY OF FACULTY. SEQUENTIAL REGISTRATION FOR UP TO NINE HOURS IS PERMITTED AS TOPICS VARY. MAY BE COUNTED AS ANTH.
4387, 4388, 4389 OR SOC. 4387, 4388, 4389.
PREREQUISITE: NINE HOURS OF SOCIOLOGY AND/OR ANTHROPOLOGY AND CONSENT OF INSTRUCTOR.
- ANTH 4388 SPECIAL SOCIO-CULTURAL ISSUES.
DESIGNED TO GIVE STUDENTS EXPERIENCE IN SIGNIFICANT SOCIO-CULTURAL ISSUES. PROJECTS AND OPPORTUNITIES ARE VARIED ACCORDING TO STUDENT INTEREST AND AVAILABILITY OF FACULTY. SEQUENTIAL REGISTRATION FOR UP TO NINE HOURS IS PERMITTED AS TOPICS VARY. MAY BE COUNTED AS ANTH.
4387, 4388, 4389 OR SOC. 4387, 4388, 4389.
PREREQUISITE: NINE HOURS OF SOCIOLOGY AND/OR ANTHROPOLOGY AND CONSENT OF INSTRUCTOR.
- ANTH 4389 SPECIAL SOCIO-CULTURAL ISSUES.
DESIGNED TO GIVE STUDENTS EXPERIENCE IN SIGNIFICANT SOCIO-CULTURAL ISSUES. PROJECTS AND OPPORTUNITIES ARE VARIED ACCORDING TO STUDENT INTEREST AND AVAILABILITY OF FACULTY. SEQUENTIAL REGISTRATION FOR UP TO NINE HOURS IS PERMITTED AS TOPICS VARY. MAY BE COUNTED AS ANTH.
4387, 4388, 4389 OR SOC. 4387, 4388, 4389.
PREREQUISITE: NINE HOURS OF SOCIOLOGY AND/OR ANTHROPOLOGY AND CONSENT OF INSTRUCTOR.
- ART 1101 INTRODUCTION TO ART MEDIA
THE STUDENT WILL BE ACQUAINTED WITH THE TECHNIQUES AND MATERIALS USED IN ART PROCESSES. A MAJOR PART OF THIS COURSE IS DIRECTED TOWARD TREATMENT OF EQUIPMENT. \$4.00 LAB FEE.
- ART 1301 ART APPRECIATION.
VALUES AND MEANINGS IN THE VISUAL ARTS. THIS IS A GENERAL ART LECTURE. COURSE CONCENTRATING ON DEVELOPMENT AND DIFFERENCES IN ARTISTIC STYLE.
- ART 1311 DRAWING I.
INTRODUCTION TO DRAWING, INCLUDING WORK IN A VARIETY OF DRAWING MEDIA. BASIC CONCEPTS ARE EXPLORED. \$4.00 LABORATORY FEE.
- ART 1312 DRAWING II.
CONTINUATION OF ART 1311 WITH PROBLEMS IN ILLUMINATION, FORESHORTENING,

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PERSPECTIVE AND CHIAROSCURO AS EXPRESSIVE CONCEPTS.
PREREQUISITE: ART 1311. \$4.00 LABORATORY FEE.

- ART 1331 DESIGN I.
PRINCIPLES OF DESIGN AND DEVELOPMENT OF DESIGN STRUCTURES ON TWO DIMENSIONAL SURFACES. \$4.00 LABORATORY FEE.
- ART 1332 LETTERING.
THE UNDERSTANDING OF CALLIGRAPHY AS A BASIS FOR USING CONTEMPORARY LETTER FORMS. INCLUDES STUDY OF AND PRACTICE OF TYPE SPECIFICATIONS, TYPE INTERPRETATION, FORMATS FOR LEGIBILITY, AND SYMBOL/WORD RELATIONSHIPS.
PREREQUISITE: ART 1331. \$4.00 LAB FEE.
- ART 2303 ART METALS I.
INSTRUCTION IS GIVEN IN THE USE OF HAND TOOLS, METALS HANDLING, AND CREATIVE USE OF SHOP EQUIPMENT. EMPHASIS IS ON CREATIVE ARTISTIC EXPRESSION FOCUSING ON JEWELRY AS A PORTABLE ART FORM. OTHER MATERIALS MAY BE CONSIDERED.
PREREQUISITE: ART 1331. \$4.00 LAB FEE.
- ART 2304 ART METALS II.
THE CONTINUANCE OF PORTABLE ART INCLUDES TECHNIQUES SUCH AS STONE SETTING, PLASTICS, FABRICATION AND CASTING. STUDENTS ARE ADVISED IN PREPARATION OF PORTFOLIO PRESENTATION.
PREREQUISITE: ART 2303. \$4.00 LAB FEE.
- ART 2312 DRAWING III
THE HUMAN FIGURE AS EXPRESSIVE SUBJECT MATTER IN DRAWING.
PREREQUISITE: ART 1311. \$4.00 LABORATORY FEE.
- ART 2313 TECHNICAL DRAWING.
TWO-DIMENSIONAL REPRESENTATIONS OF THREE-DIMENSIONAL OBJECTS FOR MACHINING OR CONSTRUCTION; USE OF DRAWING TOOLS, ORTHOGRAPHIC PROJECTION, DIMENSIONING AND PERSPECTIVE. \$4.00 LAB FEE.
- ART 2321 PAINTING I.
INTRODUCTION TO PAINTING, INVOLVING INDIVIDUAL DEVELOPMENT AND INVENTION USING WATERCOLOR AND ACRYLIC
PREREQUISITE: ART 1311 AND 1331. \$4.00 LABORATORY FEE.
- ART 2322 PAINTING II.
WATERCOLOR IS CONTINUED WITH GOACHE AND CASE IN TECHNIQUES.
PREREQUISITE: ART 2321. \$4.00 LABORAORY FEE.
- ART 2332 DESIGN II
THREE DIMENSIONAL DESIGN INCLUDES INVESTIGATION INTO THE PHENOMENA EXISTING IN THE THREE DIMENSIONAL ARTS. A VARIETY OF MATERIALS HANDLING AND CREATIVE METHODS FOR THE PURPOSES OF CREATING A THREE DIMENSIONAL FORM ARE CONSIDERED.
PREREQUISITE: ART 1331. \$4.00 LABORATORY FEE.
- ART 2333 ADVERTISING DESIGN
DEVELOPING GRAPHIC IMAGES FROM WORDS AND PREPARING THEM FOR MASS DUPLICATION.
PREREQUISITE: ART 1331, 1332. \$4.00 LABORATORY FEE.
- ART 2334 PHOTOGRAPHY AS AN ART FORM
INTRODUCTION TO PHOTOGRAPHY AS A MEANS OF PERSONAL EXPRESSION. THE HISTORY OF PHOTOGRAPHY AS AN ART FORM IS INCLUDED; EMPHASIS IS ON BLACK AND WHITE PROCESSES. STUDENTS MUST FURNISH THEIR OWN CAMERAS.
PREREQUISITE: ART 1331. \$4.00 LABORATORY FEE.

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- ART 2335 ADVERTISING ART II.
EXPLORATION OF PRODUCTION IN VARIOUS ADVERTISING MEDIA; INCREASED FAMILIARITY WITH TYPE SPECIFICATION AND APPLIED DESIGN. MAY ALSO INCLUDE WORK IN THE FIELD.
PREREQUISITE: ART 2333. 4.00 LAB FEE.
- ART 2336 INTERIOR DESIGN I.
LECTURE COURSE PROVIDING INFORMATION INCLUDING OPPORTUNITIES OPEN TO THE INTERIOR DESIGNER, COMPETENCIES NEEDED, AND AN EXPLORATION OF DESIGN AS IT RELATES TO LIVING AND WORKING ENVIRONMENTS.
PREREQUISITES: ART 1311, 1331.
- ART 2337 FABRICS I.
A STUDY OF THE PROPERTIES AND APPLICATIONS OF MATERIALS USED IN INTERIOR SPACES.
PREREQUISITES: ART 1311, 1331. \$4.00 LAB FEE.
- ART 2338 FABRICS II.
FURTHER DEVELOPMENT OF FABRICS I WITH INCREASED EMPHASIS UPON APPLICATION.
PREREQUISITE: ART 2337. \$4.00 LAB FEE.
- ART 2341 SCULPTURE I.
INTRODUCTORY COURSE IN SCULPTURAL CONCEPTS THROUGH BASIC SCULPTURAL MEDIA.
PREREQUISITE: ART 2332. \$4.00 LABORATORY FEE.
- ART 2342 SCULPTURE II.
CONTINUATION OF ART 2341 WITH EMPHASIS ON INDIVIDUAL DEVELOPMENT.
PREREQUISITE: ART 2341. \$4.00 LABORATORY FEE.
- ART 2361 PRINTMAKING I.
INTRODUCTION TO PRINTMAKING WITH CONCENTRATION ON INTAGLIO PROCESSES.
PREREQUISITE: ART 1311 AND 1331. \$4.00 LABORATORY FEE.
- ART 2362 PRINTMAKING II.
INTRODUCTION TO COLOR WITH CONTINUATION OF INTAGLIO AND RELIEF PRINTING SYSTEMS.
PREREQUISITE: ART 2361. \$4.00 LABORATORY FEE.
- ART 2371 CERAMICS I.
INTRODUCTION TO CERAMIC DESIGN CONCENTRATING ON HANDBUILDING. SOME WORK WITH POTTER'S WHEEL, GLAZING AND FIRING. \$4.00 LABORATORY FEE.
- ART 2373 CERAMICS II.
EMPHASIS ON BASIC WHEEL THROWN SHAPES AND INTRODUCTION TO GLAZE CALCULATION.
PREREQUISITE: ART 2371. \$4.00 LABORATORY FEE.
- ART 3303 ART METALS III (METALSMITHING).
INTRODUCTION OF TECHNIQUES IN SILVERSMITHING SUCH AS RAISING, FABRICATING, SMITHING AND CASTING. THESE ARE PURSUED IN THE PRODUCTION OF EXPRESSIVE HOLLOWARE. ADDITIONAL MATERIALS ARE CONSIDERED.
PREREQUISITE: ART 2304. \$4.00 LAB FEE.
- ART 3304 ART METALS IV (METALSMITHING).
CONTINUED EXPLORATION OF METALSMITHING TECHNIQUES. DIE FORMING, ELECTROFORMING, AND MACHINING ARE INCLUDED.
PREREQUISITE: ART 3303. \$4.00 LAB FEE.
- ART 3321 PAINTING III.
PROBLEMS IN COMPOSITION: FIGURE, LANDSCAPE, ABSTRACT USING OIL/ACRYLIC.
PREREQUISITE: ART 1311 AND 1331. \$4.00 LABORATORY FEE.

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- ART 3322 PAINTING IV.
CONTINUATION OF ART 3321 MOVING TOWARD INDIVIDUAL EXPRESSION IN OIL/
ACRYLIC.
PREREQUISITE: ART 3321. \$4.00 LABORATORY FEE.
- ART 3323 SCENIC DESIGN AND LIGHTING.
SELF DRAMA 3321 FOR COURSE DESCRIPTION. ESPECIALLY RECOMMENDED TO ART
MAJORS AND MINORS WHO ARE INTERESTED IN ACQUIRING FACILITY IN SCENIC
DESIGN AND BASIC STAGE LIGHTING. CREDIT MAY NOT BE OBTAINED FOR
BOTH DRAMA 3321 AND ART 3323.
- ART 3341 SCULPTURE III.
INTERMEDIATE COURSE EMXHASIZING INCREASED PERSOANL DEVELOPMENT THROUGH
THE USE OF METAL; WELDING AND CASTING.
PREREQUISITE: ART 2342. \$4.00 LABORATORY FEE.
- ART 3342 SCULPTURE IV.
PROBLEMS IN SCULPTURE. VARIETY IN MATERIALS AND TECHNIQUES.
PREREQUISITE: ART 3341. \$4.00 LABORATORY FEE.
- ART 3350 ART SURVEY.
HISTORICAL SURVEY OF THE VISUAL ARTS FROM PALEOLITHIC TO MODERN TIMES.
- ART 3351 MEDIEVAL AND RENAISSANCE ART
ART HISTORY BEGINNING WITH THE CHRISTIAN ERA AFTER THE FALL OF ROME,
THROUGH THE BYZANTINE, ROMANESQUE, GOTHIC, RENAISSANCE, BAROQUE AND
ROCOOCO STYLES.
PREREQUISITE: ART 3350.
- ART 3352 CONTEMPORARY ART.
ART HISTORY FROM THE 19TH CENTURY IN EUROPE UNTIL MODERN TIMES.
DEVELOPMENT AND GROWTH OF TODAY'S ARTS AND AESTHETICS.
- ART 3353 ART OF THE ANCIENT WORLD
AN IN-DEPTH HISTORICAL STUDY OF ART STYLES FROM 5,000 B.C. TO 325 A.D.
PREREQUISITE: ART 3350.
- ART 3361 PRINTMAKING III.
INTRODUCTION TO SERIGRAPHY.
PREREQUISITE: ART 2362. \$4.00 LABORATORY FEE.
- ART 3363 PRINTMAKING IV.
INTRODUCTION TO LITHOGRAPHY.
PREREQUISITE: ART 3361. \$4.00 LABORATORY FEE.
- ART 3371 CERAMICS III
CONCENTRATED WORK ON POTTER'S WHEEL AND ADVANCED HANDBUILDING
TECHNIQUES. FURTHER INSTRUCTION IN GLAZE FORMULATION.
PREREQUISITE: ART 2373. \$4.00 LABORATORY FEE.
- ART 3372 CERMAMICS IV.
COMBINING HANDBUILT AND THROWN FORMS, AND ENCOURAGEMENT OF PERSONAL
DIRECTION.
PREREQUISITE: ART 3371. \$4.00 LABORATORY FEE.
- ART 3381 PERCEPTION AND EXPRESSION IN ART I.
A COURSE DESIGNED TO STRENGTHEN VISUAL PERCEPTION AND DIVERGENT THINKING
THROUGH VISUAL AND CONCEPTUAL STIMULI WITH PRIMARY EMPHASIS ON STUDIO
ACTIVITIES FOR PROSPECTIVE TEACHERS OF ELEMENTARY ART.
PREREQUISITE: JUNIOR STANDING.

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- ART 3382 PERCEPTION AND EXPRESSION IN ART II, EMPHASIS ON FURTHER STUDIES DEVELOPMENT IN DEPTH AND ON CURRICULUM DEVELOPMENT FOR TEACHERS OF UPPER ELEMENTARY AND MIDDLE SCHOOL ART. PREREQUISITE: ART 3381 OR PERMISSION OF INSTRUCTOR.
- ART 3383 ART IN THE SECONDARY SCHOOL. SURVEY OF VISUAL EDUCATION AT THE SECONDARY LEVEL. REQUIRED FOR TEACHING ART IN THE JUNIOR AND SENIOR HIGH SCHOOL. PREREQUISITE: JUNIOR STANDING.
- ART 4301 PHILOSOPHIES OF ART. SEE PHILOSOPHY 4301 FOR COURSE DESCRIPTION. MAY BE COUNTED AS MUSIC OR ART OR PHILOSOPHY.
- ART 4321 PAINTING V. PERSONAL EXPRESSION THROUGH THE USE OF A VARIETY OF PAINTING MEDIA. PREREQUISITE: ART 3322. \$4.00 LABORATORY FEE.
- ART 4322 PAINTING VI. CONTINUATION OF ART 4321 WITH DIRECTION INTO EXPERIMENTAL PAINTING MEDIA. PREREQUISITE: ART 4321. 4.00 LABORATORY FEE.
- ART 4341 SCULPTURE V. EXPLORATION OF EXPERIMENTAL MATERIALS INCLUDING ELECTRONICS AND KINETIC ART FORMS. PREREQUISITE: ART 3342. \$4.00 LABORATORY FEE.
- ART 4342 SCULPTURE VI. CONTINUATION OF ART 4341. PREREQUISITE: ART 4341. \$4.00 LABORATORY FEE.
- ART 4351 LATIN AMERICAN ART: PRE-CONQUEST. AN IN-DEPTH HISTORICAL STUDY OF THE ARTS OF MEXICO, CENTRAL AND SOUTH AMERICA PRIOR TO THE SPANISH CONQUEST. PREREQUISITE: ART 3350.
- ART 4352 LATIN AMERICAN ART: POST-CONQUEST. MEXICAN ART UNDER THE SPANISH INFLUENCE IS DISCUSSED FROM THE COLONIAL PERIOD TO THE PRESENT.
- ART 4353 AMERICAN ART. HISTORY OF THE VISUAL ARTS IN THE UNITED STATES; 17TH CENTURY TO THE PRESENT, INCLUDING THE ART OF THE AMERICAN INDIAN. PREREQUISITE: ART 3350.
- ART 4361 PRINTMAKING V. ADVANCED PRINTMAKING EMPHASIZING EXPERIMENTAL TECHNIQUES AND INDIVIDUAL DIRECTION. PREREQUISITE: ART 3363. \$4.00 LABORATORY FEE.
- ART 4362 PRINTMAKING VI. CONTINUATION OF ART 4361. PREREQUISITE: ART 4361. \$4.00 LABORATORY FEE.
- ART 4371 CERAMICS V. INDIVIDUAL DIRECTION AND GLAZE EXPERIMENTATION. PREREQUISITE: ART 3372. \$4.00 LABORATORY FEE.
- ART 4372 CERAMICS VI.

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CONTINUATION OF ART 4371.
PREREQUISITE: ART 4371. \$4.00 LABORATORY FEE.

ART 4383 RESEARCH IN TEACHING SECONDARY ART.
METHODS FOR TEACHING CREATIVE ART IN THE JUNIOR AND SENIOR HIGH SCHOOL.
PREREQUISITE: ART 3383.

ART 4391 INDIVIDUAL PROBLEMS.
ADVANCED PROBLEMS IN AN AREA OF THE STUDENT'S CHOICE: PAINTING,
DRAWING, SCULPTURE, CRAFTS, PRINTMAKING, ART EDUCATION, ART HISTORY.
PREREQUISITE: ALL COURSES IN THE AREA OF CHOICE.

ART 4392 INDIVIDUAL PROBLEMS.
ADVANCED PROBLEMS IN AN AREA OF THE STUDENT'S CHOICE.
PREREQUISITE: ART 4391.

ART 5323 PROJECTS IN LIGHT AND DESIGN.
STUDENTS ARE GIVEN PROJECTS IN SCENIC DESIGN AND STAGE LIGHTING FOR
STUDIO THEATRE-PRODUCED PLAYS OR FOR ONE OF THE SEMESTER'S MAJOR
PRODUCTIONS BY THE DRAMA DEPARTMENT. PREVIOUS EXPERIENCE REQUIRED.
CREDIT MAY NOT BE OBTAINED FOR BOTH ART 5323 AND DRAM 5321.

ART 5352 SEMINAR IN MEXICAN ART
A RESEARCH SEMINAR DESIGNED AROUND SELECTED AREAS OF MEXICAN ART.

ART 5383 SEMINAR IN ART EDUCATION
ISSUES IN ART EDUCATION WILL BE DISCUSSED IN CONJUNCTION WITH
METHODS OF RESEARCH AND WRITING ABOUT ART. INDEPENDENT DIRECTIONS
WITHIN THIS FRAMEWORK WILL BE ENCOURAGED.

ASTR 1401 GENERAL ASTRONOMY.
A STUDY OF BASIC CONCEPTS IN ASTRONOMY AND OF THE SOLAR SYSTEM.
TELESCOPES AND OTHER INSTRUMENTS, INCLUDING THE PLANETARIUM, ARE USED
AS AN INTEGRAL PART OF THE COURSE. THREE HOURS LECTURE AND THREE HOURS
LABORATORY. \$4.00 LABORATORY FEE.

ASTR 1402 GENERAL ASTRONOMY.
A STUDY OF THE STELLAR UNIVERSE. TELESCOPES AND OTHER INSTRUMENTS,
INCLUDING THE PLANETARIUM, ARE USED AS AN INTEGRAL PART OF THE COURSE.
THREE HOURS LECTURE AND THREE HOURS LABORATORY. \$4.00 LABORATORY FEE.
PREREQUISITES: EIGHT HOURS OF ASTRONOMY (OR MATHEMATICS OR PHYSICS
INCLUDED). THREE HOURS LECTURE.

B A 1331 INTRODUCTION TO BUSINESS. (FALL, SPRING, SUMMER)
A SURVEY OF THE FIELD OF BUSINESS AND INDUSTRY IN OUR ECONOMIC SYSTEM.
BASIC PRINCIPLES OF BUSINESS ORGANIZATION AND THE FORMATION AND
OPERATION OF THE SEVERAL DIVISIONS OF A BUSINESS CONCERN; FINANCE,
PRODUCTION, MARKETING AND PERSONNEL. DESIGNED TO ACQUAINT THE
BEGINNING STUDENT WITH THE PROBLEMS, PROCEDURES AND PRACTICES OF MODERN
BUSINESS. RECOMMENDED ONLY FOR FRESHMEN AND SOPHOMORES.

B A 1381 PERSONAL FINANCE. (FALL, SPRING)
PERSONAL INCOME, BUDGETING AND CONSUMER CREDIT PROBLEMS. DEVELOPMENT
OF PLANS FOR PURCHASING INSURANCE, REAL ESTATE AND SECURITIES.
TAXATION AS IT AFFECTS THE INDIVIDUAL'S INCOME, ASSETS AND ESTATE IS
STUDIED.

B A 2373 PRINCIPLES OF SALESMANSHIP. (OFFERED ON DEMAND)
MODERN SALESMANSHIP, THE PRODUCT, THE BUYER, PLANNING THE PRESENTATION,
MEETING THE PROSPECT, THE INTERVIEW, OVERCOMING RESISTANCE, CLOSING THE
SALE, BUILDING GOOD WILL, PRACTICAL APPLICATIONS OF SELLING IN THE FORM
OF STRUCTURED CLASS PARTICIPATION.
PREREQUISITE: SOPHOMORE STANDING.

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- B A 3315 SEMINAR: TEACHING BUSINESS SUBJECTS. (SPRING)**
EXPLORES THE METHODS AND TECHNIQUES OF TEACHING ALL BUSINESS SUBJECTS. IN ADDITION, THE PSYCHOLOGICAL ASPECTS OF LEARNING ARE REVIEWED AND APPLIED TO THE TEACHING PROCESS. DESIGNED FOR THE BUSINESS STUDENT WHO IS PREPARING TO TEACH AT THE SECONDARY OR POST-SECONDARY LEVEL.
PREREQUISITE: ADVANCED STANDING.
- B A 3335 BUSINESS COMMUNICATIONS. (FALL, SPRING, SUMMER)**
A SYSTEMS APPROACH TO INFORMATION PROCESSING WHICH CONCERNS ITSELF WITH THE PSYCHOLOGICAL AND PRACTICAL ASPECTS OF READING, WRITING, SPEAKING AND LISTENING. RESEARCH, BOTH APPLIED AND EXPERIMENTAL, IN COMMUNICATIONS IS A BASIC INGREDIENT OF THIS COURSE. THE AREAS OF KINETIC AND MENTAL COMMUNICATION ARE ALSO EXPLORED.
PREREQUISITES: SATISFACTION OF GENERAL REQUIREMENTS FOR FRESHMAN ENGLISH; ABILITY TO USE THE TYPEWRITER AND ADVANCED STANDING.
- B A 3337 BUSINESS LAW I. (FALL, SPRING, SUMMER)**
HISTORICAL BACKGROUND AND RULE OF LAW IN BUSINESS AND SOCIETY; LEGAL REASONING; PARTICULAR EMPHASIS ON CONTRACTS, AGENCY, PROPERTY AND THE COMMERCIAL CODE.
PREREQUISITE: ADVANCED STANDING.
- B A 3338 BUSINESS LAW II. (SPRING)**
A CONTINUATION AND EXPANSION OF THE STUDY OF RULES OF LAW IN A BUSINESS SOCIETY; BUSINESS ORGANIZATIONS; SECURED TRANSACTIONS; REAL PROPERTY; WILLS AND TRUSTS; CONSUMER PROTECTION; BANKRUPTCY.
PREREQUISITES: B.A. 3337.
- B A 3341 ELEMENTARY BUSINESS AND ECONOMIC STATISTICS. (FALL, SPRING, SUMMER)**
COLLECTION, CLASSIFICATION, DESCRIPTION AND PRESENTATION OF NUMERICAL DATA. FREQUENCY DISTRIBUTIONS, AVERAGES, DISPERSION, PROBABILITY AND STATISTICAL INFERENCE. MAY BE COUNTED AS BUSINESS ADMINISTRATION OR ECONOMICS.
PREREQUISITES: 6 SEMESTER HOURS OF MATHEMATICS, ADVANCED STANDING.
- B A 3342 INTERMEDIATE BUSINESS AND ECONOMIC STATISTICS. (FALL, SPRING, SUMMER)**
A CONTINUATION OF ELEMENTARY STATISTICS, INCLUDING REGRESSION AND CORRELATION, INDEX NUMBERS, TIME SERIES, NONPARAMETRIC STATISTICS AND OTHER DECISION-MAKING TOOLS. MAY BE COUNTED AS BUSINESS ADMINISTRATION OR ECONOMICS.
PREREQUISITE: B.A. 3341 OR ECO. 3341, AND C.S. 1309.
- B A 3356 BUSINESS ENTERPRISE AND PUBLIC POLICY. (FALL)**
THE NATURE, SCOPE AND EFFECT ON THE BUSINESS COMMUNITY OF GOVERNMENTAL INVOLVEMENT AND REGULATION IN THE FUNCTIONING OF THE ECONOMY. EMPHASIS IS ON THE IMPACT OF FEDERAL LEGISLATION AS IT PERTAINS TO ANTI-TRUST ENFORCEMENT AND THE MAINTENANCE OF COMPETITION, THE REGULATION OF PUBLIC UTILITIES AND INTER-REGIONAL TRANSPORT, AGRICULTURAL ADJUSTMENT LABOR RELATIONS AND PUBLIC OWNERSHIP. DESIGNED TO GIVE A BROAD UNDERSTANDING OF THE MANY WAYS IN WHICH BUSINESS AND ECONOMIC LIFE ARE SHAPED AND INFLUENCED BY GOVERNMENT. MAY BE COUNTED AS BUSINESS ADMINISTRATION OR ECONOMICS.
PREREQUISITE: ADVANCED STANDING.
- B A 3361 PRINCIPLES OF MANAGEMENT. (FALL, SPRING, SUMMER)**
MANAGEMENT FUNCTIONS AND PROCESSES WHICH HAVE GENERAL APPLICABILITY TO ALL TYPES OF ENTERPRISES. EMPHASIS IS PLACED ON APPLICABILITY TO THE MAJOR FUNCTIONAL BUSINESS AREAS OF PRODUCTION, MARKETING AND FINANCE. INTRODUCTION TO BASIC MANAGEMENT PHILOSOPHY AND DECISION-MAKING PROCESSES; STUDY OF THE PRINCIPLES INVOLVED IN CARRYING OUT

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MANAGERIAL FUNCTIONS.
PREREQUISITE: ADVANCED STANDING.

- B A 3362 PERSONNEL MANAGEMENT. (SPRING)
CURRENT DEVELOPMENTS WITHIN THE FIELD OF PERSONNEL ADMINISTRATION; A STUDY OF CONCEPTS, PRINCIPLES, POLICIES AND ORGANIZATIONAL PROCEDURES UTILIZED BY BUSINESS INSTITUTIONS IN THE MANAGEMENT OF PERSONNEL; SELECTION, PLACEMENT, COMPENSATION MORALE, LABOR TURNOVER, COLLECTIVE BARGAINING, EMPLOYEE SERVICE AND SUPERVISORY ACTIVITIES.
PREREQUISITES: B.A. 3361, OR CONSENT OF THE INSTRUCTOR AND ADVANCED STANDING.
- B A 3363 PRODUCTION MANAGEMENT. (SPRING)
THE CONCEPT OF THE PRODUCTION FUNCTION AND ITS APPLICABILITY TO ALL TYPES OF BUSINESS FIRMS; PROBLEMS WHICH PROVIDE BACKGROUND FOR THE INTEGRATION OF SCIENTIFIC DECISION PROCESSES RELATIVE TO AN ANALYSIS OF PRODUCTION ACTIVITIES.
PREREQUISITES: JUNIOR STANDING.
- B A 3365 URBAN MASS TRANSPORTATION PLANNING AND MANAGEMENT. (OFFERED ON DEMAND)
A BROAD STUDY OF CONTEMPORARY PROBLEMS OF URBAN MASS TRANSPORTATION. THE MANAGEMENT OF MASS TRANSIT SYSTEMS WILL BE ANALYZED. ECONOMIC, ECOLOGICAL AND CULTURAL FACTORS WILL BE EMPHASIZED IN AN EVALUATION OF CURRENT PROBLEMS AND ALTERNATIVE SOLUTIONS.
PREREQUISITE: ADVANCED STANDING.
- B A 3371 PRINCIPLES OF MARKETING. (FALL, SPRING, SUMMER)
THE MARKETING STRUCTURE AS IT OPERATES IN OUR ECONOMIC SYSTEM, WITH EMPHASIS ON IMPROVING THE FLOW OF GOODS AND SERVICES FROM PRODUCER TO CONSUMER. PRACTICAL APPLICATION OF PRINCIPLES AND TECHNIQUES. DESIGNED AS A BEGINNING COURSE IN MARKETING.
PREREQUISITE: ADVANCED STANDING.
- B A 3375 RETAILING. (FALL)
PRINCIPLES AND METHODS OF MODERN RETAILING. EMPHASIS ON PROBLEMS OF STORE LOCATION AND LAYOUT, BUYING, PRICING, CREDIT, STOCK CONTROL, PERSONNEL AND SALES PROMOTION. DESIGNED FOR STUDENTS WHO WISH TO GAIN A GENERAL KNOWLEDGE OF THE RETAIL FIELD AS WELL AS THOSE SPECIALIZING IN MARKETING.
PREREQUISITE: ADVANCED STANDING AND B.A. 3371.
- B A 3377 MARKETING MANAGEMENT. (SPRING)
EMPHASIS ON ACQUIRING A KNOWLEDGE OF VARIOUS TOOLS AND MODELS THAT ARE USEFUL IN ASSISTING THE MARKETING MANAGER IN HIS DECISION-MAKING PROCESS. ALL AREAS OF MARKETING ARE DISCUSSED WITHIN THE DECISION-MAKING FRAMEWORK, WITH PRACTICAL APPLICATION OF TECHNIQUES EMPHASIZED.
PREREQUISITES: B.A. 3371 AND ADVANCED STANDING.
- B A 3382 INVESTMENT PRINCIPLES. (FALL)
ANALYSIS AND VALUATION OF INVESTMENT SECURITIES OF CORPORATIONS AND GOVERNMENTAL AGENCIES; THE PURCHASE AND SALE OF SECURITIES THROUGH BROKERAGE HOUSES AND INVESTMENT BANKING FIRMS WILL BE STUDIED.
PREREQUISITE: ADVANCED STANDING
- B A 3383 MANAGERIAL FINANCE. (FALL, SPRING, SUMMER)
THE FINANCE FUNCTION IN THE FIRM AND THE SPECIFIC RESPONSIBILITIES OF THE FIRM'S FINANCIAL MANAGER. EMPHASIS IS ON FINANCIAL DECISIONS, BOTH THOSE AFFECTING THE INTERNAL MANAGEMENT OF THE FIRM AND THOSE CONCERNED WITH THE ACQUISITION OF NEW ASSETS AND FUNDS.
PREREQUISITES: B.A. 2322 AND ADVANCED STANDING.
- B A 3384 FUNDAMENTALS OF REAL ESTATE. (FALL)
PHYSICAL AND ECONOMIC CHARACTERISTICS OF REAL ESTATE, APPLICABLE LAW,

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TAXATION, APPRAISAL, MARKETING AND FINANCE.

- B A 3385 PRINCIPLES OF INSURANCE. (SPRING)**
 IDENTIFICATION AND CONTROL OF RISKS FACING THE INDIVIDUAL AND THE BUSINESS FIRM, AND THE USE OF INSURANCE AND OTHER MECHANISMS IN DEALING WITH THEM. RISK ANALYSIS, LOSS PREVENTION, PERSONAL AND PROPERTY INSURANCE; INSURANCE PROGRAMS AND ESTATE PLANS.
 PREREQUISITE: ADVANCED STANDING.
- B A 3386 FINANCIAL INSTITUTIONS AND MARKETS. (OFFERED ON DEMAND)**
 THE DYNAMICS OF FINANCIAL MARKETS AND THEIR INTERACTION WITH SUPPLIERS OF FUNDS, PARTICULARLY FINANCIAL INTERMEDIARIES.
 PREREQUISITES: SIX SEMESTER HOURS EACH OF ACCOUNTING AND ECONOMICS.
- B A 3390 PUBLIC FINANCE. (OFFERED ON DEMAND)**
 PUBLIC EXPENDITURES; THEIR NATURE, CHANGES AND CLASSIFICATIONS, SOURCES OF PUBLIC REVENUES; DEBT MANAGEMENT; INTRODUCTION OF FISCAL THEORY AND POLICY. MAY BE COUNTED AS BUSINESS ADMINISTRATION OR ECONOMICS.
 PREREQUISITES: SIX SEMESTER HOURS EACH OF ACCOUNTING AND ECONOMICS.
- B A 4332 HUMAN RELATIONS IN MANAGEMENT. (FALL, SPRING, SUMMER)**
 THE THEORY AND APPLICATION OF BEHAVIORAL SCIENCES TO THE HUMAN ELEMENT IN ORGANIZATIONS. INDIVIDUAL BEHAVIOR AND MOTIVATION, AS WELL AS SMALL GROUP INTERACTION IN ORGANIZATIONS, IS EMPHASIZED. THE HUMAN RESOURCE IS PORTRAYED AS A VITAL COMPLEX FACTOR IN MANAGEMENT.
 PREREQUISITE: SENIOR STANDING AND B.A. 3361
- B A 4345 BUSINESS APPLICATIONS AND RESEARCH. (FALL AND SPRING)**
 DESIGNED TO GIVE STUDENTS PROFESSIONAL EXPERIENCE IN ACTUAL BUSINESS SITUATIONS OR APPLIED RESEARCH INTO BUSINESS OR ECONOMIC PROBLEMS. PROJECTS AND OPPORTUNITIES FOR SUCH EXPERIENCE ARE VARIED AND CHANGE FROM SEMESTER TO SEMESTER. SEQUENTIAL REGISTRATION FOR UP TO TWELVE SEMESTER HOURS IS PERMITTED AS TOPICS VARY. MAY BE COUNTED AS BUSINESS ADMINISTRATION OR ECONOMICS.
 PREREQUISITE: ADVANCED STANDING AND CONSENT OF INSTRUCTOR.
- B A 4346 BUSINESS APPLICATIONS AND RESEARCH. (FALL AND SPRING)**
 DESIGNED TO GIVE STUDENTS PROFESSIONAL EXPERIENCE IN ACTUAL BUSINESS SITUATIONS OR APPLIED RESEARCH INTO BUSINESS OR ECONOMIC PROBLEMS. PROJECTS AND OPPORTUNITIES FOR SUCH EXPERIENCE ARE VARIED AND CHANGE FROM SEMESTER TO SEMESTER. SEQUENTIAL REGISTRATION FOR UP TO TWELVE SEMESTER HOURS IS PERMITTED AS TOPICS VARY. MAY BE COUNTED AS BUSINESS ADMINISTRATION OR ECONOMICS.
 PREREQUISITES: ADVANCED STANDING AND CONSENT OF INSTRUCTOR.
- B A 4347 BUSINESS APPLICATIONS AND RESEARCH. (FALL AND SPRING)**
 DESIGNED TO GIVE STUDENTS PROFESSIONAL EXPERIENCE IN ACTUAL BUSINESS SITUATIONS OR APPLIED RESEARCH INTO BUSINESS OR ECONOMIC PROBLEMS. PROJECTS AND OPPORTUNITIES FOR SUCH EXPERIENCE ARE VARIED AND CHANGE FROM SEMESTER TO SEMESTER. SEQUENTIAL REGISTRATION FOR UP TO TWELVE SEMESTER HOURS IS PERMITTED AS TOPICS VARY. MAY BE COUNTED AS BUSINESS ADMINISTRATION OR ECONOMICS.
 PREREQUISITES: ADVANCED STANDING AND CONSENT OF INSTRUCTOR.
- B A 4348 BUSINESS APPLICATIONS AND RESEARCH. (FALL AND SPRING)**
 DESIGNED TO GIVE STUDENTS PROFESSIONAL EXPERIENCE IN ACTUAL BUSINESS SITUATIONS OR APPLIED RESEARCH INTO BUSINESS OR ECONOMIC PROBLEMS. PROJECTS AND OPPORTUNITIES FOR SUCH EXPERIENCE ARE VARIED AND CHANGE FROM SEMESTER TO SEMESTER. SEQUENTIAL REGISTRATION FOR UP TO TWELVE SEMESTER HOURS IS PERMITTED AS TOPICS VARY. MAY BE COUNTED AS BUSINESS ADMINISTRATION OR ECONOMICS.
 PREREQUISITES: ADVANCED STANDING AND CONSENT OF INSTRUCTOR.
- B A 4361 HUMAN BEHAVIOR IN ORGANIZATION (OFFERED ON DEMAND)**
 DEVELOPMENT OF MANAGEMENT THEORY WITH EMPHASIS ON THE INVESTIGATION OF INDIVIDUAL AND GROUP BEHAVIOR IN ORGANIZATIONS.

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PREREQUISITE: B.A. 3361 AND SENIOR STANDING.

- B A 4363 QUANTITATIVE TECHNIQUES IN THE PRODUCTION PROCESS (OFFERED ON DEMAND)**
THE PRODUCTION MANAGEMENT PROCESS AND THE APPLICATION OF QUANTITATIVE ANALYSIS AND METHODOLOGY IN THE SOLUTION OF PRODUCTION PROBLEMS.
PREREQUISITES: B A 3363 AND B A 3342.
- B A 4364 SOCIETAL PROBLEMS IN BUSINESS (OFFERED ON DEMAND)**
THE BEHAVIOR AND SOCIAL RESPONSIBILITIES OF BUSINESS FIRMS AND OTHER BUSINESS INSTITUTIONS IN MODERN SOCIETY.
PREREQUISITE: SENIOR STANDING.
- B A 4367 INTERNATIONAL BUSINESS OPERATIONS. (OFFERED ON DEMAND)**
AN ANALYSIS OF PROBLEMS OF MANAGEMENT OF BUSINESSES ENGAGED IN INTERNATIONAL OPERATIONS WITH PARTICULAR EMPHASIS ON LATIN AMERICA. CASE STUDIES WILL BE UTILIZED.
PREREQUISITE: ADVANCED STANDING.
- B A 4369 BUSINESS POLICY. (FALL, SPRING, SUMMER)**
A BROAD COURSE IN BUSINESS MANAGEMENT DESIGNED TO INTEGRATE EARLIER STUDIES IN BUSINESS. COMPREHENSIVE CASE PROBLEMS ARE STUDIED, WITH STUDENT PARTICIPATION IN DECISION MAKING RELATED TO BUSINESS OPERATIONS UNDER CONDITIONS OF UNCERTAINTY. A COMPUTERIZED BUSINESS SIMULATION PROVIDES FOR DECISION MAKING UNDER DYNAMIC CONDITIONS.
PREREQUISITES: ACC. 2322, B.A. 3341, 3361, 3371, 3383 AND SENIOR STANDING.
- B A 4372 MASS MEDIA ADVERTISING (OFFERED ON DEMAND)**
ANALYSIS AND APPLICATION OF ADVERTISING AND SALES PROMOTION METHODS THROUGH MASS COMMUNICATIONS. MANAGEMENT TECHNIQUES UTILIZED IN THE PROMOTION OF WIDELY DISTRIBUTED PRODUCTS AND SERVICES.
PREREQUISITE: B.A. 3371 AND SENIOR STANDING.
- B A 4378 MARKETING RESEARCH. (FALL, SPRING)**
QUANTITATIVE RESEARCH PROCEDURES AND TECHNIQUES UTILIZED IN BUSINESS TODAY. PROBLEM DEFINITION, SOURCES OF RESEARCH DATA, SURVEY METHODS, QUESTIONNAIRE DESIGN AND SAMPLING TECHNIQUES. PRACTICAL APPLICATION OF PROCEDURES AND TECHNIQUES IS EMPHASIZED THROUGH CLASS RESEARCH PROJECTS.
PREREQUISITES: ECO. 2352, B.A. 3341 OR ECO. 3341, B.A. 3371 AND SENIOR STANDING.
- B A 4383 ADVANCED MANAGERIAL FINANCE. (OFFERED ON DEMAND)**
CONSIDERS THE COMMITMENT OF FUNDS TO ASSET PURCHASES AND THE MEASURING AND INFLUENCING OF COST OF CAPITAL. EMPHASIZES THE DEVELOPMENT OF TOOLS AND TECHNIQUES UTILIZING QUANTITATIVE METHODS FOR THE ANALYTICAL STUDY OF FINANCIAL ADMINISTRATION AND APPLICATIONS IN THE MAJOR PROBLEM AREAS OF CORPORATE FINANCE.
PREREQUISITE: B.A. 3383.
- B A 5361 MANAGEMENT THEORY AND ORGANIZATIONAL BEHAVIOR**
AN ANALYSIS OF FORMAL ORGANIZATIONAL THEORY AND THE INTERRELATIONSHIP OF INDIVIDUALS IN ORGANIZATIONS. A STUDY OF THE ORGANIZATION AS A SYSTEM OF AUTHORITY, STATUS, LEADERSHIP, DIRECTION, COMMUNICATION AND INFLUENCE. INCLUDES READINGS, CASES AND SPECIAL REPORTS.
PREREQUISITE: B A 3361.
- B A 5363 QUANTITATIVE METHODOLOGY & ANALYSIS OF THE PRODUCTION PROCESS**
A REVIEW OF QUANTITATIVE TECHNIQUES APPLICABLE TO THE SOLUTION OF PRODUCTION MANAGEMENT PROBLEMS. EMPHASIS IS ON THE UNDERSTANDING AND APPLICATIONS OF THESE TECHNIQUES AS AIDS IN MANAGEMENT DECISION MAKING. INDIVIDUAL PROJECTS WILL BE ASSIGNED TO EACH STUDENT.

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- B A 5364 BUSINESS AND SOCIETY
THE ROLE OF NATIONAL AND MULTINATIONAL BUSINESS IN MODERN SOCIETY.
THE RELATIONSHIP BETWEEN BUSINESS AND THE SOCIAL, POLITICAL, ECONOMIC
AND ECOLOGICAL ENVIRONMENT.
- B A 5372 ADVERTISING AND SALES PROMOTION
EFFECTIVE USE OF MASS COMMUNICATIONS MEDIA AND DIRECT PROMOTION
TECHNIQUES WILL BE STUDIED THROUGH ALL PHASES OF PLANNING, CREATION,
EXECUTION AND EVALUATION. WIDELY DISTRIBUTED CONSUMER PRODUCTS WILL
BE STRESSED. SKILLS WILL BE DEVELOPED IN UTILIZING CONSUMER RESEARCH,
SALES ANALYSIS, AND MASS MEDIA DATA FOR PROMOTION PLANNING.
- B A 6312 SEMINAR: SECRETARIAL EDUCATION
RESEARCH FINDINGS APPLIED TO THE AREAS OF SECRETARIAL EDUCATION
INCLUDING OFFICE PROCEDURES AND COMMUNICATIONS. WILL STRESS THE
PSYCHOLOGY OF SKILL BUILDING AND THE PSYCHOMOTOR AND COGNITIVE DOMAIN
AREAS.
PREREQUISITES: ONE YEAR'S TEACHING OR CONSENT OF INSTRUCTOR.
- B A 6313 SEMINAR: TEACHING ACCOUNTING/DATA PROCESSING
ANALYSIS OF RESEARCH APPLIED TO ACCOUNTING PHASES. ANALYSIS OF
AUTOMATED, MECHANICAL AND MANUAL PROCESSES; PRIMARILY FOR HIGH SCHOOL
AND COMMUNITY COLLEGE TEACHERS OF BOOKKEEPING, ACCOUNTING AND DATA
PROCESSING SUBJECTS.
PREREQUISITES: ONE YEAR'S TEACHING EXPERIENCE OR CONSENT OF INSTRUCTOR.
- B A 6314 SEMINAR: BUSINESS EDUCATION
CURRENT ISSUES IN BUSINESS EDUCATION AND BUSINESS TEACHER TRAINING.
PHILOSOPHY AND OBJECTIVES OF THE BUSINESS EDUCATION PROGRAM AT THE
SECONDARY AND POST SECONDARY LEVELS.
- B A 6315 SEMINAR: CURRENT PROBLEMS IN BUSINESS EDUCATION
DESIGNED FOR SECONDARY AND POST SECONDARY TEACHERS OF BUSINESS.
ANALYZES RESEARCH STUDIES AND CURRENT LITERATURE IN THE MAJOR AREAS OF
BUSINESS EDUCATION. APPLIES FINDINGS OF RESEARCH TO ACTUAL TEACHING
SITUATIONS. REVIEWS AND ANALYZES THE SYSTEMS APPROACH TO TEACHING.
PREREQUISITES: ONE YEAR OF TEACHING EXPERIENCE AND/OR CONSENT OF
INSTRUCTOR.
- B A 6331 QUANTITATIVE TECHNIQUES IN BUSINESS
THE USE OF MODERN QUANTITATIVE TECHNIQUES IN BUSINESS DECISION MAKING
INCLUDING OPERATIONS RESEARCH PROBLEMS AND TECHNIQUES SUCH AS
PROGRAMMING, MODEL BUILDING, SIMULATION AND NETWORK ANALYSIS.
- B A 6332 BUSINESS RESEARCH
QUANTITATIVE SOLUTIONS TO SIGNIFICANT BUSINESS PROBLEMS WILL BE STRESSED
USING COMPUTER TECHNIQUES WHERE POSSIBLE. MODERN METHODS AND PROCEDURES
WILL BE REVIEWED. STUDENTS WILL PREPARE A MAJOR PAPER BASED ON ORIGINAL
RESEARCH IN A SPECIFIC BUSINESS AREA UNDER THE SUPERVISION OF A SENIOR
FACULTY MEMBER FROM THAT FIELD.
PREREQUISITE: B A 6331.
- B A 6335 ADMINISTRATIVE COMMUNICATIONS
INTERDISCIPLINARY STUDY OF THE COMMUNICATION PROCESSES IN BUSINESS.
INCLUDES SYSTEMS AND TECHNOLOGIES, AND THE ORGANIZATIONAL AND
PSYCHOLOGICAL PROCESSES. FORMULATING, CONDUCTING AND REPORTING A
SIGNIFICANT RESEARCH PROJECT IN COMMUNICATIONS.
- B A 6348 ADVANCED COMPUTER APPLICATIONS IN BUSINESS
A STUDY OF THE COMPUTER AS A MANAGEMENT TOOL CONSIDERING ITS PRESENT
AND FUTURE CAPABILITIES. THE IMPACT OF COMPUTERS UPON ORGANIZATIONAL
POLICY AND RELATED MANAGEMENT PRACTICES, APPLICATIONS IN AUDITING,
OPTIMIZATION, SIMULATION, INVENTORY CONTROL AND ANALYSIS.

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- B A 6362 PERSONNEL ADMINISTRATION AND INDUSTRIAL RELATIONS**
THE INDIVIDUAL AND THE ORGANIZATION. HUMAN BEHAVIOR IN A WORK ENVIRONMENT. ORGANIZATIONAL STRESS AND THE ROLE OF AN INDUSTRIAL RELATIONS SYSTEMS. CURRENT PROBLEMS AND ALTERNATIVE SOLUTIONS.
PREREQUISITE: B A 3362 OR 4361 OR 5361.
- B A 6366 MANAGEMENT SEMINAR**
THE DEVELOPMENT OF MANAGEMENT THOUGHT AND PRACTICE WITH EMPHASIS ON CURRENT TRENDS AND PROBLEMS IN MANAGEMENT.
PREREQUISITE: B A 4361 OR 5361.
- B A 6369 ADMINISTRATIVE POLICY AND STRATEGY**
A STUDY OF MANAGEMENT PROBLEMS UNDER DYNAMIC CONDITIONS. COMPREHENSIVE, INTEGRATIVE CASES WILL BE STUDIED AND ANALYZED. DECISION MAKING AND INVOLVEMENT IN THE MANAGEMENT PROCESS IS PROVIDED THROUGH A COMPUTERIZED MANAGEMENT SIMULATION.
PREREQUISITE: 12 SEMESTER HOURS OF GRADUATE CREDIT IN SCHOOL OF BUSINESS ADMINISTRATION.
- B A 6371 CONTEMPORARY MARKETING PROBLEMS AND SOLUTIONS**
ANALYSIS OF CURRENT AND POTENTIAL RESTRICTIONS ON MASS MARKETING TECHNIQUES AND ACCOMMODATIONS THERETO. MARKETING OF WIDELY DISTRIBUTED CONSUMER PRODUCTS BY NATIONAL AND MULTINATIONAL FIRMS WILL BE STRESSED. EXISTING AND PENDING LEGISLATIVE RESTRICTIONS WILL BE STUDIED AS WELL AS SIGNIFICANT CONSUMER PROTECTION ACTIVITIES. EXTENSIVE READING OF CURRENT PUBLICATIONS WILL BE REQUIRED.
PREREQUISITE: B A 3371 OR 5377.
- B A 6381 SEMINAR IN FINANCIAL ADMINISTRATION**
MANAGEMENT OF THE FLOW OF FUNDS IN THE FIRM. ANALYSIS FOR OBTAINING THE OPTIMUM UNITIZATION OF FUNDS. BEHAVIOR OF FINANCIAL INSTITUTIONS AND MARKETS.
PREREQUISITE: B A 3383.
- B A 6382 ADMINISTRATION OF THE CORPORATE CAPITAL STRUCTURE**
CONSIDERATIONS OF THE PROBLEM OF MEASURING AND INFLUENCING THE COST OF CAPITAL. THE ADMINISTRATION OF CORPORATE CAPITAL.
PREREQUISITE: B A 3383.
- B A 7300 THESIS**
RESEARCH AND WRITING OF THE THESIS.(3-6 CREDITS).
- B A 7301 THESIS**
RESEARCH AND WRITING OF THE THESIS.(3-6 CREDITS).
- BIBL 1310 OLD TESTAMENT SURVEY.**
A SURVEY OF THE HISTORY AND LITERATURE OF THE OLD TESTAMENT. A PARTICULAR EMPHASIS IS PLACED UPON THE TEACHINGS CONCERNING GOD, MAN, SALVATION AND SOCIAL RELATIONS; ESPECIALLY THOSE TEACHINGS WHICH DEAL WITH THE PREPARATION FOR THE COMING OF CHRIST.
- BIBL 1311 NEW TESTAMENT SURVEY.**
A BRIEF SURVEY OF THE CHRISTIAN MOVEMENT IN THE MEDITERRANEAN WORLD DURING THE FIRST CENTURY. THE LIFE OF CHRIST, THE BEGINNING OF THE CHRISTIAN CHURCH, THE LIFE AND LETTERS OF PAUL AND THE GENERAL DEVELOPMENT OF THE NEW TESTAMENT AS CONSIDERED FROM THE HISTORICAL VIEWPOINT.
- BIBL 1312 BIBLE AND EVERDAY LIVING.**
A STUDY OF SOME ASPECTS OF THE NATURE OF MAN AND OF HIS RELATIONSHIP TO CHRIST AS STUDIED IN RELATED BIBLE READINGS.

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- BIBL 1314 ACTS OF THE APOSTLES.**
AN HISTORICAL STUDY OF THE BEGINNING AND EXTENSION OF CHRISTIANITY, BASED ON THE BOOK OF ACTS.
- BIBL 2301 THE LIFE OF CHRIST.**
A STUDY OF THE LIFE OF CHRIST AS CONTAINED IN THE GOSPELS.
- BIBL 2302 THE LIFE AND LETTERS OF JOHN.**
A STUDY OF THE LIFE AND WORKS OF JOHN. A SPECIAL EMPHASIS GIVEN TO HIS GOSPEL AND EPISTLES WITH A BRIEF REVIEW OF REVELATION.
- BIBL 2303 THE LIFE AND LETTERS OF PAUL.**
A DETAILED STUDY OF THE LIFE AND TEACHINGS OF THE APOSTLE PAUL AS DEPICTED IN THE BOOK OF ACTS AND THE LETTERS OF PAUL. THE MISSIONARY JOURNEYS AND EXPANSION OF CHRISTIANITY WILL BE GIVEN MAJOR ATTENTION.
- BIBL 2304 COMPARATIVE RELIGION.**
A NONSECTARIAN APPROACH TO AND A COMPARISON OF THE GREAT RELIGIONS OR SYSTEMS OR PERSONAL PHILOSOPHIES OF THE WORLD INCLUDING JUDAISM, BUDDHISM, MOHAMMEDANISM, CONFUCIANISM, CHRISTIANITY AND SOME LESS-KNOWN FAITHS OR PHILOSOPHIES.
- BIOL 1305 BIOLOGY FOR ELEMENTARY TEACHERS.**
A BASIC INTRODUCTORY COURSE STRESSING FUNDAMENTAL ZOOLOGICAL PRINCIPLES AND CONCEPTS. IT IS DESIGNED TO ACQUAINT THE FUTURE ELEMENTARY TEACHER WITH THE VARIOUS STRUCTURES, FUNCTIONS, LIFE HISTORIES AND OCCURRENCE OF LOCAL ANIMALS. CREDIT CANNOT BE GIVEN FOR 1305 AND 1401. THREE HOURS LECTURE AND TWO HOURS LABORATORY. \$3.00 LABORATORY FEE.
- BIOL 1306 BIOLOGY FOR ELEMENTARY TEACHERS.**
AN INTRODUCTORY COURSE STRESSING BASIC BOTANICAL PRINCIPLES AND CONCEPTS. IT IS DESIGNED TO ACQUAINT THE FUTURE ELEMENTARY TEACHER WITH THE ANATOMY, PHYSIOLOGY, DEVELOPMENT AND DISTRIBUTION OF THE LOCAL FLORA. CREDIT CANNOT BE GIVEN FOR BOTH 1306 AND 1402. THREE HOURS LECTURE AND TWO HOURS LABORATORY. \$3.00 LABORATORY FEE.
- BIOL 1401 GENERAL BIOLOGY.**
A STUDY OF THE BASIC PRINCIPLES OF BIOLOGY. TOPICS COVERED INCLUDE CELLULAR BIOLOGY AND THE ANATOMY AND PHYSIOLOGY OF LIVING ORGANISMS. THREE HOURS LECTURE AND THREE HOURS LABORATORY, \$3.00 LABORATORY FEE.
- BIOL 1402 GENERAL BIOLOGY**
A CONTINUATION OF BIOLOGY 1401 INCLUDING CELLULAR REPRODUCTION, GENETICS, DEVELOPMENT, EVOLUTION, ECOLOGY AND A SURVEY OF THE DIVERSITY OF ORGANISMS.
PREREQUISITE: BIOL 1401. THREE HOURS LECTURE AND THREE HOURS LABORATORY, \$3.00 LABORATORY FEE.
- BIOL 2301 BIOLOGICAL EVOLUTION**
GENETIC, ECOLOGICAL AND PALEONTOLOGICAL ASPECTS OF EVOLUTION, INCLUDING THAT OF MAN.
PREREQUISITE: BIOLOGY 1401-1402 OR PERMISSION OF THE INSTRUCTOR. THREE HOURS LECTURE AND TWO HOURS LABORATORY. \$3.00 LABORATORY FEE.
- BIOL 2305 MAN AND HIS ENVIRONMENT.**
A CONSIDERATION OF THE BIOLOGICAL PROBLEMS OF POPULATION EXPANSION, ENVIRONMENTAL DESTRUCTION AND RESOURCE CONSERVATION AS THEY RELATE TO MAN'S PAST, PRESENT AND FUTURE.
THREE HOURS LECTURE AND TWO HOURS LABORATORY. \$3.00 LABORATORY FEE.
- BIOL 2401 VERTEBRATE ZOOLOGY.**
A BASIC INTRODUCTORY COURSE DEALING WITH THE FUNDAMENTAL BIOLOGICAL PRINCIPLES AND CONCEPTS. DESIGNED TO ACQUAINT THE STUDENT WITH

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STRUCTURE, PHYSIOLOGY AND LIFE HISTORIES OF REPRESENTATIVE VERTEBRATE TYPES. THREE HOURS LECTURE AND THREE HOURS LABORATORY.
PREREQUISITE: BIOLOGY 1401 OR 1305. \$4.00 LABORATORY FEE.

BIOL 2402 COMPARATIVE VERTEBRATE ANATOMY.
COMPARATIVE STUDIES OF THE MORPHOLOGICAL, EMBRYOLOGICAL AND PHYSIOLOGICAL RELATIONSHIPS AMONG VERTEBRATES, WITH INCLUSION OF HISTOLOGICAL AND PALEONTOLOGICAL DATA. THREE HOURS LECTURE AND THREE HOURS LABORATORY.
PREREQUISITE: BIOLOGY 1401 OR 1305. \$5.00 LABORATORY FEE.

BIOL 2403 ANATOMY AND PHYSIOLOGY.
GROSS ANATOMY OF THE HUMAN BODY; THE VARIOUS PHYSIOLOGICAL PROCESSES AND FUNDAMENTALS OF HEREDITY. THREE HOURS LECTURE AND THREE HOURS LABORATORY.
PREREQUISITE: BIOLOGY 1401, 1305 OR 1402 RECOMMENDED. \$4.00 LABORATORY FEE.

BIOL 3302 MICROTECHNIQUE.
A COURSE DESIGNED TO TEACH THE PRINCIPLES USED IN THE PREPARATION OF TISSUE OF CYTOLOGICAL AND HISTOLOGICAL OBSERVATION. ONE HOUR LECTURE AND SIX HOURS LABORATORY.
PREREQUISITE: NINE SEMESTER HOURS OF BIOLOGY INCLUDING BIOLOGY 1401, 1402. \$5.00 LABORATORY FEE.

BIOL 3303 GENETICS.
INTRODUCTION TO GENETICS WITH CONSIDERATION OF ITS APPLICATION IN BIOLOGY AND HUMAN WELFARE. THREE HOURS LECTURE.
PREREQUISITE: NINE SEMESTER HOURS OF BIOLOGY.

BIOL 3309 PLANT TAXONOMY.
IDENTIFICATION OF VASCULAR PLANTS, WITH EMPHASIS ON NATIVE FLOWERING PLANTS. TWO HOURS LECTURE AND FOUR HOURS LABORATORY.
PREREQUISITES: NINE SEMESTER HOURS OF BIOLOGY, INCLUDING BIOLOGY 1402 OR 1306. \$4.00 LABORATORY FEE.

BIOL 3401 BACTERIOLOGY.
A GENERAL SURVEY OF THE FIELD OF BACTERIOLOGY. THE LABORATORY WORK INCLUDES CULTURING, STAINING AND IDENTIFYING OF MICRO-ORGANISMS. THREE HOURS LECTURE AND THREE HOURS LABORATORY.
PREREQUISITE: BIOLOGY 1402 AND SIX SEMESTER HOURS OF CHEMISTRY. \$4.00 LABORATORY FEE.

BIOL 3402 ANIMAL PARASITOLOGY.
INTRODUCTION TO STUDY OF PARASITIC PROTOZOA AND WORMS (ESPECIALLY TREMATODES, CESTODES, NEMATODES AND ACANTHOCEPHALA). THREE HOURS LECTURE AND THREE HOURS LABORATORY. PREREQUISITE: NINE SEMESTER HOURS OF BIOLOGY INCLUDING FOUR HOURS FROM 2401, 2402 OR 2403. \$4.00 LABORATORY FEE.

BIOL 3403 MEDICAL BACTERIOLOGY.
A STUDY OF THE MORPHOLOGY, CULTURAL CHARACTERISTICS AND PATHOGENIC PROPERTIES OF BACTERIA, VIRUSES, FUNGI AND OTHER MICROORGANISMS OF MEDICAL IMPORTANCE TO MAN, WITH EMPHASIS ON THE BACTERIA. THREE HOURS LECTURE AND THREE HOURS LABORATORY. PREREQUISITE: BIOLOGY 3401.

BIOL 3404 ORNITHOLOGY.
PRINCIPLES OF AVIAN CLASSIFICATION, MORPHOLOGY AND ECOLOGY, INCLUDING MIGRATION, DISTRIBUTION AND RELATION TO MAN. THREE HOURS LECTURE AND THREE HOURS LABORATORY AND FIELD WORK.
PREREQUISITES: NINE SEMESTER HOURS OF BIOLOGY, INCLUDING FOUR HOURS FROM 2401, 2402, OR 2403. \$4.00 LABORATORY FEE.

BIOL 3407 COMPARATIVE EMBRYOLOGY.
DEVELOPMENTAL STUDIES FROM THE ZYGOTE THROUGH EMBRYOLOGICAL STAGES

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(CHIEFLY CONCERNED WITH AMPHIBIANS, BIRDS AND MAMMALS). THREE HOURS LECTURE AND THREE HOURS LABORATORY.
PREREQUISITE: NINE SEMESTER HOURS OF BIOLOGY, INCLUDING FOUR HOURS FROM 2401, 2402, OR 2403. \$4.00 LABORATORY FEE.

- BIOL 3408 PLANT MORPHOLOGY.
A STUDY OF THE MORPHOLOGY, DEVELOPMENT AND RELATIONSHIPS OF FUNGI, ALGAE, LIVERWORTS, MOSSES, FERNS, GYMNOSPERMS AND ANGIOSPERMS. PARTICULAR ATTENTION IS GIVEN TO THE EVOLUTION OF THESE GROUPS. THREE HOURS LECTURE AND THREE HOURS LABORATORY.
PREREQUISITES: NINE SEMESTER HOURS OF BIOLOGY, INCLUDING BIOLOGY 1402 OR 1306. \$4.00 LABORATORY FEE.
- BIOL 4100 BIOLOGY SEMINAR.
A STUDY OF CURRENT BIOLOGICAL LITERATURE AND THE DISCUSSION OF RESEARCH IN PROGRESS. REQUIRED OF ALL BIOLOGY MAJORS IN THEIR SENIOR YEAR. OPEN ONLY TO NONMAJORS BY PERMISSION
- BIOL 4201 BIOLOGY PROBLEMS.
A COURSE ADAPTED TO THE STUDY OF SPECIAL TOPICS IN BIOLOGY. FOR ADVANCED STUDENTS CAPABLE OF DEVELOPING A PROBLEM INDEPENDENTLY THROUGH CONFERENCE AND ACTIVITIES DIRECTED BY THE INSTRUCTOR. PROBLEM IS CHOSEN BY THE STUDENT WITH THE APPROVAL OF THE INSTRUCTOR PRIOR TO REGISTRATION. THE CLASS MEETS EACH WEEK EQUIVALENT TO ONE HOUR LECTURE AND TWO HOURS LABORATORY.
PREREQUISITE: MAJOR IN BIOLOGY WITH AT LEAST A JUNIOR STANDING. \$4.00 LABORATORY FEE.
- BIOL 4202 BIOLOGY PROBLEMS
A CONTINUATION OF BIOLOGY 4201.
PREREQUISITE: 4201. \$4.00 LABORATORY FEE.
- BIOL 4301 HISTORY OF BIOLOGY.
HISTORY AND PHILOSOPHY OF BIOLOGY FROM THE TIME OF ARISTOTLE TO THE PRESENT DAY. EMPHASIS IS ON THE DEVELOPMENT OF THE IMPORTANT BIOLOGICAL THEORIES. THREE HOURS LECTURE.
PREREQUISITE: 12 SEMESTER HOURS OF BIOLOGY.
- BIOL 4302 BIOLOGICAL LITERATURE.
A SURVEY OF RECENT ADVANCES IN BIOLOGY WHICH INCLUDES REVIEWS OF CLASSICAL AND RECENT LITERATURE AND REPORTS OF ORIGINAL INVESTIGATIONS. THREE HOURS LECTURE.
PREREQUISITE: 12 SEMESTER HOURS OF BIOLOGY.
- BIOL 4303 MAMMALOLOGY.
A STUDY OF ANATOMY, EVOLUTION, DISTRIBUTION, SYSTEMATICS, ECOLOGY AND PHYSIOLOGY OF MAMMALS OF NORTH AMERICA WITH SPECIAL EMPHASIS ON LOCAL FORMS. TWO HOURS LECTURE AND FOUR HOURS LABORATORY.
- BIOL 4304 ICHTHYOLOGY.
ECOLOGY, PHYSIOLOGY, MORPHOLOGY AND TAXONOMY OF MARINE AND FRESH WATER FISHES. INCLUDES PRACTICAL APPLICATION OF MODERN FISHERY MANAGEMENT TECHNIQUES. TWO HOURS LECTURE AND THREE HOURS LABORATORY.
PREREQUISITE: NINE SEMESTER HOURS OF BIOLOGY.
- BIOL 4305 PLANT PHYSIOLOGY.
BASIC CHEMICAL AND PHYSICAL PROCESSES IN PLANT GROWTH AND DEVELOPMENT. THREE HOURS LECTURE AND THREE HOURS LABORATORY.
PREREQUISITES: NINE SEMESTER HOURS OF BIOLOGY AND ONE SEMESTER OF ORGANIC CHEMISTRY. \$5.00 LABORATORY FEE.
- BIOL 4401 ECOLOGY.
A STUDY OF THE BASIC ENVIRONMENTAL FACTORS AFFECTING PLANTS AND ANIMALS, AND THEIR RELATION TO ECONOMIC AND CONSERVATION PROBLEMS. THREE HOURS LECTURE AND THREE HOURS LABORATORY AND FIELD WORK.

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PREREQUISITE: 12 SEMESTER HOURS OF BIOLOGY. \$4.00 LABORATORY FEE.

BIOL 4402 MARINE ZOOLOGY.
A STUDY OF THE COMMON MARINE ANIMALS, ESPECIALLY INVERTEBRATES IN COASTAL WATERS. PARTICULAR ATTENTION IS TO BE GIVEN TO STRUCTURAL AND PHYSIOLOGICAL RELATIONSHIPS. THREE HOURS LECTURE AND THREE HOURS LABORATORY AND FIELD WORK.
PREREQUISITE: 12 SEMESTER HOURS OF BIOLOGY. \$4.00 LABORATORY FEE.

BIOL 4406 MYCOLOGY.
MORPHOLOGY, PHYSIOLOGY, TAXONOMY AND CULTURE OF SELECTED FUNGI. EMPHASIS WILL BE GIVEN TO THOSE HAVING ECONOMIC SIGNIFICANCE. THREE HOURS LECTURE AND THREE HOURS LABORATORY.
PREREQUISITES: 12 HOURS OF BIOLOGY INCLUDING BIOLOGY 3401. \$4.00 LABORATORY FEE.

BIOL 4408 PLANT PATHOLOGY
AN INTRODUCTORY COURSE ON THE CAUSES, NATURE AND CONTROL OF PLANT DISEASES. EMPHASIS WILL BE GIVEN TO DISEASES OF PLANTS THAT HAVE ECONOMIC IMPORTANCE. THREE HOURS LECTURE AND THREE HOURS LABORATORY OR FIELD WORK. RECOMMENDED: BIOL. 3401 AND 4406. \$4.00 LABORATORY FEE.

BIOL 4410 MARINE BOTANY.
A STUDY OF THE COMMON LOCAL MARINE FLORA WITH EMPHASIS ON THE MICROSCOPIC ALGAE FORMS. THREE HOURS LECTURE AND THREE HOURS LABORATORY. THE STUDENT IS EXPECTED TO FURNISH HIS OWN TRANSPORTATION TO NINE OR TEN FIELD LABORATORY SESSIONS.
PREREQUISITES: NINE SEMESTER HOURS OF BIOLOGY, INCLUDING BIOLOGY 1306 OR 1402. CREDIT MAY NOT BE EARNED UNDER THE NEW COURSE NUMBER IF PREVIOUSLY EARNED UNDER THE OLD NUMBER. \$4.00 LABORATORY FEE.

BIOL 4601 BIOLOGY WORKSHOP
A BIOLOGY WORKSHOP DESIGNED TO IMPROVE THE ABILITY OF THE SECONDARY TEACHER IN THE BIOLOGICAL SCIENCES. A MAXIMUM OF SIX HOURS OF WORKSHOP CREDIT MAY BE CREDITED TOWARD A MAJOR OR MINOR IN BIOLOGY.
PREREQUISITE: APPROVAL OF DEPARTMENT HEAD. \$5.00 LABORATORY FEE.

BIOL 5303 ADVANCED CELL BIOLOGY
DETAILED ANALYSIS, IN LECTURE AND IN LABORATORY, OF CELL STRUCTURE AND OF CELL FUNCTION; EMPHASIS WILL BE ON RESPIRATION, PHOTOSYNTHESIS, ENZYMES, PROTEINS, NUCLEIC ACIDS AND LABORATORY TECHNIQUES. THREE HOURS LECTURE AND THREE HOURS LABORATORY. \$4.00 LABORATORY FEE.

BIOL 5308 ADVANCED PLANT PATHOLOGY
THE CAUSES, NATURE, AND CONTROL OF PLANT DISEASES GIVING EMPHASIS TO ECONOMICALLY IMPORTANT DISEASES. A RESEARCH PAPER OR RESEARCH WORK WILL BE ASSIGNED INDIVIDUALLY. THREE HOURS LECTURE AND THREE HOURS LABORATORY. \$4.00 LABORATORY FEE.

BIOL 5310 MARINE PLANT SCIENCE
THE COMMON LOCAL MARINE FLORA WITH EMPHASIS ON THE MACROSCOPIC ALGAL FORMS. THREE HOURS LECTURE AND THREE HOURS LABORATORY. \$4.00 LABORATORY FEE.

BIOL 5341 ECOLOGICAL CONCEPTS
BIOTIC AND ABIOTIC FACTORS AS THEY AFFECT COMPOSITION, STRUCTURE AND ECONOMIC RELATIONSHIPS OF PLANT-ANIMAL POPULATIONS. THREE HOURS LECTURE AND THREE HOURS LABORATORY. \$4.00 LABORATORY FEE.

BIOL 5342 CONCEPTS OF BIOLOGICAL LITERATURE
A REVIEW OF BIOLOGICAL LITERATURE FROM THE CLASSICAL TO RECENT TIME AND ITS IMPACT ON MODERN BIOLOGICAL CONCEPTS.
PREREQUISITE: GRADUATE STANDING AND 18 SEMESTER HOURS OF BIOLOGY.

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- BIOL 5344 ADVANCED MAMMALOGY**
A STUDY OF ANATOMY, EVOLUTION, DISTRIBUTION, SYSTEMATICS, ECOLOGY AND PHYSIOLOGY OF MAMMALS OF NORTH AMERICA. A COLLECTION AND RESEARCH PROJECT ARE REQUIRED. CRITICAL REVIEW OF CURRENT LITERATURE AND STUDIES OF RECENT ADVANCES IN MAMMALOGY ARE EMPHASIZED.
- BIOL 5345 ADVANCED PLANT PHYSIOLOGY**
PHYSIOLOGY OF PLANTS; CELL STRUCTURE AND FUNCTIONS, NUTRITION, METABOLISM, AND FACTORS INFLUENCING GROWTH AND DEVELOPMENT.
PREREQUISITE: GRADUATE STANDING AND ONE SEMESTER OF ORGANIC CHEMISTRY.
\$4.00 LABORATORY FEE.
- BIOL 5346 ADVANCED MYCOLOGY**
DETAILED STUDIES OF THE FUNGI, INCLUDING BIOLOGICAL ASPECTS OF SELECTED GENERA, CULTURING TECHNIQUES AND LABORATORY METHODS. NOT OPEN TO STUDENTS WITH PREVIOUS CREDIT FOR BIOLOGY 4406. \$4.00 LABORATORY FEE.
PREREQUISITE: 18 SEMESTER HOURS OF BIOLOGY.
- BIOL 5351 CONCEPTS OF BIOLOGICAL HISTORY**
DEVELOPMENT OF BIOLOGICAL CONCEPTS FROM THE BEGINNING OF CLASSICAL BIOLOGICAL THEORY TO PRESENT DAYS. THREE HOURS LECTURE.
- BIOL 5352 ADVANCED MARINE ZOOLOGY**
STRUCTURAL, PHYSIOLOGICAL AND ECOLOGICAL RELATIONSHIPS OF COMMON MARINE ANIMALS, STRESSING INVERTEBRATES OF COASTAL WATERS. THREE HOURS LECTURE AND THREE HOURS LABORATORY. \$4.00 LABORATORY FEE.
- BIOL 6101 BIOLOGY GRADUATE SEMINAR**
THREE 1-SEMESTER-HOUR GRADUATE SEMINARS WILL BE REQUIRED OF ALL GRADUATE STUDENTS. GRADUATE STUDENTS WITH 3 HOURS OF BIOLOGY GRADUATE SEMINAR CREDIT WHO HAVE NOT COMPLETED DEGREE REQUIREMENTS WILL PARTICIPATE IN BIOLOGY GRADUATE SEMINAR WITHOUT CREDIT. EACH STUDENT, WHEN ENROLLED FOR CREDIT, WILL BE EXPECTED TO PRESENT A SCHOLARLY REVIEW OF SOME PARTICULAR ASPECT OF CURRENT BIOLOGICAL RESEARCH BEFORE SEMINAR PARTICIPANTS AND THE BIOLOGY FACULTY.
- BIOL 6102 BIOLOGY GRADUATE SEMINAR**
A CONTINUATION OF BIOL 6101.
- BIOL 6103 BIOLOGY GRADUATE SEMINAR**
A CONTINUATION OF BIOL 6102
- BIOL 6302 MARINE ECOLOGY**
ANALYSIS OF FACTORS THAT INFLUENCE PLANT AND ANIMAL POPULATION IN A MARINE HABITAT. EFFECTS OF VARIED TYPES OF POLLUTION WILL BE CONSIDERED. THREE HOURS LECTURE AND THREE HOURS LABORATORY. \$4.00 LABORATORY FEE.
- BIOL 6303 ADVANCED ECOLOGY**
UTILIZATION OF MODERN TECHNIQUES TO ANALYZE INTERRELATIONSHIPS BETWEEN PLANTS, ANIMALS AND THE ENVIRONMENT. TERRESTRIAL AND FRESHWATER ENVIRONMENTS WILL BE CONSIDERED. THREE HOURS LECTURE AND THREE HOURS LABORATORY. \$4.00 LABORATORY FEE.
- BIOL 6304 HOST-PARASITE RELATIONSHIPS**
A COMPREHENSIVE ANALYSIS OF THE INTERRELATIONSHIPS BETWEEN HOST AND PARASITE. MODERN LABORATORY TECHNIQUES ESSENTIAL TO UNDERSTANDING THESE INTERRELATIONSHIPS WILL BE CONSIDERED. THREE HOURS LECTURE AND THREE HOURS LABORATORY. \$4.00 LABORATORY FEE.
- BIOL 6305 BIOMETRY**
STATISTICAL ANALYSIS AND PRINCIPLES AS APPLIED TO BIOLOGICAL PROBLEMS. THREE HOURS LECTURE AND THREE HOURS LABORATORY. \$4.00 LABORATORY FEE.

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- BIOL 6306 FIELD BOTANY**
A STUDY OF THE ADAPTATIONS AND ECONOMIC IMPORTANCE OF THE NATIVE FLORA. METHODS OF COLLECTIONS, PRESERVATION AND CLASSIFICATION ARE STRESSED. \$4.00 LABORATORY FEE.
- BIOL 6307 BIOLOGICAL TECHNIQUES**
TECHNIQUES STRESSING MODERN MATERIALS AND LABORATORY PROBLEMS IN THE PUBLIC SCHOOL LABORATORY. THREE HOURS LECTURE AND THREE HOURS LABORATORY. \$4.00 LABORATORY FEE.
- BIOL 6308 FRESHWATER PHYCOLOGY**
AN INTRODUCTION TO THE STRUCTURE, REPRODUCTION, AND IDENTIFICATION OF THE FRESHWATER ALGAE WITH SPECIAL EMPHASIS ON THE ECOLOGY AND IDENTIFICATION OF LOCAL FORMS. THREE HOURS LECTURE AND THREE HOURS LABORATORY. \$4.00 LABORATORY FEE.
PREREQUISITE: BIOL 3408.
- BIOL 6309 MARINE PHYCOLOGY**
A DETAILED STUDY OF THE COMMON LOCAL MARINE FLORA WITH EMPHASIS ON THE MICROSCOPIC ALGAL FORMS. THREE HOURS LECTURE AND THREE HOURS LABORATORY. \$4.00 LABORATORY FEE.
PREREQUISITE: BIOLOGY 4410 OR 5310.
- BIOL 6310 IMMUNOLOGY**
A STUDY OF THE NATURE OF ANTIGENS AND ANTIBODIES AND THEIR INTERACTIONS AS THEY RELATE TO ALLERGY AND INFECTION. THREE HOURS LECTURE AND THREE HOURS LABORATORY. \$4.00 LABORATORY FEE.
PREREQUISITES: BIOLOGY 3401 AND ORGANIC CHEMISTRY.
- BIOL 6311 ECOLOGICAL PHYSIOLOGY**
A COMPARATIVE STUDY OF THE PHYSIOLOGICAL ADAPTATIONS OF ANIMALS TO THEIR ENVIRONMENTS. EMPHASIS WILL BE PLACED ON PHYSIOLOGICAL BASIS OF ANIMAL DISTRIBUTION AND EVOLUTION. \$4.00 LABORATORY FEE.
- BIOL 6312 ADVANCED ORNITHOLOGY**
STUDIES IN AVIAN BIOLOGY WITH EMPHASIS ON CONCEPTS OF SPECIATION, BEHAVIOR, AND ECOLOGY. THREE HOURS LECTURE AND THREE HOURS LABORATORY. PREVIOUS COURSE IN BIOLOGY 3404 RECOMMENDED. \$4.00 LABORATORY FEE.
- BIOL 6314 ADVANCED PLANT SYSTEMATICS**
A STUDY OF LITERATURE AND METHODS OF EXPERIMENTAL PLANT SYSTEMATICS. PHYLOGENETIC CONSIDERATIONS, PROCEDURES IN MONOGRAPH PREPARATION, FIELD AND HERBARIUM TECHNIQUES AND MODERN BIOSYSTEMATIC APPROACHES APPLIED TO SELECTED TAXA WILL BE EMPHASIZED. \$4.00 LABORATORY FEE.
- BIOL 6315 ADVANCED FIELD ZOOLOGY**
A COURSE DESIGNED TO GIVE THE STUDENT EXPERIENCE IN ORGANIZING FIELD NOTES, COLLECTING AND PRESERVING VERTEBRATE ANIMALS, CONDUCTING HABITAT ANALYSIS AND UTILIZING ECOLOGICAL RESEARCH METHODS. EMPHASIS WILL BE ON POPULATIONS AND THEIR RELATIONSHIPS TO LOCAL ENVIRONMENTS. \$4.00 LABORATORY FEE.
- BIOL 6316 ADVANCED GENETICS**
LECTURES AND LABORATORY DEALING WITH FACTS OF MODERN GENETICS, AND DEVELOPMENTS IN MOLECULAR NATURE OF HEREDITARY DETERMINANTS.
RECOMMENDED: BIOLOGY 3303 AND ORGANIC CHEMISTRY. \$4.00 LABORATORY FEE.
- BIOL 6361 BOTANICAL**
THE STUDENT IN CONFERENCE WITH THE FACULTY MEMBER WILL DEFINE AN INDEPENDENT RESEARCH PROBLEM THAT MAY BE COMPLETED WITHIN ONE SEMESTER. THE BIOLOGY GRADUATE FACULTY WILL APPROVE THE PROBLEM PRIOR TO ENROLLMENT. IF UNDERTAKEN IN A SUMMER, THE STUDENT SHOULD ENROLL IN

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NO OTHER COURSE THAT SUMMER TERM. THE STUDENT'S WRITTEN REPORT WILL BE IN AN APPROVED THESIS STYLE. ONE COPY WILL BE RETAINED BY THE FACULTY MEMBER DIRECTING THE RESEARCH. \$4.00 LABORATORY FEE.

BIOL 6362 MARINE
THE STUDENT IN CONFERENCE WITH THE FACULTY MEMBER WILL DEFINE AN INDEPENDENT RESEARCH PROBLEM THAT MAY BE COMPLETED WITHIN ONE SEMESTER. THE BIOLOGY GRADUATE FACULTY WILL APPROVE THE PROBLEM PRIOR TO ENROLLMENT. IF UNDERTAKEN IN A SUMMER, THE STUDENT SHOULD ENROLL IN NO OTHER COURSE THAT SUMMER TERM. THE STUDENT'S WRITTEN REPORT WILL BE IN AN APPROVED THESIS STYLE. ONE COPY WILL BE RETAINED BY THE FACULTY MEMBER DIRECTING THE RESEARCH. \$4.00 LABORATORY FEE.

BIOL 6363 MICROBIAL
THE STUDENT IN CONFERENCE WITH THE FACULTY MEMBER WILL DEFINE AN INDEPENDENT RESEARCH PROBLEM THAT MAY BE COMPLETED WITHIN ONE SEMESTER. THE BIOLOGY GRADUATE FACULTY WILL APPROVE THE PROBLEM PRIOR TO ENROLLMENT. IF UNDERTAKEN IN A SUMMER, THE STUDENT SHOULD ENROLL IN NO OTHER COURSE THAT SUMMER TERM. THE STUDENT'S WRITTEN REPORT WILL BE IN AN APPROVED THESIS STYLE. ONE COPY WILL BE RETAINED BY THE FACULTY MEMBER DIRECTING THE RESEARCH. \$4.00 LABORATORY FEE.

BIOL 6364 ZOOLOGICAL
THE STUDENT IN CONFERENCE WITH THE FACULTY MEMBER WILL DEFINE AN INDEPENDENT RESEARCH PROBLEM THAT MAY BE COMPLETED WITHIN ONE SEMESTER. THE BIOLOGY GRADUATE FACULTY WILL APPROVE THE PROBLEM PRIOR TO ENROLLMENT. IF UNDERTAKEN IN A SUMMER, THE STUDENT SHOULD ENROLL IN NO OTHER COURSE THAT SUMMER TERM. THE STUDENT'S WRITTEN REPORT WILL BE IN AN APPROVED THESIS STYLE. ONE COPY WILL BE RETAINED BY THE FACULTY MEMBER DIRECTING THE RESEARCH. \$4.00 LABORATORY FEE.

BIOL 7300 THESIS

BIOL 7301 THESIS

C S 1301 INTRODUCTION TO COMPUTERS (FALL, SPRING, SUMMER)
THE CULTURAL IMPACT OF COMPUTERS, HISTORY OF COMPUTERS, FUNDAMENTALS OF COMPUTING SYSTEMS, APPLICATION OF COMPUTERS TO VARIOUS DISCIPLINES AND THE INTRODUCTION TO PROGRAMMING USING THE BASIC LANGUAGE. DESIGNED FOR STUDENTS WHO DESIRE TO LEARN ABOUT COMPUTERS WITHOUT AN INTENSIVE STUDY OF PROGRAMMING. CREDIT CANNOT BE OBTAINED FOR BOTH C.S. 1301 AND B.A./C.S. 2332.

C S 1309 INTRODUCTION TO COMPUTER PROGRAMMING AND ALGORITHMIC

PROCESSES. (FALL, SPRING, SUMMER)
BASIC CHARACTERISTICS OF COMPUTERS AND SOLUTIONS OF COMPUTATIONAL PROBLEMS WITH A UNIVERSAL PROGRAMMING LANGUAGE. TWO HOURS OF LECTURE AND A TWO HOUR LABORATORY.
PREREQUISITE: MATH 1304 OR CONSENT OF INSTRUCTOR. \$4.00 LABORATORY FEE.

C S 2310 INTRODUCTION TO COMPUTER PROGRAMMING (FALL, SPRING)
A PROGRAMMING COURSE DESIGNED TO FAMILIARIZE THE STUDENT WITH THE COBOL LANGUAGE AND SOME OF THE BASIC APPLICATIONS OF THIS LANGUAGE TO ADMINISTRATIVE DATA PROCESSING.
PREREQUISITE: PREVIOUS EXPERIENCE WITH COMPUTERS OR CONSENT OF INSTRUCTOR. \$4.00 LABORATORY FEE.
ARE MET: (A) THE STUDENT'S PROJECT MUST BE DIRECTLY RELATED TO HIS

C S 2333 COMPUTERS AND PROGRAMMING. (FALL)
AN INTRODUCTION TO COMPUTER ORGANIZATION, MACHINE LANGUAGE PROGRAMMING AND USE OF ASSEMBLY LANGUAGE PROGRAMMING SYSTEMS. BASIC INSTRUCTIONAL SETS, ARITHMETIC AND LOGICAL OPERATIONS, INDEXING, INDIRECT ADDRESSING, MACRO DEFINITION AND INTERPRETERS. SEVERAL COMPUTER PROGRAMMING

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PROJECTS AND INCLUDED.
PREREQUISITE: SOPHOMORE STANDING.

- C S 3333 DATA STRUCTURES. (OFFERED ON DEMAND)
BASIC CONCEPTS OF DATA AND COMPUTER STORAGE STRUCTURES, THE ORGANIZATION AND MAINTENANCE OF DATA FILES AND SORTING/SEARCHING TECHNIQUES ARE STUDIED. LINEAR LISTS, STRINGS, ARRAYS, ORTHOGONAL LISTS, TREES AND MULTILINKED STRUCTURES ARE DEVELOPED.
PREREQUISITES: C.S. 2333 AND ADVANCED STANDING.
- C S 3334 SYSTEMS PROGRAMMING. (OFFERED ON DEMAND)
REVIEW OF BATCH PROCESS SYSTEMS PROGRAMS, THEIR COMPONENTS, OPERATING CHARACTERISTICS, USER SERVICES AND THEIR LIMITATIONS. IMPLEMENTATION TECHNIQUES FOR PARALLEL PROCESSING OF INPUT-OUTPUT AND INTERRUPT HANDLING. OVERALL STRUCTURE OF MULTIPROGRAMMING SYSTEMS. DETAILS ON ADDRESSING TECHNIQUES, CORE MANAGEMENT, FILE SYSTEM DESIGN AND MANAGEMENT SYSTEM ACCOUNTING AND OTHER USER-RELATED SERVICES.
PREREQUISITE: C.S. 3333 AND ADVANCED STANDING.
- C S 3335 INFORMATION ANALYSIS. (OFFERED ON DEMAND)
EMPHASIZES THE INFORMATION ANALYSIS AND THE LOGICAL DESIGN OF THE SYSTEM. INCLUDES EXERCISES AND CASE STUDIES FOR PROFICIENCY IN INFORMATION ANALYSIS TECHNIQUES. PRACTICAL APPLICATIONS IN SYSTEMS DEVELOPMENT AND IMPLEMENTATION. FIELD TRIPS TO ORGANIZATIONS WITH SOPHISTICATED INFORMATION SYSTEMS.
PREREQUISITES: C.S. 3333 AND ADVANCED STANDING.
- C S 3350 NUMERICAL METHODS. (OFFERED ON DEMAND)
BASIC COMPUTER TECHNIQUES OF FINDING NUMERICAL SOLUTIONS TO PROBLEMS FROM CALCULUS, LINEAR ALGEBRA, DIFFERENTIAL EQUATIONS AND OTHER RELATED AREAS.
PREREQUISITES: ONE SEMESTER OF CALCULUS, ONE SEMESTER OF LINEAR ALGEBRA AND ADVANCED STANDING. \$4.00 LABORATORY FEE.
- C S 3355 COMPUTER ARCHITECTURE (ORGANIZATION). (OFFERED ON DEMAND)
DISCUSSION OF THE ORGANIZATION, LOGIC DESIGN AND COMPONENTS OF DIGITAL COMPUTING SYSTEMS. BASIC DIGITAL CIRCUITS, BOOLEAN ALGEBRA AND COMBINATIONAL LOGIC, DATA REPRESENTATION AND TRANSFER AND DIGITAL ARITHMETIC, DIGITAL STORAGE AND ACCESSING, CONTROL FUNCTION INPUT-OUTPUT FACILITIES, SYSTEM ORGANIZATION AND RELIABILITY. DESCRIPTION AND SIMULATION TECHNIQUES. FEATURES NEEDED FOR MULTIPROGRAMMING, MULTIPROCESSING AND REAL-TIME SYSTEMS. OTHER ADVANCED TOPICS AND ALTERNATE ORGANIZATIONS.
PREREQUISITES: C.S. 2333 AND ADVANCED STANDING.
- C S 4330 PROGRAMMING LANGUAGES. (OFFERED ON DEMAND)
PRESENTS A SYSTEMIC APPROACH TO THE STUDY OF PROGRAMMING LANGUAGES, THUS PROVIDING THE STUDENT WITH THE KNOWLEDGE NECESSARY TO LEARN AND EVALUATE SUCH LANGUAGES. FORMAL DEFINITION OF PROGRAMMING LANGUAGES INCLUDING SPECIFICATION OF SYNTAX AND SEMANTICS. SIMPLE STATEMENTS INCLUDING PRECEDENCE, INFIX AND POSTFIX NOTATION. GLOBAL PROPERTIES OF ALGORITHMIC LANGUAGES, INCLUDING SCOPE OF DECLARATIONS, STORAGE ALLOCATION, GROUPING OF STATEMENTS, BINDING TIME OF CONSTITUENTS, SUBROUTINES, COROUTINES, AND TASKS. LIST PROCESSING, STRING MANIPULATION, DATA DESCRIPTION AND SIMULATION LANGUAGES. RUN TIME REPRESENTATION OF PROGRAM AND DATA STRUCTURES.
PREREQUISITES: C.S. 3333 AND SENIOR STANDING.
- C S 4340 APPLIED PROGRAMMING PROBLEMS. (OFFERED ON DEMAND)
ASSIGNED DEVELOPMENT PROJECTS TAILORED TO THE INDIVIDUAL STUDENT'S MAJOR AREA OF SPECIALIZATION.
- C S 6308 ADVANCED COMPUTER APPLICATIONS
A STUDY OF THE COMPUTER AS A MANAGEMENT TOOL CONSIDERING ITS PRESENT AND FUTURE CAPABILITIES. THE IMPACT OF COMPUTERS UPON ORGANIZATIONAL POLICY AND RELATED MANAGEMENT PRACTICES, APPLICATIONS IN AUDITING, OPTIMIZATION, SIMULATION, INVENTORY CONTROL AND ANALYSIS.

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- C SR 2313 INTRODUCTION TO COMMUNITY SERVICES.
A STUDY OF SOME OF THE INSTITUTIONS INVOLVED IN COMMUNITY SERVICES TO SECURE AN OVERVIEW OF THEIR STRUCTURE, FUNCTIONS AND VALUES.
- C SR 2323 COOPERATIVE EDUCATION AND SOCIAL WORK
THIS COURSE IS DESIGNED FOR STUDENTS SEEKING SOCIAL WORK CREDIT THROUGH THE COOPERATIVE EDUCATION PROGRAM PROVIDED THE FOLLOWING CONDITIONS ARE MET: (A) THE STUDENT'S PROJECT MUST BE DIRECTLY RELATED TO HIS MAJOR; (B) THE STUDENT MUST BE UNDER DIRECT ACADEMIC SUPERVISION; (C) THE STUDENT MUST COMPLETE WRITTEN ASSIGNMENTS TO BE EVALUATED BY THE SUPERVISING TEACHER; AND (D) THE STUDENT MUST UNDERGO AN ORAL EXAMINATION ADMINISTERED BY THE MAJOR DEPARTMENT. CREDIT APPLIES AS AN ELECTIVE ONLY.
- C SR 3313 SOCIAL WELFARE LEGISLATION.
AN EXAMINATION OF THE RELATIONSHIP BETWEEN MAN AND LAW AS IT PERTAINS TO COMMUNITY SERVICES AND TO ACQUAINT THE STUDENT WITH NATIONAL, RURAL AND URBAN INSTITUTIONS OF LAW.
- C SR 3323 METHODOLOGY OF COMMUNITY SERVICES.
AN EXAMINATION OF REHABILITATED, HABILITATED AND PREVENTIVE GOALS OF COMMUNITY SERVICES AND HOW THESE ARE ACHIEVED BY INTERPERSONAL HOMOGENEOUS GROUPS AND INTER-GROUP COMMUNITY METHODS.
- C SR 3333 SPECIAL TOPICS IN SOCIAL WORK ISSUES
AN ANALYSIS OF CONCEPTUAL FRAMEWORKS, CONTENT, LABORATORY EXPERIENCES AND RESEARCH OPPORTUNITIES IN CURRENT SOCIAL ISSUES WITH PARTICULAR RELEVANCE TO OUR COMMUNITY, REQUIRING THE SOCIAL WORKER'S INTERVENTIVE, PROBLEM-SOLVING KNOWLEDGE, VALUES AND SKILLS, AND PREPARING HIM/HER AND OTHER HELPING PROFESSIONALS FOR INTERDISCIPLINARY COLLABORATION IN ACHIEVING EFFECTIVE SOCIAL CHANGE OBJECTIVES. SEQUENTIAL REGISTRATION FOR UP TO SIX HOURS IS PERMITTED AS TOPICS VARY. TOPICS WILL VARY ACCORDING TO TIMELINESS OF ISSUES, STUDENT DEMAND AND AVAILABILITY OF FACULTY.
PREREQUISITE: NINE HOURS OF SOCIAL WORK COURSES OF CONSENT OF INSTRUCTOR.
- C SR 3334 SPECIAL TOPICS IN SOCIAL WORK ISSUES
AN ANALYSIS OF CONCEPTUAL FRAMEWORKS, CONTENT, LABORATORY EXPERIENCES AND RESEARCH OPPORTUNITIES IN CURRENT SOCIAL ISSUES WITH PARTICULAR RELEVANCE TO OUR COMMUNITY, REQUIRING THE SOCIAL WORKER'S INTERVENTIVE, PROBLEM-SOLVING KNOWLEDGE, VALUES AND SKILLS AND PREPARING HIM/HER AND OTHER HELPING PROFESSIONALS FOR INTERDISCIPLINARY COLLABORATION IN ACHIEVING EFFECTIVE SOCIAL CHANGE OBJECTIVES. SEQUENTIAL REGISTRATION FOR UP TO SIX HOURS IS PERMITTED AS TOPICS VARY. TOPICS WILL VARY ACCORDING TO TIMELINESS OF ISSUES, STUDENT DEMAND AND AVAILABILITY OF FACULTY.
PREREQUISITE: NINE HOURS OF SOCIAL WORK COURSES OR CONSENT OF INSTRUCTOR.
- C SR 4313 SOCIAL WELFARE POLICY AND PROGRAMS.
PHILOSOPHICAL AND HISTORICAL PERSPECTIVES OF SOCIAL WELFARE SERVICES AND SOCIAL WORK PRACTICE AND FOSTERS THE DEVELOPMENT OF DESCRIPTIVE, ANALYTICAL AND CRITICAL UNDERSTANDING OF SOCIAL WELFARE POLICIES, ISSUES AND PROGRAMS. STUDY OF ROLES OF POLICY MAKERS, PROCESS OF SOCIAL CHANGE AND THE ROLE OF THE SOCIAL WORKER AS A FACILITATOR OF CHANGE.
PREREQUISITE: JUNIOR STANDING.
- C SR 4323 SEMINAR IN THE PROBLEMS OF COMMUNITY SERVICES
SMALL GROUPS, TUTORIALS AND INDIVIDUAL INQUIRY METHODS ARE USED FLEXIBLY TO ENABLE STUDENTS TO STUDY IN DEPTH PROBLEM(S) IN COMMUNITY SERVICES. CONTENT OF COURSE WILL DEPEND UPON THE ISSUE ASSIGNED AND THE METHODOLOGY OF INQUIRY (OR METHODOLOGIES) SELECTED IN CONCERN WITH THE INSTRUCTOR.

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- C SR 4333 MAN IN SOCIETY.**
EMPHASIS IS ON KNOWLEDGE OF HUMAN BEHAVIOR. COURSE BRINGS TOGETHER CONCEPTS FROM BIOLOGY, PSYCHOLOGY, SOCIOLOGY AND ANTHROPOLOGY AND FOCUSES THEM ON SOCIAL WORK ACTIVITIES. CONTENT IS COMPOSED OF ELEMENTS OF THEORY, FACTS AND CONCEPTS CONCERNED WITH MAN AS BIO-PSYCHO-SOCIAL ENTITY IN RELATIONS TO HIS TOTAL ENVIRONMENT.
PREREQUISITES: JUNIOR STANDING.
- C SR 4613 FIELD EXPERIENCE IN COMMUNITY SERVICES.**
A MINIMUM OF TWO FULL DAYS A WEEK (APPROXIMATELY 300 HOURS PER SEMESTER) IN-THE-FIELD EXPERIENCES IN ESTABLISHED SOCIAL AGENCIES OR INFORMAL SETTINGS UNDER JOINT SUPERVISION OF AGENCY AND UNIVERSITY. STUDENTS WILL RECEIVE EDUCATIONALLY DIRECTED FIELD INSTRUCTION WITH ENGAGEMENT IN DIRECT SERVICE ACTIVITIES AS WELL AS GAIN KNOWLEDGE OF COMMUNITY RESOURCES AND AGENCY TECHNIQUES FOR MEETING TODAY'S SOCIAL PROBLEMS. CONCURRENT SEMINAR THREE HOURS WEEKLY AND STUDENT ADVISORY CONFERENCE ONE HOUR PER WEEK. MAY BE REPEATED ONCE FOR CREDIT.
PREREQUISITES: C SR 2313, 3323. NOT OFFERED IN THE SUMMER.
- C SR 4614 FIELD EXPERIENCE IN COMMUNITY SERVICES. (OPTIONAL)**
SAME AS 4613, BUT IN A PRACTICE FIELD OF SPECIAL INTEREST TO THE STUDENT.
PREREQUISITES: COMM. SERV. 2313, 3323, 4613.
- CHEM 1401 GENERAL CHEMISTRY.**
FUNDAMENTAL PRINCIPLES OF PURE AND APPLIED CHEMISTRY. INCLUDES THEORIES OF THE PHYSICAL AND CHEMICAL STRUCTURE OF ELEMENTS, COMPOUNDS AND MIXTURES. THREE HOURS LECTURE AND THREE HOURS LABORATORY.
PREREQUISITE: FOUR YEARS OF HIGH SCHOOL MATHEMATICS OR MATH 2307, 1335, 1340 OR 2330 OR CONCURRENT ENROLLMENT IN MATH 2307, 1340 OR 2330.
\$3.00 LABORATORY FEE.
- CHEM 1402 GENERAL CHEMISTRY.**
A CONTINUATION OF CHEMISTRY 1401 INCLUDING IONIC EQUILIBRIUM, OXIDATION-REDUCTION, QUALITATIVE ANALYSIS, INORGANIC AND INTRODUCTORY ORGANIC CHEMISTRY. THREE HOURS LECTURE AND THREE HOURS LABORATORY.
PREREQUISITE: CHEM. 1401. \$3.00 LABORATORY FEE.
- CHEM 2401 QUANTITATIVE ANALYSIS.**
AN INTRODUCTORY STUDY OF METHODS, EQUIPMENT AND PRACTICES OF QUANTITATIVE INORGANIC CHEMISTRY. BOTH VOLUMETRIC GRAVIMETRIC PROCEDURES WILL BE COVERED IN THE LABORATORY WORK. TWO HOURS LECTURE AND SIX HOURS OF LABORATORY.
PREREQUISITE: CHEM. 1402. \$4.00 LABORATORY FEE.
- CHEM 3301 INORGANIC CHEMISTRY.**
AN INTRODUCTORY STUDY OF THE ELEMENTS, OTHER THAN CARBON AND THEIR COMPOUNDS BASED ON THE PERIODIC CLASSIFICATION AND CERTAIN RELATED THEORETICAL CONCEPTS EXPLAINING STRUCTURE AND REACTIVITY. THREE HOURS LECTURE.
PREREQUISITE: 12 HOURS OF CHEMISTRY.
- CHEM 3401 ORGANIC CHEMISTRY.**
A STUDY OF CARBON COMPOUNDS WITH ALIPHATICS AND AROMATICS CONSIDERED IN PARALLEL. THIS COURSE IS EITHER TERMINAL OR CONTINUOUS WITH CHEMISTRY 3404. LABORATORY WORK IS MAINLY BASIC TECHNIQUES AND PREPARATION AND PURIFICATION OF COMPOUNDS. THREE HOURS LECTURE AND THREE HOURS LABORATORY.
PREREQUISITE: CHEM. 1402. \$4.00 LABORATORY FEE.
- CHEM 3402 QUANTITATIVE ANALYSIS.**
A CONTINUATION OF CHEMISTRY 2401 COVERING THE MORE ADVANCED QUANTITATIVE METHOD, WITH SPECIAL EMPHASIS ON SEPARATION AND ANALYSIS OF MIXTURES. TWO HOURS LECTURE AND SIX HOURS LABORATORY.
PREREQUISITE: A "C" OR BETTER IN CHEM. 2401. \$4.00 LABORATORY FEE.

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- CHEM 3403 BIOCHEMISTRY.**
AN ELEMENTARY COURSE IN PHYSIOLOGICAL CHEMISTRY OR BIOCHEMISTRY.
THREE HOURS LECTURE AND THREE HOURS LABORATORY.
PREREQUISITE: CHEM. 3401. \$4.00 LABORATORY FEE.
- CHEM 3404 ORGANIC CHEMISTRY**
A CONTINUATION OF CHEMISTRY 3401. COVERAGE OF COMPOUNDS IS DETAILED.
THREE HOURS LECTURE AND THREE HOURS LABORATORY.
PREREQUISITE: CHEM. 3401. \$5.00 LABORATORY FEE.
- CHEM 4201 CHEMISTRY PROBLEMS.**
A COURSE ADAPTED TO THE STUDY OF SPECIAL TOPICS IN CHEMISTRY. FOR
ADVANCED STUDENTS CAPABLE OF DEVELOPING A PROBLEM INDEPENDENTLY THROUGH
CONFERENCE AND ACTIVITIES DIRECTED BY THE INSTRUCTOR. PROBLEM IS
CHOSEN BY THE STUDENT WITH THE APPROVAL OF THE INSTRUCTOR PRIOR TO
REGISTRATION.
PREREQUISITE: MAJOR IN CHEMISTRY WITH AT LEAST JUNIOR STANDING. \$4.00
LABORATORY FEE.
- CHEM 4202 CHEMISTRY PROBLEMS.**
A CONTINUATION OF CHEMISTRY 4201.
PREREQUISITE: CHEM. 4201. \$4.00 LABORATORY FEE.
- CHEM 4301 HISTORY AND PHILOSOPHY OF CHEMISTRY.**
A STUDY OF THE HISTORICAL AND PHILOSOPHICAL DEVELOPMENT OF CHEMICAL
CONCEPTS. THREE HOURS LECTURE.
PREREQUISITE: 12 SEMESTER HOURS OF CHEMISTRY.
- CHEM 4302 BIOCHEMISTRY.**
THE REACTIONS OF INTERMEDIARY METABOLISM. THREE HOURS LECTURE.
PREREQUISITES: CHEM. 3401 AND CHEM. 3403.
- CHEM 4368 RECENT ADVANCES IN CHEMISTRY.**
A COURSE TO ACQUAINT TEACHERS WITH CURRENT THINKING IN THE FIELD
OF CHEMISTRY, SUCH AS MOLECULAR ORBITAL THEORY, QUANTUM THEORY,
STEREO-CHEMISTRY, ETC.
PREREQUISITE: TWELVE HOURS OF CHEMISTRY.
- CHEM 4378 SPECIAL TOPICS IN CHEMISTRY.**
A COURSE DESIGNED TO COVER IN MORE DETAIL THE MORE SPECIALIZED AREAS
IN THE FIELD OF CHEMISTRY.
PREREQUISITE: TWELVE HOURS OF CHEMISTRY.
- CHEM 4388 INSTRUMENTAL ANALYSIS**
A STUDY OF MEASUREMENT TECHNIQUES AND METHODS USING INSTRUMENTS TO
OBTAIN QUALITATIVE AND QUANTITATIVE INFORMATION. INCLUDES A STUDY
OF INSTRUMENT MODULES, TRANSDUCERS, AMPLIFIERS, CONTROL AND READ OUT
DEVICES. WILL USUALLY INCLUDE COMPUTER APPLICATION EITHER TO
INSTRUMENT CONTROL OR DATA REDUCTION. ONE HOUR LECTURE AND SIX HOURS
LABORATORY. LAB FEE \$5.00.
PREREQUISITE: A KNOWLEDGE OF QUANTITATIVE ANALYTICAL TECHNIQUE.
- CHEM 4401 PHYSICAL CHEMISTRY.**
EXPLANATION AND MATHEMATICAL DEVELOPMENT OF THE THEORIES AND PRINCIPLES
OF CHEMISTRY WITH ATTENTION TO THE SUBJECTS OF ATOMIC STRUCTURE,
THE GAS LAWS, THERMODYNAMICS, THE PHASE RULE AND SIMILAR TOPICS. THREE
HOURS LECTURE AND THREE HOURS LABORATORY.
PREREQUISITES: SIX SEMESTER HOURS OF CALCULUS. \$4.00 LABORATORY FEE.
- CHEM 4402 PHYSICAL CHEMISTRY.**
A CONTINUATION OF CHEMISTRY 4401. THREE HOURS LECTURE AND THREE HOURS
LABORATORY.
PREREQUISITE: CHEM. 4401. \$4.00 LABORATORY FEE.

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- CHEM 4403 MOLECULAR SPECTROSCOPY.**
THE INTERPRETATION OF INFRARED, ULTRAVIOLET, NUCLEAR MAGNETIC AND MASS SPECTRA, PARTICULARLY IN REGARD TO APPLICATIONS IN ORGANIC CHEMISTRY. LABORATORY WORK DEALS MAINLY WITH PROBLEMS WHICH REQUIRE THE READING OF SPECTRA FROM AVAILABLE REFERENCE DATA. THREE HOURS LECTURE AND THREE HOURS LABORATORY.
PREREQUISITE: CHEM. 3401. \$4.00 LABORATORY FEE.
- CHEM 5301 BIOCHEMISTRY**
THE REACTIONS OF INTERMEDIARY METABOLISM. THREE HOURS LECTURE.
PREREQUISITES: CHEM. 3401 AND CHEM. 3403
- CHEM 5302 ADVANCED TOPICS IN CHEMISTRY**
A STUDY OF SELECTED AREAS FROM VARIOUS CHEMICAL SPECIALTIES AT A LEVEL BEYOND THAT ATTAINED IN UNDERGRADUATE WORK. TOPICS SELECTED WILL BE DETERMINED FROM THE LEVEL OF CHEMICAL KNOWLEDGE AND THE NEEDS OF THOSE ENROLLED. THREE HOURS LECTURE.
- CHEM 5303 INSTRUMENTAL ANALYSIS**
A STUDY OF MEASUREMENT TECHNIQUES AND METHODS USING INSTRUMENTS TO OBTAIN QUALITATIVE AND QUANTITATIVE INFORMATION. INCLUDES A STUDY OF INSTRUMENT MODULES, TRANSDUCERS, AMPLIFIERS, CONTROL AND READ OUT DEVICES. WILL USUALLY INCLUDE COMPUTER APPLICATION EITHER TO INSTRUMENT CONTROL OR DATA REDUCTION. ONE HOUR LECTURE AND SIX HOURS LABORATORY.
LAB FEE \$5.00.
PREREQUISITE: A KNOWLEDGE OF QUANTITATIVE ANALYTICAL TECHNIQUE.
- CRIJ 1301 INTRODUCTION TO LAW ENFORCEMENT**
THE HISTORY, DEVELOPMENT AND PHILOSOPHY OF PROFESSIONAL LAW ENFORCEMENT; AN OVERVIEW OF LAW ENFORCEMENT AND CIVIL RIGHTS; DISCUSSION OF JURISDICTIONAL RESPONSIBILITIES IN LAW ENFORCEMENT; A SURVEY OF THE CRIMINAL JUSTICE SYSTEM AND ITS ADMINISTRATION; CAREER OPPORTUNITIES.
- CRIJ 1312 POLICE ORGANIZATION AND ADMINISTRATION**
DISCUSSION OF BASIC PRINCIPLES OF ADMINISTRATION, ORGANIZATION, AND MANAGEMENT; METHODS OF APPLYING ADMINISTRATIVE TECHNIQUES TO LAW ENFORCEMENT AGENCIES; INTERDISCIPLINARY RESOURCES AVAILABLE TO POLICE ADMINISTRATORS, FUNCTIONAL RESPONSIBILITIES OF THE POLICE ADMINISTRATOR.
- CRIJ 2303 POLICE ROLE IN CRIME AND DELINQUENCY**
AN OVERVIEW OF THE NATURE OF JUVENILE DELINQUENCY; THE DETECTION AND APPREHENSION OF JUVENILE DELINQUENTS; THE THEORY AND PRACTICE OF JUVENILE COURTS; A GENERAL DISCUSSION OF LEADING CASE LAW CONCERNING JUVENILE RIGHTS; CRIME PREVENTION THROUGH OFFICER INTERACTION WITH JUVENILES.
- CRIJ 2304 POLICE - COMMUNITY RELATIONS**
A STUDY OF THE PROBLEMS INVOLVING LAW ENFORCEMENT AGENCIES AND THE COMMUNITY; HOW TO MAKE EFFECTIVE USE OF THE MASS MEDIA TO FURNISH INFORMATION REGARDING LAW ENFORCEMENT ACTIVITIES; THE PHILOSOPHY OF COMMUNITY ACTION GROUPS AND BOARDS; THEORIES REGARDING POLICE INVOLVEMENT IN COMMUNITY PROJECTS AND THE PRINCIPLES AND TECHNIQUES USED IN ESTABLISHING A PROPER LAW ENFORCEMENT IMAGE. PRINCIPLES AND TECHNIQUES OF CRIME PREVENTION AND VARIOUS APPROACHES TO CRIME PREVENTION PROGRAMS.
- CRIJ 2323 CRIMINAL INVESTIGATION**
AN INTRODUCTION AND ANALYSIS OF CURRENT CRIMINAL INVESTIGATION PROCEDURES; PHILOSOPHY OF THE CRIME SCENE INVESTIGATION; AND ADVANCED PHILOSOPHY OF THE CRIME SCENE INVESTIGATION; AN ADVANCED STUDY OF IMPORTANT AREAS INVOLVED IN CRIMINAL INVESTIGATION; SUCH AS PROPER HANDLING OF PHYSICAL EVIDENCE, ARREST SEARCH AND SEIZURE, HEARINGS, AND PROBABLE CAUSE. A DISCUSSION OF TECHNIQUES INVOLVED IN DRUG AND NARCOTIC INVESTIGATIONS.
PREREQUISITE: 12 SEMESTER HOURS OF CRIMINAL JUSTICE, CRIJ 1301.

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- CRIJ 2331 LEGAL ASPECTS OF LAW ENFORCEMENT**
A DISCUSSION OF THE CONSTITUTIONAL ASPECTS OF CRIMINAL LAW; PHILOSOPHY OF CRIMINAL LAW MAKING PROCESS; BASIC CONCEPTS OF TEXAS CRIMINAL LAW, INCLUDING GENERAL PROVISIONS OF THE PENAL CODE; THE LAW OF PRINCIPLES, ACCOMPLICES AND ACCESSORIES; AN OVERVIEW OF OFFENSES AGAINST PUBLIC PEACE, PERSONS AND PROPERTY, STRESSING ELEMENTS AND PROOF; A STUDY OF OFFENSES AGAINST MORALS AND CHASTITY; AND A SURVEY OF CASE STUDY AND BRIEFINGS.
- CRIJ 2332 CRIMINAL PROCEDURE AND EVIDENCE**
A SURVEY OF RULES OF EVIDENCE WITH PARTICULAR IMPORT AT THE LEVEL OF OPERATION; THE THEORY OF SIGNED STATEMENTS; THE PHILOSOPHY OF A HEARING FOR THE ARRESTED PERSON; THE PHILOSOPHY OF THE TRIAL PROCEDURE AND THE LAW ENFORCEMENT OFFICER'S PLACE IN THE COURT; AND THE THEORY OF PROBABLE CAUSE. A REVIEW OF THE TEXAS CODE OF CRIMINAL PROCEDURE.
PREREQUISITE: CRIJ 2331
- CRIJ 3301 CROWD CONTROL & DISASTER OPERATIONS**
DISASTER PLANNING AND CIVIL DEFENSE PROGRAMS; SPECIALIZED TACTICS, OPERATION AND EQUIPMENT; AND OVERVIEW OF MINORITY GROUP PROBLEMS; THE PSYCHOLOGY OF CROWDS AND MOBS; A REVIEW OF DUTIES AND RESPONSIBILITIES OF LAW ENFORCEMENT OFFICERS IN CROWD CONTROL; AN OVERVIEW OF HUMAN AND PUBLIC RELATIONS IN CROWDS AND CROWD CONTROL AND IMPORTANCE OF LOCAL INTELLIGENCE AND PREPAREDNESS.
- CRIJ 3311 TRAFFIC ADMINISTRATION AND CONTROL**
THE ADMINISTRATIVE PROCESS AS RELATED TO THE POLICE TRAFFIC CONTROL FUNCTION; PRINCIPLES OF THE TRAFFIC MANAGEMENT; THE PHILOSOPHY OF TRAFFIC SUPERVISION AND CONTROL; A STUDY OF THE NATURE AND VOLUME OF TRAFFIC; THE THEORY OF TRAFFIC LAW ENFORCEMENT; A STUDY OF PRINCIPLES GOVERNING UNIFORM TRAFFIC CONTROL DEVICES.
PREREQUISITE: SIX HOURS OF CRIJ.
- CRIJ 3312 POLICE RECORDS SYSTEMS**
THE PHILOSOPHY, PRINCIPLES AND OBJECTIVES OF POLICE RECORDS; A STUDY OF THE FUNDAMENTALS AND PURPOSES OF POLICE REPORT WRITING, STUDIES OF VARIOUS RECORD SYSTEMS AND RELATED COMMUNICATION SYSTEMS, A STUDY OF THE UNIFORM CRIME REPORTING SYSTEM OPERATION AND CLASSIFICATION.
PREREQUISITES: CRIJ 1301, 1312.
- CRIJ 3321 VICE AND NARCOTICS CONTROL**
THE STUDY OF NARCOTICS AND VICE OPERATIONS AND THEIR CONTROL BY LAW ENFORCEMENT AND RELATED AGENCIES, THE PURPOSE OF INTELLIGENCE OPERATIONS AND THE EXAMINATION OF ORGANIZED CRIME. INCLUDED IN THIS COURSE IS THE STUDY OF DRUGS AND THEIR EFFECTS; CAUSES AND TREATMENT OF DRUG ABUSE; AND VICE AND NARCOTICS ENFORCEMENT AND PREVENTION TECHNIQUES.
PREREQUISITE: 6 HOURS CRIJ.
- CRIJ 3331 LEGAL ASPECTS OF CORRECTIONS**
LEGAL PROBLEMS AND PRINCIPLES FROM CONVICTION TO RELEASE. TO INCLUDE CONSIDERATION OF CONVICTIONS, IMPRISONMENT, SENTENCING, CONDITIONAL RELEASE, POST CONVICTION PROCEDURES, PRISONER RIGHTS, PROBATIONERS RIGHTS AND VALIDITY OF CONVICTION.
- CRIJ 3341 PROBATION AND PAROLE**
THE PHILOSOPHY, HISTORY AND PRINCIPLES OF PROBATION, PAROLE AND OTHER COMMUNITY-BASED TREATMENT PROGRAMS, PHILOSOPHY OF PUNISHMENT AND REHABILITATION; TRENDS, PRACTICES AND CURRENT RESEARCH IN PROBATION AND PAROLE, INCLUDING METHODS OF ANALYSIS, SELECTION AND PREDICTION.
- CRIJ 3342 PHILOSOPHIES OF CONTEMPORARY CORRECTIONS**
THE STUDY OF PRISONER CUSTODY AND MANAGEMENT; AN OVERVIEW OF PRISONER RIGHTS AND INSTITUTIONAL LIABILITY; COMPREHENSIVE OVERVIEW OF MODERN CORRECTIONAL TECHNOLOGY, IN HOUSE REHABILITATION PROGRAMS, TRANSITIONAL

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PROBLEMS OF THE INCARCERATED, AND ADMINISTRATIVE PROBLEMS OF
CORRECTIONAL MANAGEMENT.

- CRIJ 3402 CURRENT LITERATURE AND RESEARCH IN CRIMINAL JUSTICE**
A REVIEW OF CURRENT LITERATURE AND EXAMINATION OF SELECTED PROBLEMS AFFECTING THE CRIMINAL JUSTICE SYSTEM; INSTRUCTION OF STEPS INVOLVED IN THE SCIENTIFIC APPROACH TO PROBLEM SOLVING; DISCUSSION OF RESEARCH TECHNIQUES AND PAPER WRITING; APPLICATIONS OF RESEARCH IN CRIMINAL JUSTICE.
- CRIJ 4311 ADVANCED POLICE ORGANIZATION AND ADMINISTRATION**
IN DEPTH DISCUSSION OF ORGANIZATIONAL AND ADMINISTRATIVE THEORY; COMPARATIVE DISCUSSION OF PHILOSOPHIES UTILIZED IN BUSINESS AND PUBLIC ADMINISTRATION WITH POTENTIAL REALTIONSIPS TO POLICE ORGANIZATIONS; METHODOLOGY OF SOCIETAL TRENDS AFFECTING CRIMINAL JUSTICE ADMINISTRATION.
PREREQUISITES: CRIJ 1301, 1312.
- CRIJ 4312 PRINCIPLES OF LAW ENFORCEMENT SUPERVISION**
AN EXAMINATION OF THE PRINCIPLES INVOLVED IN LAW ENFORCEMENT SUPERVISION; PRINCIPLES OF LEADERSHIP IN DEALING WITH PEOPLE; PSYCHOLOGY INVOLVED IN HANDLING GRIEVANCES AND IN BUILDING MORALS; DUTIES AND RESPONSIBILITIES OF COMMAND LEVEL PERSONNEL; LAW ENFORCEMENT BUDGETING PROCEDURES. SUPERVISORY PROBLEMS AND RESPONSIBILITIES RELATING TO DISCIPLINE AND INTERNAL AFFAIRS INVESTIGATIONS.
- CRIJ 4401 PRACTICUM-FIELD EXPERIENCES**
FOUR HOURS DUTY PER WEEK WITH A LAW ENFORCEMENT AGENCY; THREE HOURS SEMINAR OF CONSULTATION PER WEEK; EVALUATION OF STUDENT AND AGENCY CRITTIQUES AND REPORTS; EXPANSION OF THE LAW ENFORCEMENT PHILOSOPHY ENCOUNTERED IN FIELD WORK, PROBLEMS AND ISSUES.
PREREQUISITES: 12 HOURS OF CRIJ AND SENIOR STANDING.
- DRAM 1101 REHEARSAL AND PERFORMANCE (FALL, SPRING)**
EXPERIENCE IN PLAY REHEARSAL AND PERFORMANCE AS ACTOR OR MEMBER OF THE THEATRE STAFF IN DEPARTMENTAL PRODUCTIONS. ONE HOUR CREDIT EACH SEMESTER.
- DRAM 1102 REHEARSAL AND PERFORMANCE (FALL, SPRING)**
EXPERIENCE IN PLAY REHEARSAL AND PERFORMANCE AS ACTOR OR MEMBER OF THE THEATRE CREW IN DEPARTMENTAL PRODUCTIONS. ONE HOUR OF CREDIT EACH SEMESTER.
- DRAM 1103 STAGE MOVEMENT I**
A BEGINNING COURSE IN STAGE MOVEMENT, INCLUDING INSTRUCTION AND PRACTICE IN STAGE POSTURE, STAGE BUSINESS, WORKING IN COSTUMES, AND MOVEMENT IN VARIOUS PERIODS AND STYLES OF PERFORMANCE. THE COURSE IS AN ACTIVITY CLASS, INVOLVING STUDENTS IN EXTENSIVE PRACTICE EACH CLASS SESSION. STUDENTS WILL BE EXPECTED TO PROVIDE PRACTICE CLOTHES FOR THE COURSE. THE CLASS MEETS THREE HOURS PER WEEK.
- DRAM 1104 STAGE MOVEMENT II**
AN ADVANCED COURSE IN STAGE MOVEMENT, WHICH INCLUDES WORK ON PANTOMIME, SPECIAL TECHNIQUES OF MOVEMENT SUCH AS THE USE OF WEAPONS IN PERIOD PLAYS, ELEMENTARY STUNTS, AND EXERCISES DESIGNED TO IMPROVE MOTOR ACTIVITY PERFORMANCE FOR STAGE PURPOSES. STUDENTS ARE EXPECTED TO PROVIDE PRACTICE CLOTHES FOR THE COURSE. THE CLASS MEETS THREE HOURS PER WEEK.
- DRAM 1303 ORAL READING**
INTRODUCTION AND PRACTICE IN THE PRINCIPLES OF SPEECH APPLIED TO ORAL PRESENTATION OF LITERARY FORMS. OF PARTICULAR IMPORTANCE TO TEACHERS, MINISTERS, DRAMA AND RADIO STUDENTS. MAY ALSO BE COUNTED AS SPEECH
1303.

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- DRAM 1305 VOICE AND DICTION
STUDIES IN THE MECHANICS OF SPEECH; TRAINING IN BREATHING, ARTICULATION, PRONUNCIATION AND PHONETICS. REQUIRED OF DRAMA MAJORS AND MINORS.
- DRAM 1321 STAGECRAFT I
INSTRUCTION AND PRACTICE IN THE METHODS OF CONSTRUCTION, PAINTING, RIGGING, SHIFTING STAGE SCENERY AND THEATRE OPERATIONS. 2 HOURS LECTURE AND 2 HOURS LAB.
- DRAM 1322 STAGECRAFT II
CONTINUATION OF STAGECRAFT I. INSTRUCTION AND PRACTICAL EXPERIENCE IN PLAY PRODUCTION PROBLEMS, INCLUDING LIGHTING AND SOUND. 2 HOURS LECTURE, 2 HOURS LAB.
- DRAM 1323 COSTUMING
A STUDY OF THE BASIC ELEMENTS OF COSTUMING STYLE AND DESIGN, WITH SPECIAL EMPHASIS ON THE PROBLEMS ENCOUNTERED IN DESIGNING CLOTHING FOR THEATRICAL PURPOSES. COURSE REQUIREMENTS INCLUDE DESIGNING AND CUTTING PATTERNS FOR A PARTICULAR SHOW AND ATTENDING COSTUMING LAB THREE HOURS WEEKLY.
- DRAM 1610 SUMMER THEATRE WORKSHOP (SUMMER)
DESIGNED TO INTRODUCE BEGINNING STUDENTS TO BASIC TECHNIQUES OF THEATRICAL STAGING THROUGH PRACTICAL APPLIED SITUATIONS. THIS THEATRE WORKSHOP REQUIRES STUDENTS TO PARTICIPATE IN A SERIES OF PRODUCTIONS FOR PUBLIC VIEWING. DUE TO THE EXTENSIVE NATURE OF THE COURSE, STUDENTS MUST OBTAIN PERMISSION OF THE INSTRUCTOR TO TAKE OTHER STUDIES DURING THE SUMMER SEMESTER ENROLLMENT AND THEY MUST CLEAR WITH THE INSTRUCTOR ANY OBLIGATIONS WHICH MIGHT INTERFERE WITH THEIR COMPLETE PARTICIPATION.
- DRAM 2101 REHEARSAL AND PERFORMANCE (FALL, SPRING)
EXPERIENCE IN PLAY REHEARSAL AND PERFORMANCE AS ACTOR OR MEMBER OF THE THEATRE STAFF IN DEPARTMENTAL PRODUCTIONS. ONE HOUR CREDIT EACH SEMESTER.
- DRAM 2102 REHEARSAL AND PERFORMANCE (FALL, SPRING)
EXPERIENCE IN PLAY REHEARSAL AND PERFORMANCE AS ACTOR OR MEMBER OF THE THEATRE CREW IN DEPARTMENTAL PRODUCTIONS. ONE HOUR OF CREDIT REQUIRES 6 1/2 HOURS OF PARTICIPATION. MAY BE TAKEN EIGHT TIMES. OPEN TO ALL STUDENTS. 4 SEMESTER HOURS REQUIRED FOR DRAMA MAJORS.
- DRAM 2301 INTRODUCTORY STUDY OF THE THEATRE
AN INTRODUCTION TO THE VARIOUS TYPES AND STYLES OF PLAYS AND ACTING AS WELL AS TO THE MAJOR FIELDS OF THEATRE ARTS.
- DRAM 2302 THE MODERN THEATRE
A STUDY AND APPLICATION OF CONTEMPORARY THEATRICAL MOVEMENTS, METHODS AND IDEAS OF PLAY CONSTRUCTION AND PRESENTATION.
- DRAM 2304 ADVANCED INTERPRETATION
AN ADVANCED STUDY OF THE PROBLEMS OR ORAL INTERPRETATION OF VARIOUS LITERARY FORMS. RECOMMENDED FOR STUDENTS PREPARING TO TEACH LITERATURE, FOR STUDENTS INTERESTED IN RADIO, TV, THE MINISTRY AND FOR SPEECH MAJORS.
PREREQUISITE: SPEECH 1303. MAY ALSO BE COUNTED AS SPEECH 2304.
- DRAM 2313 READINGS IN DRAMATIC LITERATURE (FALL, SPRING, SUMMER)
CRITICAL REVIEW AND ANALYSIS OF SELECTED CLASSIC PLAYS FROM GREEK ANTIQUITY TO THE PRESENT TIME, DESIGNED TO CLARIFY THE NATURE AND MAJOR ACHIEVEMENTS OF WESTERN DRAMATIC ART. CAN BE COUNTED AS ENGLISH OR DRAMA.
- DRAM 2323 ACTING I
ACTING PRINCIPLES AND APPLICATION OF THESE PRINCIPLES IN CLASS

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EXERCISES. OPPORTUNITIES ARE ALSO OFFERED FOR PARTICIPATION IN DEPARTMENTAL PRODUCTIONS.

- DRAM 2324 ACTING II
INTENSIVE STUDY OF THE TECHNIQUES INVOLVED IN BUILDING AND DEVELOPING A CHARACTERIZATION. PARTICIPATION IN DEPARTMENTAL PRODUCTIONS IS ENCOURAGED.
PREREQUISITE: ACTING I.
- DRAM 2325 LIGHTING AND MAKE-UP
A STUDY OF LIGHTING AS IT RELATES TO AND AFFECTS MAKE-UP, INCLUDING THE STUDY OF COLOR IN LIGHT, MAKE-UP DESIGN AND APPLICATION AND SPECIAL EFFECTS MAKE-UP. REQUIREMENTS OF THE COURSE INCLUDE A MAJOR SEMESTER MAKE-UP PROJECT AND ATTENDANCE AT A LAB THREE HOURS PER WEEK.
- DRAM 3101 REHEARSAL AND PERFORMANCE
EXPERIENCE IN PLAY REHEARSAL AND PERFORMANCE AS ACTOR OR MEMBER OF THE THEATRE STAFF IN DEPARTMENTAL PRODUCTIONS. ONE HOUR CREDIT EACH SEMESTER
- DRAM 3102 REHEARSAL AND PERFORMANCE
EXPERIENCE IN PLAY REHEARSAL AND PERFORMANCE AS ACTOR OR MEMBER OF THE THEATRE STAFF IN DEPARTMENTAL PRODUCTIONS. ONE HOUR CREDIT EACH SEMESTER.
- DRAM 3303 WORLD THEATRE HISTORY I
A STUDY OF THEATRE HISTORY FROM THE GREEKS TO THE CLOSING OF THE ENGLISH THEATRES IN 1642. PATTERNS OF DEVELOPMENT IN WORLD THEATRE AS INDICATED BY EVOLVING ARCHITECTURAL STRUCTURE, CHANGING DRAMATIC FORMS, STYLES OF PRODUCTIONS AND PERFORMANCES. MOTION PICTURES AND SLIDES ARE USED WITH TAPES AND RECORDINGS TO AUGMENT LECTURES.
- DRAM 3304 WORLD THEATRE HISTORY II
A CONTINUATION OF WORLD THEATRE HISTORY BEGINNING WITH THE RESTORATION PERIOD IN ENGLAND, CONTINUING WITH MOLIERE, THE GOLDEN AGE OF SPANISH DRAMA, THE GERMAN ROMANTIC PERIOD, UP TO THE PRESENT TIME. NEW MODES OF MODERN THEATRE ARE STRESSED. MOTION PICTURES AND SLIDES ARE USED WITH TAPES AND RECORDINGS TO AUGMENT LECTURES. CREDIT MAY NOT BE OBTAINED FOR THIS COURSE IF CREDIT HAS BEEN EARNED PREVIOUSLY FOR DRAMA 2304.
- DRAM 3306 CREATIVE DRAMATICS FOR THE ELEMENTARY TEACHER (FALL AND SPRING)
A STUDY OF INFORMAL DRAMA AND ITS APPLICATION TO THE ELEMENTARY CLASSROOM WITH THE OBJECTIVE OF DEVELOPMENT OF CREATIVITY THROUGH ORIGINAL DRAMATIZATIONS BY CHILDREN. OF SPECIAL INTEREST TO THE YOUNG TEACHER. MAY ALSO BE COUNTED AS SPEECH 3306. CREDIT MAY NOT BE OBTAINED FOR THIS COURSE IF CREDIT HAS BEEN EARNED PREVIOUSLY FOR DRAM 3304 OR SPEECH 3306.
- DRAM 3311 CONTEMPORARY DRAMA (FALL, SUMMER ON DEMAND)
A STUDY OF TRENDS AND MOVEMENTS IN 20TH CENTURY AMERICAN, BRITISH AND EUROPEAN DRAMA, WITH EMPHASIS ON WORKS OF MAJOR PLAYWRIGHTS.
PREREQUISITES: SIX SEMESTER HOURS OF SPEECH AND 12 SEMESTER HOURS OF ENGLISH.
- DRAM 3321 SCENIC DESIGN AND LIGHTING
BASIC PRINCIPLES OF DESIGN AS APPLIED TO MODERN STAGE PRODUCTION, OFFERED IN CONJUNCTION WITH STUDY OF STAGE LIGHTING DESIGN. OF SPECIAL INTEREST TO TEACHERS WHO MAY FIND THEMSELVES ASSIGNED TO SCHOOL DRAMATICS AND SIMILAR ACTIVITIES. CREDIT MAY NOT BE OBTAINED FOR BOTH DRAMA 3321 AND ART 3323. 2 HOURS LECTURE, 2 HOURS LAB.
- DRAM 3324 PROBLEMS IN ACTING

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INDIVIDUAL AND GROUP INSTRUCTION IN SPEECH AND MOVEMENT FOR STAGE, RADIO AND TELEVISION. THE COURSE IS DESIGNED TO TRAIN THE STUDENT TO SUIT HIS PERFORMANCE REQUIREMENTS TO VARIOUS AND DIFFERING MEDIA. LAB ASSIGNMENTS INCLUDE PANTOMIME, CHARACTERIZATION, VOICE TRAINING FOR THE STUDENT ACTOR, RECOMMENDED AS AN ELECTIVE FOR THE SERIOUS DRAMA STUDENT. TWO HOURS LECTURE; TWO HOURS LAB.
PREREQUISITE: DRAMA 2324 OR PERMISSION OF THE INSTRUCTOR.

DRAM 3325 THEORY AND STYLES OF ACTING
DESIGNED TO TEACH PERIOD ACTING STYLES, THIS COURSE IS A COMBINATION OF LECTURE AND DEMONSTRATION, MOTION PICTURE FILMS, STUDENT PARTICIPATION, AND OUTSIDE READINGS, COMBINED TO TRAIN STUDENTS IN THEORY AS WELL AS THE PRACTICAL ASPECTS OF VARIOUS ACTING TECHNIQUES.
PREREQUISITE: DRAMA 2324 OR BY PERMISSION OF THE INSTRUCTOR.

DRAM 3326 THEATRE MANAGEMENT AND PUBLICITY
A STUDY OF THE BASIC PRINCIPLES INVOLVED IN PRODUCING AND PUBLICIZING A SHOW. PRACTICAL EXPERIENCE WILL BE GAINED IN THE AREAS OF PUBLICITY RELEASE WRITING, BOX OFFICE MANAGEMENT, PROGRAM AND POSTER DESIGN AND PUBLIC RELATIONS. A THREE HOUR-PER-WEEK LAB IS REQUIRED, AND A SEMESTER PROJECT WILL BE COMPLETED.

DRAM 4101 REHEARSAL AND PERFORMANCE (FALL, SPRING)
EXPERIENCE IN PLAY REHEARSAL AND PERFORMANCE AS ACTOR OR MEMBER OF THE THEATRE CREW IN DEPARTMENTAL PRODUCTIONS. ONE HOUR OF CREDIT REQUIRES 60 HOURS OF PARTICIPATION. MAY BE TAKEN EIGHT TIMES. OPEN TO ALL STUDENTS. 4 SEMESTER HOURS REQUIRED FOR DRAMA MAJORS.

DRAM 4102 REHEARSAL AND PERFORMANCE (FALL, SPRING)
EXPERIENCE IN PLAY REHEARSAL AND PERFORMANCE AS ACTOR OR MEMBER OF THE THEATRE CREW IN DEPARTMENTAL PRODUCTIONS. ONE HOURS OF CREDIT REQUIRES 60 HOURS OF PARTICIPATION. MAY BE TAKEN EIGHT TIMES. OPEN TO ALL STUDENTS. 4 SEMESTER HOURS REQUIRED FOR DRAMA MAJORS.

DRAM 4301 THEORY OF DIRECTING AND PRODUCTION
STUDY, OBSERVATION AND PRACTICE IN SELECTING PLAYS AND WORKING WITH PROBLEMS, METHODS AND TECHNIQUES OF DIRECTION AND PRODUCTION. 2 HOURS LECTURE; 2 HOURS LAB.
PREREQUISITE: NINE SEMESTER HOURS OF DRAMA.

DRAM 4302 APPLIED DIRECTION AND PRODUCTION
A CONTINUATION OF DRAMA 4301 WITH STRESS UPON STUDENT DIRECTION AND PRODUCTION. PREREQUISITE: DRAMA 4301. 1 HOUR LECTURE, 4 HOURS LAB.

DRAM 4308 RESEARCH IN THEATRE
INDIVIDUAL STUDY DESIGNED TO GIVE ADVANCED STUDENTS EXPERIENCE IN RESEARCH IN THEATRE AREAS. RESEARCH PROGRAMS ARE SUPERVISED BY A FACULTY MEMBER.

DRAM 4309 DIRECTING ACTIVITIES IN DRAMA
A STUDY OF MATERIALS OF INTRAMURAL AND INTERMURAL DRAMA ACTIVITIES, INCLUDING ORAL INTERPRETATION AND OF THE METHODS OF SELECTING AND TRAINING PERFORMERS FOR THESE SPECIALIZED ACTIVITIES. CREDIT MAY NOT BE OBTAINED FOR THIS COURSE IF CREDIT HAS PREVIOUSLY BEEN EARNED FOR SPEECH 4307.

DRAM 4310 PLAYWRITING
A STUDY OF THE BASICS OF PLAYWRITING WITH EMPHASIS ON THE STUDY OF EXAMPLES OF THE BEST IN PLAY CONSTRUCTION. THE COURSE WILL EXAMINE THE TECHNIQUES OF CHARACTER DEVELOPMENT, PLOT CONSTRUCTION AND DIALOGUE, CULMINATING IN A SHORT PLAY WRITTEN BY THE STUDENT. A THREE HOURS WEEKLY LAB WILL BE REQUIRED.

DRAM 4320 CHILDREN'S THEATRE
DESIGNED FOR DRAMA MAJORS AND ELEMENTARY TEACHERS, THIS COURSE INCLUDES

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A STUDY OF THE CRITERIA FOR PLAY SELECTION, CASTING, DIRECTION AND SUPERVISION OF A CHILDREN'S THEATRE PRODUCTION. STUDENTS WORK WITH AND IN A CHILDREN'S PRODUCTION AND EACH STUDENT WILL BE REQUIRED TO DESIGN A PROJECT FOR STAGING WITH YOUNGSTERS. DRAMA 4320 MAY BE COUNTED FOR EITHER DRAMA CREDIT OR EDUCATION 4320 CREDIT.

- DRAM 4610 SUMMER THEATRE WORKSHOP (SUMMER)**
FOR THE ADVANCED UNDERGRADUATE, THIS WORKSHOP COURSE INVOLVES STUDENTS IN PRACTICAL AND APPLIED SITUATIONS IN ALL AREAS OF THEATRICAL PRESENTATION. STUDENTS ARE EXPECTED TO ASSUME RESPONSIBILITY FOR ONE OR MORE OF SEVERAL AREAS OF TECHNICAL THEATRE, PRODUCTION PROBLEMS IN DIRECTING AND ACTING, ALL IN PRODUCTIONS STAGED FOR THE PUBLIC. BECAUSE OF THE INTENSIVE NATURE OF THIS COURSE, STUDENTS ARE NOT ALLOWED TO TAKE OTHER STUDIES DURING THEIR WORKSHOP ENROLLMENT PERIOD, WITHOUT PERMISSION OF THE INSTRUCTOR.
- DRAM 5610 SUMMER THEATRE WORKSHOP**
THIS WORKSHOP COURSE INVOLVES STUDENTS IN PRACTICAL AND APPLIED SITUATIONS IN ALL AREAS OF THEATRICAL PRESENTATION. STUDENTS ARE EXPECTED TO ASSUME MAJOR RESPONSIBILITIES FOR ONE OR MORE OF SEVERAL AREAS OF PRODUCTION. BECAUSE OF THE INTENSIVE NATURE OF THIS COURSE, STUDENTS ARE NOT ALLOWED TO TAKE OTHER STUDIES DURING THEIR WORKSHOP ENROLLMENT PERIOD WITHOUT PERMISSION OF THE INSTRUCTOR.
- ECO 1301 INTRODUCTION TO ECONOMICS. (FALL, SPRING, SUMMER)**
ECONOMICS FOR STUDENTS WHO HAVE ACTIVE INTERESTS IN FIELDS OTHER THAN BUSINESS ADMINISTRATION OR ECONOMICS. PRIMARY EMPHASIS IS GIVEN TO DEVELOPING AN UNDERSTANDING OF MAN IN RELATION TO HIS ECONOMIC ENVIRONMENT. STUDENTS WILL GAIN A KNOWLEDGE OF THE PURPOSE, FUNCTIONS AND RESULTS OF A CAPITALISTIC SYSTEM AND AN UNDERSTANDING OF CURRENT ECONOMIC PROBLEMS.
- ECO 2351 PRINCIPLES OF ECONOMICS: MACROECONOMICS. (FALL, SPRING, SUMMER)**
AN INTRODUCTION TO FUNDAMENTAL ECONOMIC CONCEPTS AND PRINCIPLES. COVERS CAPITALISM, ELEMENTS OF SUPPLY AND DEMAND, BUSINESS ORGANIZATION, DETERMINATION OF NATIONAL INCOME, MONETARY AND FISCAL POLICY.
PREREQUISITE: SOPHOMORE STANDING.
- ECO 2352 PRINCIPLES OF ECONOMICS: MICROECONOMICS. (FALL, SPRING, SUMMER)**
SUPPLY AND DEMAND FACTORS AFFECTING DETERMINATION OF OUTPUT AND PRICES; DISTRIBUTION OF INCOME; AND INTERNATIONAL TRADE.
PREREQUISITE: ECO. 2351.
- ECO 3336 THE POLITICAL ECONOMY OF MEXICO (OFFERED ON DEMAND)**
SURVEYS THE GROWTH OF THE MEXICAN ECONOMY, ITS INSTITUTIONS AND PROBLEMS. EMPHASIS IS PLACED ON THE RELATIVE ROLES OF GOVERNMENT AND PRIVATE ENTERPRISE IN THE DEVELOPMENT PROCESS.
PREREQUISITE: ADVANCED STANDING.
- ECO 3341 ELEMENTARY BUSINESS AND ECONOMIC STATISTICS. (FALL, SPRING, SUMMER)**
COLLECTION, CLASSIFICATION, DESCRIPTION AND PRESENTATION OF NUMERICAL DATA. FREQUENCY DISTRIBUTIONS, AVERAGES, DISPERSION, PROBABILITY AND STATISTICAL INFERENCE. MAY BE COUNTED AS BUSINESS ADMINISTRATION OR ECONOMICS.
PREREQUISITES: 3 SEMESTER HOURS OF MATHEMATICS, ADVANCED STANDING.
- ECO 3342 INTERMEDIATE BUSINESS AND ECONOMIC STATISTICS. (FALL, SPRING,**

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- (SUMMER)
A CONTINUATION OF ELEMENTARY STATISTICS, INCLUDING REGRESSION AND CORRELATION, INDEX NUMBERS, TIME SERIES, NONPARAMETRIC STATISTICS AND OTHER DECISION-MAKING TOOLS. MAY BE COUNTED AS BUSINESS ADMINISTRATION OR ECONOMICS.
PREREQUISITE: B.A. 3341 OR ECO. 3341, AND C.S. 1309.
- ECO 3351 MACROECONOMIC THEORY. (SPRING)
A DESCRIPTIVE-ANALYTICAL APPROACH TO THE CHANGING FORCES THAT INFLUENCE THE OVERALL LEVEL OF ECONOMIC ACTIVITY. INCOME AND EMPLOYMENT FACTORS, STABILIZATION THEORY, INVESTMENT AND INCOME RELATIONSHIPS, MONETARY AND FISCAL POLICIES.
PREREQUISITE: ECO. 2351 AND ADVANCED STANDING.
- ECO 3352 MICROECONOMIC THEORY (FALL, SUMMER) (FORMERLY ECO. 3354)
ECONOMICS OF THE FIRM, ECONOMIC ANALYSIS AND METHODOLOGY, DISTRIBUTION THEORY, PRICE THEORY, IMPERFECT COMPETITION AND MONOPOLY.
PREREQUISITE: ECO 2352 AND ADVANCED STANDING.
- ECO 3353 INTERNATIONAL TRADE. (FALL)
THE MECHANISM OF INTERNATIONAL TRADE AND ITS EFFECTS ON A NATIONAL ECONOMY. FOREIGN INVESTMENTS, CARTELS, INTERNATIONAL OUTPUT AND PRICE CONTROLS.
PREREQUISITE: ECO 2352 AND ADVANCED STANDING.
- ECO 3355 ECONOMIC DEVELOPMENT IN LATIN AMERICA. (SPRING)
A SURVEY OF THE RECORD OF ECONOMIC GROWTH IN LATIN AMERICA. AN ANALYSIS OF THE RESOURCES AND INSTITUTIONAL CONTRIBUTIONS IN PAST GROWTH AND THEIR ROLE IN FUTURE DEVELOPMENT.
PREREQUISITE: ECO. 2352 AND ADVANCE STANDING.
- ECO 3356 BUSINESS ENTERPRISE AND PUBLIC POLICY. (FALL)
SEE B.A. 3356 FOR COURSE DESCRIPTION AND PREREQUISITE. MAY BE COUNTED AS ECONOMICS OR BUSINESS ADMINISTRATION.
- ECO 3357 ECONOMICS OF POVERTY
CAUSES AND SOCIAL CONSEQUENCES OF POVERTY; NATURES AND EFFECTIVENESS OF INCOME TRANSFER PROGRAMS, INCLUDES TOPICS SUCH AS WELFARE REFORM, SOCIAL SECURITY, PENSION PLANS, MEDICARE, NATIONAL HEALTH AND NEGATIVE INCOME TAX PROGRAMS.
PREREQUISITE: 3 HOURS OF PRINCIPLES OF ECONOMICS.
- ECO 3381 MONEY AND BANKING. (FALL, SPRING, SUMMER)
PRINCIPLES OF MONEY AND BANKING, INCLUDING TYPES OF CREDIT-GRANTING INSTITUTIONS, SERVICES OF COMMERCIAL BANKS AND OTHER SHORT-TERM CREDIT INSTITUTIONS, AND THE PLACE OF THE FEDERAL RESERVE SYSTEM IN OUR ECONOMIC SYSTEM.
PREREQUISITES: 3 SEMESTER HOURS EACH OF ACCOUNTING AND ECONOMICS AND ADVANCED STANDING.
- ECO 3390 PUBLIC FINANCE. (OFFERED ON DEMAND)
SEE B.A. 3390 FOR COURSE DESCRIPTION AND PREREQUISITE. MAY BE COUNTED AS ECONOMICS OR BUSINESS ADMINISTRATION.
- ECO 4345 BUSINESS APPLICATIONS AND RESEARCH. (FALL, SPRING)
SEE B.A. 4345-48 FOR COURSE DESCRIPTION AND PREREQUISITE. MAY BE COUNTED AS ECONOMICS OR BUSINESS ADMINISTRATION.
- ECO 4346 BUSINESS APPLICATIONS AND RESEARCH. (FALL, SPRING)
SEE B.A. 4345-48 FOR COURSE DESCRIPTION AND PREREQUISITE. MAY BE COUNTED AS ECONOMICS OR BUSINESS ADMINISTRATION.

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- ECO 4347 BUSINESS APPLICATIONS AND RESEARCH. (FALL, SPRING)
SEE B.A. 4345-48 FOR COURSE DESCRIPTION AND PREREQUISITE. MAY BE
COUNTED AS ECONOMICS OR BUSINESS ADMINISTRATION.
- ECO 4348 BUSINESS APPLICATIONS AND RESEARCH. (FALL, SPRING)
SEE B.A. 4345-48 FOR COURSE DESCRIPTION AND PREREQUISITE. MAY BE
COUNTED AS ECONOMICS OR BUSINESS ADMINISTRATION.
- ECO 4351 BUSINESS CYCLES AND FORECASTING. (OFFERED ON DEMAND)
AN EXAMINATION OF BASIC THEORIES OF BUSINESS CYCLES AND THE RELATION
BETWEEN BUSINESS FLUCTUATION, INVESTMENT, INCOME AND THE MONEY SUPPLY
WITH THE EMPHASIS ON THE EFFECTS OF GOVERNMENT POLICIES ON BUSINESS
FLUCTUATIONS.
PREREQUISITE: ECO. 3351 OR ECO. 3381 OR CONSENT OF INSTRUCTOR.
- ECO 4352 ECONOMICS OF MANAGEMENT. (OFFERED ON DEMAND)
ECONOMIC PRINCIPLES AND TECHNIQUES APPLIED TO THE DECISION MAKING
PROCESS AS REQUIRED IN THE MANAGEMENT OF THE FIRM. ECONOMIC ANALYSIS
AND THEORY ARE USED TO FORMULATE BUSINESS POLICY, MAKE PRICING
DECISIONS AND EVALUATE THE EFFICIENCY OF THE FIRM.
PREREQUISITE: ECO 2352 OR ECO. 3352 AND ADVANCED STANDING.
- ECO 4354 ECONOMICS OF HUMAN RESOURCES
LABOR ECONOMICS, MANPOWER MANAGEMENT AND COLLECTIVE BARGAINING; THE
OBJECTIVES OF LABOR UNIONS AND EMPLOYER ASSOCIATIONS; AN APPRAISAL OF
PUBLIC POLICY AND LABOR LEGISLATION AS IT AFFECTS PRODUCERS AND
CONSUMERS.
PREREQUISITE: ECO. 2352 AND ADVANCED STANDING.
- ECO 4357 REGIONAL - URBAN ECONOMICS
INTRODUCTION TO ECONOMIC THEORIES AND POLICIES ASSOCIATED WITH
REGIONAL AND URBAN DEVELOPMENT. THE ROLE OF THE POLICY MAKING,
GOVERNMENT AGENCIES AND FIRMS IN REGIONAL URBAN DEVELOPMENT.
INCLUDES TOPICS SUCH AS INDUSTRIAL DEVELOPMENT, POVERTY, HOUSING
AND TRANSPORTATION.
PREREQUISITE: ECO 2351, 2352.
- ECO 4359 HISTORY OF ECONOMIC THOUGHT. (OFFERED ON DEMAND)
A SURVEY OF THE ENTIRE FIELD OF ECONOMICS. PRESCIENTIFIC, CLASSICAL
AND CONTEMPORARY WORKS WILL BE STUDIED TO GAIN A KNOWLEDGE OF THE
DEVELOPMENT OF ECONOMIC THEORY AND VIEW OF CURRENT DIRECTION AND
SCOPE.
PREREQUISITE: TWELVE SEMESTER HOURS OF ECONOMICS AND ADVANCED STANDING.
- ECO 5351 ECONOMIC FLUCTUATIONS AND FORECASTING
AGGREGATE ECONOMICS FROM A BUSINESS MANAGEMENT POINT OF VIEW. CONSIDERS
THE NATURE, CAUSES AND EFFECTS OF ECONOMIC FLUCTUATIONS, MONETARY AND
FISCAL POLICY OF THE GOVERNMENT, AND ECONOMIC FORECASTING.
- ECO 5352 MANAGERIAL ECONOMICS
THE APPLICATION OF ECONOMIC ANALYSIS TO MANAGEMENT IN THE BUSINESS FIRM.
CONSIDERS DEMAND ANALYSIS, PRODUCTION COSTS, PRICING POLICIES AND
INVESTMENT PLANNING. EXTENSIVE USE IS MADE OF CASE PROBLEM ANALYSIS.
PREREQUISITES: ECO 2352 OR 3354.
- ECO 5357 REGIONAL URBAN ECONOMICS
STUDY OF ECONOMIC THEORIES AND POLICIES ASSOCIATED WITH REGIONAL AND
URBAN DEVELOPMENT AND PLANNING. SPECIAL EMPHASIS ON INPUT-OUTPUT
ANALYSIS AND INTERDEPENDENCY OF ECONOMIC SECTORS. THE ROLE OF POLICY
MAKING; GOVERNMENT AGENCIES AND FIRMS IN REGIONAL URBAN GROWTH
DEVELOPMENT. INCLUDES TOPICS SUCH AS ECONOMIC DEVELOPMENT, INDUSTRIAL
DEVELOPMENT, POVERTY, HOUSING, TRANSPORTATION, LOCATION THEORY, ECONOMIC
BASE STUDIES, AND PUBLIC POLICY.
PREREQUISITE: ECO 2351, 2352 AND THREE HOURS OF STATISTICS.

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- ECO 5359 DEVELOPMENT OF ECONOMIC THEORY
THE EVOLUTION OF ECONOMIC THEORY FROM THE EARLIEST TIMES TO THE PRESENT. EMPHASIS IS PLACED ON CONTEMPORARY SCHOOLS OF THOUGHT AND THEIR ORIGINS.
PREREQUISITES: 12 SEMESTER HOURS OF ECONOMICS AND GRADUATE STANDING.
- ECO 6357 SEMINAR: ECONOMIC EDUCATION
TECHNIQUES AND MATERIALS OF INSTRUCTION, BEHAVIORAL OBJECTIVES EMPHASIZING AND COMPETENCY IN THE AFFECTIVE DOMAIN, AND IMPLICATIONS OF RESEARCH FOR TEACHING ECONOMIC EDUCATION. WILL INTEGRATE THE CONTENT OF ECONOMICS WITH AN INTERDISCIPLINARY APPROACH TO OTHER SUBJECTS.
PREREQUISITES: SIX HOURS CREDIT IN ECONOMICS AND ONE YEAR'S TEACHING EXPERIENCE.
- ED 1301 INTRODUCTION TO TEACHING.
AN ORIENTATION COURSE IN GENERAL EDUCATION IN A DEMOCRATIC SOCIETY. IT PRESENTS A SURVEY OF THE SCHOOL SYSTEM IN THE UNITED STATES, ITS GROWTH, ITS STRUCTURE, ITS PROBLEMS AND ITS TRENDS AS THEY AFFECT AND ARE AFFECTED BY THE SCHOOLS. INCLUDES FIELD EXPERIENCE ACTIVITIES. MAY BE TAKEN AS AN ELECTIVE. DOES NOT COUNT TOWARD CERTIFICATION.
- ED 1302 INTRODUCTION TO EDUCATIONAL PSYCHOLOGY.
PSYCHOLOGICAL PRINCIPLES BASIC TO PROFESSIONAL EDUCATION WILL BE STRESSED. THE ABILITY TO UNDERSTAND CHILDREN AT ALL LEVELS OF THE SCHOOL ALONG WITH THE PERSONAL GROWTH OF THE PROSPECTIVE TEACHER WILL BE CONSIDERED. DOES NOT COUNT TOWARD CERTIFICATION.
- ED 1303 EARLY CHILDHOOD EDUCATION, FIELD EXPERIENCE LEVEL I.
FIELD EXPERIENCE IN EARLY CHILDHOOD LEARNING CENTERS TO DEVELOP, UNDER SUPERVISION, COMPETENCIES IN CHILD CARE GIVING SUCH AS ORGANIZING LEARNING CENTERS, MAINTAINING PLANNED ARRANGEMENT OF FURNITURE AND MATERIALS FOR MOTOR DEVELOPMENT AND CLASSROOM ORGANIZATION AND OTHER ACTIVITIES CONTRIBUTING TO SETTING UP AND MAINTAINING A SAFE AND HEALTHY LEARNING ENVIRONMENT.
- ED 1304 EARLY CHILDHOOD EDUCATION, FIELD EXPERIENCE, LEVEL II.
FIELD EXPERIENCE IN EARLY CHILDHOOD LEARNING CENTERS DESIGNED TO DEVELOP, UNDER SUPERVISION, COMPETENCIES IN ADVANCING PHYSICAL AND INTELLECTUAL DEVELOPMENT OF CHILDREN.
- ED 1351 ART WORKSHOP FOR TEACHERS.
AN ACTIVITY COURSE DESIGNED FOR THE INEXPERIENCED PRE-SCHOOL TEACHER OR WORKER. THE FUNDAMENTALS OF ART ARE EMPHASIZED WITH A PRACTICAL APPLICATION AT THE PRE-SCHOOL LEVEL.
- ED 1352 MUSIC WORKSHOP FOR TEACHERS.
AN ACTIVITY COURSE DESIGNED FOR THE INEXPERIENCED PRE-SCHOOL (WORKER, TEACHER). FUNDAMENTALS OF MUSIC WILL BE TAUGHT BUT EMPHASIS IS ON BUILDING A REPERTOIRE OF SONGS AND RHYTHM ACTIVITIES THROUGH CLASS PARTICIPATION.
- ED 1651 WORKSHOP FOR TEACHER-AIDES.
A WORKSHOP COURSE DESIGNED TO ASSIST IN THE DEVELOPMENT OF CONCEPTS AND SKILLS CONSIDERED DESIRABLE AMONG TEACHER-AIDES IN MIGRANT AND/OR DISADVANTAGED PUPIL PROGRAMS. EXTENSIVE INSTRUCTION AND TRAINING WILL BE GIVEN IN THE VARIOUS ROLES OF THE TEACHER-AIDE. INSTRUCTIONAL AND TRAINING ACTIVITIES WILL INCLUDE LECTURES, CONFERENCES, DEMONSTRATIONS AND A WIDE VARIETY OF PRACTICAL WORK IN THE PREPARATION OF AUDIO-VISUAL MATERIALS AND IN THE USE OF AUDIO-VISUAL EQUIPMENT.
PREREQUISITE: APPOINTMENT TO THE WORKSHOP UNDER THE GUIDELINES SET FORTH BY PAN AMERICAN UNIVERSITY.
- ED 2101 TEACHING HANDWRITING
A COURSE DESIGNED FOR ELEMENTARY SCHOOL TEACHERS WHO WISH NOT ONLY TO DEVELOP A MORE ACCEPTABLE STANDARD OF HANDWRITING WITH A MINIMUM EXPENDITURE OF TIME, BUT WHO WISH TO ATTAIN PROFICIENCY IN THE TEACHING OF BOTH MANUSCRIPT AND CURSIVE PENMANSHIP. LEGIBILITY AND LOGIC OF

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EXECUTION ARE STRESSED.

- ED 2102 ORIENTATION TO BILINGUAL, BICULTURAL EDUCATION
AN INTERDISCIPLINARY COURSE CONSISTING OF A SERIES OF FIFTEEN LECTURES, EACH OF WHICH WILL CONCERN AN IMPORTANT ASPECT OF BILINGUAL/BICULTURAL LEARNING AND TEACHING. THE COURSE IS AN INTRODUCTION TO THE INTERNSHIP PROGRAM.
- ED 2301 INTRODUCTION TO CHILD DEVELOPMENT.
A STUDY OF THE INTERRELATIONSHIP OF BIOLOGICAL AND ENVIRONMENTAL FACTORS IN THE GROWTH OF THE CHILD FROM CONCEPTION THROUGH PUBERTAL CYCLE AND THE APPLICATION OF THIS KNOWLEDGE IN DIRECTING WHOLESOME PERSONALITY DEVELOPMENT. STUDENTS WHO HAVE TAKEN ED. 3311, CHILD GROWTH AND DEVELOPMENT, MAY NOT TAKE THIS COURSE FOR CREDIT. IT IS DESIRABLE, THOUGH NOT MANDATORY, THAT STUDENTS SHALL ALREADY HAVE TAKEN PSY. 2313, INTRODUCTION TO PSYCHOLOGY.
- ED 2302 EARLY CHILDHOOD EDUCATION, FIELD EXPERIENCE. LEVEL III.
FIELD EXPERIENCE IN EARLY CHILDHOOD LEARNING CENTERS DESIGNED TO DEVELOP, UNDER SUPERVISION, COMPETENCIES IN COORDINATING HOME AND CENTER CHILD-REARING PRACTICES AND EXPECTATIONS.
- ED 2303 EARLY CHILDHOOD EDUCATION, FIELD EXPERIENCE. LEVEL IV.
FIELD EXPERIENCE IN EARLY CHILDHOOD CENTERS TO DEVELOP COMPETENCIES IN METHODS AND TECHNIQUES FOR BUILDING SELF-CONCEPT CHILDREN.
- ED 3301 INSTRUCTIONAL TECHNOLOGY
THIS COURSE DEALS WITH MODERN INSTRUCTIONAL STRATEGIES AND THE PROPER USE OF INSTRUCTIONAL MATERIALS BEST SUITED FOR GROUP OR INDIVIDUALIZED INSTRUCTION. SOURCES OF AND PRODUCTION OF MATERIALS, METHODS OF PRESENTATION, EVALUATION OF RESULTS AND PROPER USE AND CARE OF VARIOUS TYPES OF AUDIO, VISUAL AND VIDEO EQUIPMENT ARE STRESSED. DUAL LISTED WITH ED S 3301 (REQUIRED FOR CERTIFICATION).
- ED 3302 EDUCATIONAL PSYCHOLOGY.
A DETAILED APPROACH TO THE APPLICATION OF MODERN PSYCHOLOGICAL PRINCIPLES TO TEACHING-LEARNING SITUATIONS. SATISFIES ADVANCED PROFESSIONAL REQUIREMENTS FOR BOTH ELEMENTARY AND SECONDARY SCHOOL MAJORS. SHOULD BE TAKEN BEFORE ED. 3311 AND 3341.
- ED 3303 EDUCATION: PAST AND PRESENT
A CHRONOLOGICAL SURVEY OF THE PLACE OF EDUCATION IN VARIOUS CIVILIZATIONS; THE HISTORICAL DEVELOPMENT OF EDUCATIONAL OBJECTIVES, METHODS, CURRICULA, ORGANIZATIONS AND DELIBERATIONS, PRESENTED WITH A VIEW TOWARD BETTER UNDERSTANDING OF MODERN EDUCATIONAL PROBLEMS AND PRACTICES.
- ED 3305 FOUNDATIONS OF CROSS-CULTURAL EDUCATION.
AN ANTHROPOLOGICAL INVESTIGATION OF HISTORICAL AND PHILOSOPHICAL FACTORS IN EDUCATION WHICH HAVE APPLICATIONS ACROSS CULTURES AND SUBCULTURES. SPECIAL CONSIDERATION WILL BE GIVEN TO THE MEXICAN-AMERICAN CULTURAL SETTING.
- ED 3311 CHILD GROWTH AND DEVELOPMENT.
THIS COURSE PRESENTS A GENERAL VIEW OF THE PHYSICAL, EMOTIONAL, SOCIAL AND MENTAL DEVELOPMENT OF CHILDREN FROM PRENATAL LIFE TO THE ADOLESCENT PERIOD. SPECIAL EMPHASIS IS GIVEN TO THE INTERRELATEDNESS OF THESE FOUR ASPECTS OF DEVELOPMENT WITH A VIEW TOWARD HELPING PARENTS AND TEACHERS TO UNDERSTAND BETTER AND TO GUIDE THE GROWTH AND DEVELOPMENT OF THE CHILD THROUGH THE PREELEMENTARY AND ELEMENTARY SCHOOL YEARS.
- ED 3312 TESTING, MEASUREMENT AND GUIDANCE -- ELEMENTARY.
THIS COURSE EMPHASIZES THE ROLE OF THE TEACHER IN THE EVALUATION AND GUIDANCE OF CHILDREN IN THE MODERN ELEMENTARY SCHOOL. CONSTRUCTION, ADMINISTRATION, INTERPRETATION AND APPLICATION OF RESULTS OF EVALUATION

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DEVICES WILL BE STUDIED AS THEY APPLY TO DIRECTING LEARNING AND BEHAVIOR IN CLASSROOM SITUATIONS.

- ED 3313 CHILDREN'S LITERATURE.
A COURSE WHICH DEALS WITH CRITERIA OF GOOD LITERATURE FOR THE ELEMENTARY SCHOOL WITH CONSIDERATION OF CHILDREN'S NEEDS AND READING INTERESTS. THE STUDENT WILL READ AND EVALUATE CHILDREN'S BOOKS IN CATEGORIES SUCH AS PICTURE-STORY BOOKS, FOLK TALES, POETRY AND FICTION.
- ED 3321 TEACHING LANGUAGE ARTS.
METHODS OF TEACHING THE LANGUAGE ARTS IN THE ELEMENTARY SCHOOL WITH SPECIAL REFERENCE TO THE BUILDING OF COMMUNICATION SKILLS IN THE CURRICULUM.
- ED 3322 TEACHING THE BILINGUAL CHILD.
DESIGNED FOR TEACHERS IN PRIMARY AND ELEMENTARY GRADES. A STUDY OF THE CULTURAL, SOCIO-ECONOMIC AND PSYCHOLOGICAL FACTORS WHICH INFLUENCE THE BILINGUAL CHILD. COVERS THE RELATIONSHIP BETWEEN LANGUAGE FAMILY AND READING, DIAGNOSING OF LANGUAGE COMPETENCE AND PLANNING INSTRUCTION TO DEMONSTRATED NEEDS, DEVELOPMENT OF TECHNIQUES AND MATERIALS FOR BRINGING PUPIL LANGUAGE COMPETENCE TO A POINT WHERE GROWTH IN READING AND WRITTEN EXPRESSION IS FACILITATED.
- ED 3323 TEACHING READING.
CONSIDERATION OF DIFFERENT METHODS OF TEACHING READING TO THE ELEMENTARY SCHOOL CHILD. INCLUDES THE IMPORTANCE, SCOPE, READING READINESS, BEGINNING INSTRUCTION, COMPREHENSION, READING-STUDY SKILLS, CRITICAL READING AND EVALUATION OF READING PROGRESS.
- ED 3324 TEACHING ENGLISH AS A SECOND LANGUAGE.
A STUDY OF THE ACQUISITION OF LANGUAGES BY THE YOUNG CHILD, FOCUSING ON THE ROLE OF THE CHILD, THE SOCIETY AND THE SCHOOL IN EARLY LANGUAGE DEVELOPMENT, AND THE INTERDEPENDENCE OF LINGUISTIC AND COGNITIVE DEVELOPMENT. THE EVALUATION OF LANGUAGE METHODS, PROGRAMS AND MATERIALS FOR EARLY CHILDHOOD AND THE DEVELOPMENT OF SPECIFIC COMPETENCIES AND MATERIALS SUITABLE FOR TEACHING LANGUAGE TO YOUNG CHILDREN. RECOMMENDED FOR TEACHERS IN EARLY CHILDHOOD.
- ED 3326 TEACHING ELEMENTARY SCIENCE.
A STUDY OF THOSE PHASES OF SCIENCE WHICH ARE USUALLY DEALT WITH IN TEACHING AT THE ELEMENTARY LEVEL. PERTINENT DEMONSTRATIONS AND SKILLS WILL BE TAUGHT TO HELP TEACHERS BECOME MORE PROFICIENT IN HELPING CHILDREN BETTER UNDERSTAND AND APPRECIATE THE NATURAL FORCES WHICH SHAPE THEIR PHYSICAL ENVIRONMENT.
PREREQUISITE: MUST HAVE COMPLETED A LABORATORY SCIENCE.
- ED 3327 TEACHING SOCIAL SCIENCE.
TEACHING SOCIAL SCIENCES IN THE ELEMENTARY SCHOOLS. THE ROLE OF SOCIAL SCIENCES IN THE ELEMENTARY SCHOOLS WITH SPECIAL REFERENCE TO BUILDING UNITS OF WORK IN THE CURRICULUM.
- ED 3328 TEACHING ARITHMETIC.
A TREATMENT OF THE METHODS OF TEACHING ARITHMETIC AT THE ELEMENTARY SCHOOL LEVEL. IT INCLUDES BASIC NUMBER CONCEPTS, FRACTIONS, DECIMALS, PERCENTAGE, THOUGHT PROBLEMS AND SUCH ARITHMETICAL SKILLS AS ARE DEEMED NECESSARY FOR THE TEACHING OF ARITHMETIC AND THE SCIENCES.
PREREQUISITE: MUST HAVE COMPLETED MATH. 1314 AND 1315.
- ED 3329 CORRECTING READING PROBLEMS.
ANALYSIS OF READING DIFFICULTIES ENCOUNTERED DURING REGULAR CLASSROOM INSTRUCTION, WITH EMPHASIS ON PREVENTION OR EARLY CORRECTION. INCLUDES AN APPRAISAL OF MATERIALS AND TECHNIQUES USEFUL TO CLASSROOM TEACHERS AT BOTH ELEMENTARY AND SECONDARY LEVELS.
PREREQUISITE: ED. 3323 OR ED. 4351.

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- ED 3622 TEACHING CONTENT COURSES IN THE BILINGUAL SCHOOL. A COURSE EMPHASIZING A VARIETY OF LEARNING AND TEACHING METHODS AND EFFECTIVE TEACHING PROMOTING AN ACTIVE LEARNING PROCESS IN TEACHING MODERN ELEMENTARY MATHEMATICS, SCIENCE AND SOCIAL STUDIES TO THE BILINGUAL CHILD. COMPETENCY WILL BE ESTABLISHED IN UNDERSTANDING APPROPRIATE CONCEPTS AND THEIR RELATIONSHIPS, CONCEPTUAL SCHEMES AND PROCESSES AND TERMINOLOGY IN ENGLISH AND SPANISH.
PREREQUISITES: SIX SEMESTER HOURS OF MATHEMATICS, A COMPLETED LABORATORY SCIENCE AND 12 SEMESTER HOURS IN THE SOCIAL SCIENCES. ED. 2102.
- ED 3624 TEACHING COMMUNICATION SKILLS IN ENGLISH AND SPANISH. TO UNDERSTAND OF DIFFERENT MATERIALS AND METHODS FOR TEACHING CHILDREN TO SPEAK, READ AND WRITE IN BOTH ENGLISH AND SPANISH. THIS COURSE WILL BE PLACED ON THE AURAL-ORAL APPROACH TO LANGUAGE LEARNING IN BOTH FIRST AND SECOND LANGUAGES. LABORATORY EXPERIENCE IS REQUIRED.
PREREQUISITES: ED. 2102.
FIELD EXPERIENCE IN A TEA ACCREDITED KINDERGARTEN PROGRAM WILL BE A PART OF THE COURSE.
SEMINARS WILL BE HELD TO GUIDE THE STUDENT IN IMPLEMENTING HIS OR HER PROGRAM. IF THEY ARE WORKING TOWARD THE KINDERGARTEN ENDORSEMENT AS A PART OF A B.S. DEGREE IN ELEMENTARY EDUCATION.
PREREQUISITES: ED. 4390, ED. 4391, ED. 4392.
- ED 4301 PERCEPTION AND LANGUAGE DEVELOPMENT. THIS COURSE IS DESIGNED TO HELP THE STUDENT DEVELOP COMPETENCIES IN THE KNOWLEDGE OF BOTH VISUAL AND AUDITORY PERCEPTION AND HOW IT RELATES TO THE DEVELOPMENT OF LANGUAGE. THEORIES OF LINGUISTS AS WELL AS THOSE OF PSYCHOLOGISTS ARE COMPARED. THE STUDENT WILL BE INTRODUCED TO THE PSYCHOLINGUISTIC PROCESSES WHICH CHARACTERIZE COMMUNICATION IN THE CLASSROOM.
- ED 4302 PERCEPTUAL MOTOR DEVELOPMENT. A COURSE DESIGNED TO PROVIDE THE STUDENT OPPORTUNITY TO STUDY THE ASPECTS OF PERCEPTUAL-MOTOR DEVELOPMENT, COMPARATIVE STUDIES OF PERCEPTUAL-MOTOR THEORIES, WILL BE EMPHASIZED AND REMEDIATION USING PERCEPTUAL MOTOR ACTIVITIES WILL BE COVERED. THE STUDENT WILL HAVE OPPORTUNITY TO OBSERVE AND WORK WITH CHILDREN WHO HAVE PERCEPTUAL MOTOR DEFICITS.
- ED 4303 INDIVIDUALIZED INSTRUCTION IN LANGUAGE LEARNING DISABILITIES. A COURSE DESIGNED TO ENABLE A TEACHER TO INTERPRET ALL PSYCHOLOGICAL AND ACADEMIC PROFILES OF CHILDREN AND YOUTH FOR THE PURPOSE OF INDIVIDUALIZING INSTRUCTION. THE COURSE WILL PROVIDE PROFILES OF ACTUAL CASES FOR STUDY. DEMONSTRATION OF COMPETENCY WILL BE REQUIRED.
- ED 4308 TEACHING THE ORTHOPEDICALLY HANDICAPPED. A COURSE DESIGNED TO FAMILIARIZE THE STUDENT WITH THE SPECIALIZED TECHNIQUES AND MATERIALS TO BE USED WITH THE ORTHOPEDICALLY HANDICAPPED. CURRICULUM PROGRAMMING FOR YOUNG CHILDREN THROUGH ADOLESCENCE WILL BE COVERED ALONG WITH FIELD OBSERVATION AND FIELD TRIPS TO FACILITIES FOR THE HANDICAPPED.
PREREQUISITES: ED 4372.
- ED 4311 DIRECTED TEACHING - ELEMENTARY. A COURSE CONSISTS OF OBSERVATION, LIMITED PARTICIPATION IN TEACHING, THEN FULL TEACHING RESPONSIBILITY IN AN ELEMENTARY PUBLIC SCHOOL CLASSROOM TO WHICH THE STUDENT IS ASSIGNED. THIS WORK IS DONE UNDER THE GUIDANCE OF THE TEACHER OF THE CLASS TO WHICH THE STUDENT IS ASSIGNED AND THE SUPERVISION OF A COLLEGE PROFESSOR WHO MAKES PERIODIC OBSERVATIONS AND EVALUATIONS OF THE STUDENT'S PROGRESS. WEEKLY SEMINARS AND INDIVIDUAL CONFERENCES ARE A REQUIRED PART OF THE COURSE. STUDENTS ARE IN THE PUBLIC SCHOOLS CLASSROOM ONE-HALF DAY, MONDAY THROUGH FRIDAY, HALF A SEMESTER. A STUDENT REGISTERED FOR THE COURSE IN THE FALL SEMESTER BEGINS HIS WORK AT THE TIME HIS COOPERATING TEACHER REPORTS FOR WORK IN THE FALL. IF REGISTERED FOR THIS COURSE IN THE SPRING, THE STUDENT COMPLETES HIS WORK WHEN THE PUBLIC SCHOOL TERM ENDS. COURSE IS AVAILABLE ONLY TO STUDENTS SEEKING AN ELEMENTARY CERTIFICATE WITH KINDERGARTEN ENDORSEMENT.

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PREREQUISITE: APPROVAL BY THE TEACHER EDUCATION COMMITTEE.

ED 4312 DIRECTED TEACHING--KINDERGARTEN. COURSE CONSISTS OF OBSERVATION, LIMITED PARTICIPATION IN TEACHING, CLASSROOM TO WHICH THE STUDENT IS ASSIGNED. THIS WORK IS DONE UNDER THE GUIDANCE OF THE TEACHER OF THE CLASS TO WHICH THE STUDENT IS ASSIGNED, AND THE SUPERVISIONS OF A COLLEGE PROFESSOR WHO MAKES PERIODIC OBSERVATIONS AND INDIVIDUAL CONFERENCES ARE A REQUIRED PART OF THE COURSE. WEEKLY SEMINARS ARE IN THE PUBLIC SCHOOLS CLASSROOM ONE-HALF DAY, MONDAY THROUGH FRIDAY, HALF A SEMESTER. A STUDENT REGISTERED FOR THE COURSE IN THE FALL SEMESTER BEGINS HIS WORK AT THE TIME HIS COOPERATING TEACHER REPORTS FOR WORK IN THE FALL. IF REGISTERED FOR THIS COURSE IN THE SPRING, THE STUDENT COMPLETES HIS WORK WHEN THE PUBLIC SCHOOL TERM ENDS. COURSE IS AVAILABLE ONLY TO STUDENTS SEEKING AN ELEMENTARY CERTIFICATE WITH KINDERGARTEN ENDORSEMENT.
PREREQUISITE: APPROVAL BY THE TEACHER EDUCATION COMMITTEE.

ED 4313 DIRECTED TEACHING - LANGUAGE LEARNING DISABILITIES (STUDENTS MUST ALSO BE ENROLLED IN ED. 4311.) THIS LANGUAGE LEARNING DISABILITIES COURSE MUST BE TAKEN BY ALL UNDERGRADUATE STUDENT TEACHERS WORKING TOWARD A SPECIAL EDUCATION ENDORSEMENT FOR TEACHING THE LANGUAGE/LEARNING DISABLED CHILD. COURSE REQUIRED OBSERVATION AND EXPERIENCES IN A PUBLIC SCHOOL L/LD CLASSROOM FOR 1/2 DAY, MONDAY THROUGH FRIDAY, 1/2 A SEMESTER. THIS WORK IS DONE UNDER THE STUDENT IS ASSIGNED. PERIODIC OBSERVATIONS AND EVALUATIONS WILL BE DONE BY THE REQUIRED INSTRUCTOR. WEEKLY SEMINARS AND INDIVIDUAL CONFERENCES ARE A REQUIRED PART OF THE COURSE.
PREREQUISITE: APPROVAL BY THE TEACHER EDUCATION COMMITTEE.

ED 4314 SEMINAR & PRACTICUM IN KINDERGARTEN ED. STUDENT WILL DEVELOP AND IMPLEMENT CURRICULUM PROJECTS IN A KINDERGARTEN CENTER. PROJECTS WILL INCLUDE PLANNING AND MANAGING LEARNING SITUATIONS FOR CHILDREN. FIELD EXPERIENCE IN A TEA ACCREDITED KINDERGARTEN WILL BE HELD TO GUIDE THE STUDENT IN IMPLEMENTING HIS OR HER SEMINAR PROGRAM. MAY NOT BE SUBSTITUTED BY UNDERGRADUATES FOR ED. 4312, IF THEY ARE WORKING TOWARD THE KINDERGARTEN ENDORSEMENT AS A PART OF A B.S. DEGREE IN ELEMENTARY EDUCATION.
PREREQUISITES: ED 4390, ED. 4391, ED. 4392.

ED 4315 PRINCIPLES OF TEACHING WORKSHOP FOR ELEMENTARY/SECONDARY TEACHERS. A WORKSHOP COURSE DESIGNED FOR THE PERSON ENTERING THE TEACHING PROFESSION TO SET A THEORETICAL AND PRACTICAL BASE FOR INQUIRY INTO INTRODUCTION TO TEACHING AND PLANNING FOR GUIDANCE OF LEARNING ACTIVITIES. SPECIAL PERMISSION MUST BE GIVEN TO EACH PARTICIPANT BEFORE ENROLLMENT IN THE COURSE.

ED 4316 PRINCIPLES OF TEACHING WORKSHOP FOR ELEMENTARY/SECONDARY TEACHERS, ADVANCED. A WORKSHOP COURSE DESIGNED FOR THE PERSON ENTERING THE TEACHING PROFESSION TO STUDY CLASSROOM MANAGEMENT AND FOR DEVELOPMENT OF INSTRUCTIONAL SKILLS NEEDED IN THE AREA OF HIS INSTRUCTIONAL ASSIGNMENT. SPECIAL PERMISSION MUST BE GIVEN TO EACH PARTICIPANT BEFORE ENROLLMENT IN THE COURSE.

ED 4317 SKILLS DEVELOPMENT SEMINAR FOR ELEMENTARY/SECONDARY TEACHERS. A PRACTICUM COURSE WHICH FOCUSES ATTENTION ON DEVELOPING A VARIETY OF BASIC TEACHING SKILLS NEEDED IN THE CLASSROOM. SPECIAL PERMISSION MUST BE GIVEN TO EACH PARTICIPANT BEFORE ENROLLMENT IN THE COURSE.

ED 4318 PROBLEMS SEMINAR FOR ELEMENTARY/SECONDARY TEACHERS,

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A PRACTICUM COURSE WHICH FOCUSES ATTENTION ON EFFECTIVE APPLICATION OF A VARIETY OF INSTRUCTIONAL TECHNIQUES. SPECIAL PERMISSION MUST BE GIVEN TO EACH PARTICIPANT BEFORE ENROLLMENT IN THE COURSE. DUAL LISTED WITH ED S 4318.

- ED 4320 CHILDREN'S THEATRE
DESIGNED FOR DRAMA MAJORS AND ELEMENTARY TEACHERS, THIS COURSE INCLUDES A STUDY OF THE CRITERIA FOR SELECTING PLAYS FOR PRODUCTION AND HOW TO CAST, DIRECT AND SUPERVISE A PRODUCTION FOR CHILDREN FROM CHOOSING THE PLAY TO OPENING NIGHT. STUDENTS WORK WITH AND IN A CHILDREN'S PRODUCTION, AND EACH STUDENT WILL BE REQUIRED TO DESIGN A PROJECT FOR STAGING WITH YOUNGSTERS. DRAMA 4320 MAY BE COUNTED FOR EITHER DRAMA CREDIT OR EDUCATION CREDIT.
- ED 4321 INTRODUCTION TO CAREER EDUCATION
THE COURSE INCLUDES THE DEFINITION AND RATIONALE FOR CAREER EDUCATION AS A COMPREHENSIVE, SEQUENTIAL PROGRAM BEGINNING IN EARLY CHILDHOOD AND CONTINUING THROUGH THE ADULT YEARS. EMPHASIS UPON UTILIZING THE CONTENT OF BASIC SUBJECTS, K-12, TO FOCUS ATTENTION ON CAREER OPPORTUNITIES AND REQUIREMENTS IN THE WORLD OF WORK.
- ED 4322 DIRECTED TEACHING - EMOTIONALLY DISTURBED
(STUDENTS MUST ALSO BE ENROLLED IN ED 4311.) THIS COURSE MUST BE TAKEN BY ALL UNDERGRADUATED STUDENT TEACHERS WORKING TOWARD A SPECIAL EDUCATION ENDORSEMENT FOR TEACHING THE EMOTIONALLY DISTURBED CHILD. COURSE REQUIRES OBSERVATION AND TEACHING EXPERIENCES IN A PUBLIC SCHOOL CLASSROOM FOR 1/2 DAY, MONDAY THROUGH FRIDAY, 1/2 A SEMESTER. THIS WORK IS DONE UNDER THE DIRECTION OF A FULLY CERTIFIED TEACHER OF THE CLASS TO WHICH THE STUDENT IS ASSIGNED. PERIODIC COURSE INSTRUCTOR, WEEKLY SIMINARS AND INDIVIDUAL CONFERENCES ARE A REQUIRED PART OF THE COURSE.
PREREQUISITE: APPROVAL BY THE TEACHER EDUCATION COMMITTEE.
- ED 4323 DIRECTED TEACHING - MENTALLY RETARDED
(STUDENTS MUST ALSO BE ENROLLED IN ED 4311.) THIS COURSE MUST BE TAKEN BY ALL UNDERGRADUATED STUDENT TEACHERS WORKING TOWARD A SPECIAL EDUCATION ENDORSEMENT FOR TEACHING THE MENTALLY RETARDED CHILD. COURSE REQUIRES OBSERVATION AND TEACHING EXPERIENCES IN A PUBLIC SCHOOL CLASSROOM FOR 1/2 DAY, MONDAY THROUGH FRIDAY, 1/2 A SEMESTER. THIS WORK IS DONE UNDER THE DIRECTION OF A FULLY CERTIFIED TEACHER OF THE CLASS TO WHICH THE STUDENT IS ASSIGNED. PERIODIC OBSERVATIONS AND EVALUATIONS WILL BE DONE BY THE COURSE INSTRUCTOR. WEEKLY SIMINARS AND INDIVIDUAL CONFERENCES ARE A REQUIRED PART OF THE COURSE.
PREREQUISITE: APPROVAL BY THE TEACHER EDUCATION COMMITTEE.
- ED 4351 DEVELOPMENTAL READING IN SECONDARY SCHOOLS.
THIS COURSE IS DESIGNED TO HELP STUDENTS EXPLORE THE DEVELOPMENTAL NATURE OF READING AT JUNIOR AND SENIOR HIGH SCHOOL LEVELS, WITH PARTICULAR EMPHASIS ON TEACHING CONTENT MASTERY THROUGH READING. (MATERIAL AND TECHNIQUES FOR TEACHING VARIOUS CONTENT SUBJECTS WILL BE DEVELOPED BY CLASS MEMBERS.) CREDIT MAY NOT BE GIVEN FOR BOTH ED. 4351 AND ED. 5351.
- ED 4371 TESTS AND MEASUREMENTS.
THE GOALS OF THIS COURSE ARE: TO ASSESS WITH STANDARDIZED AND INFORMAL INSTRUMENTS THE LEARNING STRENGTHS AND WEAKNESSES OF YOUNG CHILDREN, TO DEMONSTRATE PROFICIENCY IN ADMINISTRATION, SCORING AND INTERPRETATION OF STANDARDIZED AND INFORMAL INSTRUMENTS AND TO ACQUIRE KNOWLEDGE OF THE APPRAISAL PROCEDURES UNDER PLAN A.
- ED 4372 EXCEPTIONAL CHILDREN.
A SURVEY COURSE WHICH INCLUDES DISCUSSION OF THE HISTORY AND THE PHILOSOPHY OF SPECIAL EDUCATION. DIAGNOSTIC TECHNIQUES, EQUIPMENT AND BUILDINGS, METHODS OF TEACHING AND THERAPY AND ADMINISTRATIVE PROCEDURES WILL BE DISCUSSED. EMPHASIS IS GIVEN TO THE TEXAS PLAN OF SPECIAL EDUCATION ALONG WITH THE STUDY OF FURTHER NEEDS. FIELD TRIPS MAY BE REQUIRED.

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- ED 4373 TEACHING MENTALLY RETARDED CHILDREN.
PROBLEMS AND METHODS IN TEACHING MENTALLY RETARDED CHILDREN. THE COURSE IS DESIGNED FOR THOSE INTERESTED IN TEACHING MENTALLY RETARDED CHILDREN. CLASSROOM EXPERIENCES WILL BE EMPHASIZED WITH SOME CONSIDERATION OF RELATED PROBLEMS.
- ED 4374 PSYCHOLOGY OF MENTAL RETARDATION.
THIS COURSE IS DESIGNED FOR THOSE WHO ARE ESPECIALLY INTERESTED IN THE PROBLEMS OF MENTAL RETARDATION. EMPHASIS WILL BE PLACED ON PSYCHOLOGICAL PROBLEMS INCLUDING DIAGNOSTICS AND THE SOCIAL GROWTH AND DEVELOPMENT OF THE MENTALLY RETARDED PERSON.
- ED 4378 TEACHING THE NEUROLOGICALLY HANDICAPPED AND LEARNING DISABLED.
THIS COURSE PROVIDES THE STUDENTS THE OPPORTUNITY TO BECOME COMPETENT IN KNOWLEDGE CONCERNING THE CHARACTERISTICS AND NEEDS OF CHILDREN WITH CEREBRAL DYSFUNCTION. METHODS AND TECHNIQUES IN PSYCHOLINGUISTICS AND PERCEPTUAL MOTOR ACTIVITIES WILL BE STUDIED. ACTUAL OBSERVATION AND WORK WITH L/D CHILDREN WILL BE REQUIRED.
PREREQUISITE: ED. 4301 OR ED. 4302, ED. 4303, ED. 4372 OR PERMISSION OF INSTRUCTOR.
- ED 4390 GROWTH AND DEVELOPMENT OF YOUNG CHILDREN.
EMPHASIS ON DEVELOPMENTAL TASKS AND GROWTH CHARACTERISTICS FROM BIRTH THROUGH THE EIGHTH YEAR WITH EMPHASIS ON THE 3, 4, AND 5 YEAR OLD. EMPHASIS ON PHYSICAL, INTELLECTUAL, SOCIAL AND EMOTIONAL DEVELOPMENT. LECTURES, READINGS, CLASS PARTICIPATION, OBSERVATION.
- ED 4391 EARLY CHILDHOOD CURRICULUM: ORGANIZATION, METHOD AND MATERIALS.
CONSIDERATION OF THE PHILOSOPHY, PURPOSES AND OBJECTIVES OF AN EARLY CHILDHOOD PROGRAM. CONSIDERATION OF CURRICULAR EXPERIENCES THAT MAKE UP THE PROGRAMS; PLANNING A DAILY PROGRAM--THE LEARNING EXPERIENCES AND ACTIVITIES THAT PROVIDE THE YOUNG CHILD WITH A RICH ENVIRONMENT THAT WILL MEET HIS NEEDS, INTERESTS AND ABILITIES. EMPHASIS WILL BE ON ACTIVITIES AND SKILLS TO BROADEN THE CHILD'S UNDERSTANDING AND KNOWLEDGE OF HIS PHYSICAL ENVIRONMENT--HEALTH, SAFETY, SCIENCE AND SOCIAL STUDIES CONCEPTS. EMPHASIS WILL BE ON DEVELOPMENTAL SKILLS FOR READINESS OF NUMBERS CONCEPTS; ORAL LANGUAGE DEVELOPMENT; READING CENTERS OF INTEREST, OF INDIVIDUAL, GROUP AND CLASS ACTIVITIES. LECTURES, READINGS, CLASS PARTICIPATION AND PROJECTS, OBSERVATION.
- ED 4392 CREATIVE ACTIVITIES IN THE KINDERGARTEN
CONSIDERATION OF METHODS OF TEACHING AND MATERIALS--EQUIPMENT AND SUPPLIES--TO BE USED WITH FIVE-YEAR-OLDS. EXPERIENCES EMPHASIZED WILL BE LITERATURE--PICTURE-STORY BOOKS, POETRY, STORYTELLING, DRAMATIZATION, ETC. OTHER ACTIVITIES CONSIDERED WILL BE MUSIC AND ART FOR THE FIVE-YEAR-OLD. CONSIDERATION WILL BE GIVEN TO DEVELOPMENT OF MOTOR-COORDINATION THROUGH WORK AND PLAY ACTIVITIES (INDOOR AND OUTDOOR) WITH SPECIFIC TASKS OUTLINED; AS WELL AS ACTIVITIES TO DEVELOP EYE-HAND COORDINATION AND VISUAL-TACTILE SKILLS. LECTURES, READINGS, CLASS PARTICIPATION AND PROJECTS, OBSERVATION.
- ED 4393 TEACHING YOUNG CHILDREN OF DIVERSE CULTURES.
A STUDY AND EVALUATION OF METHODS AND TECHNIQUES USED TO FURTHER THE COGNITIVE AND LINGUISTIC DEVELOPMENT OF YOUNG CHILDREN FROM DIVERSE CULTURES. LECTURES, READINGS, CLASS PARTICIPATION AND PROJECTS, OBSERVATION.
- ED 4611 DIRECTED TEACHING-ELEMENTARY.
THE FIRST PART OF THE COURSE WILL CONSIST OF THE PREPARATION OF TEACHING MATERIALS, LESSON PLANNING, KEEPING TEACHER RECORDS AND

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MAKING REPORTS, STUDY AND OBSERVATION OF CLASS AND GROUP WORK AND LIMITED PARTICIPATION IN TEACHING AT THE ELEMENTARY LEVEL. THE REMAINING PART OF THE COURSE WILL BE DEVOTED TO OBSERVATION AND RESPONSIBLE TEACHING AT THIS LEVEL UNDER THE GUIDANCE OF A COOPERATING TEACHER. PERIODIC OBSERVATIONS OF THE STUDENT TEACHER AT WORK WILL BE MADE BY THE UNIVERSITY SUPERVISOR. THE STUDENT TEACHER WILL BE ASSIGNED TO A TEACHER IN A PUBLIC SCHOOL FOR ONE-HALF DAY FOR A SEMESTER, MONDAY THROUGH FRIDAY. A WEEKLY SEMINAR AND INDIVIDUAL CONFERENCES ARE A REQUIRED PART OF THE COURSE.

PREREQUISITE: APPROVAL BY THE TEACHER EDUCATION COMMITTEE STUDENT TEACHING PROGRAM AT THE BEGINNING OF THE PUBLIC SCHOOL TERM FOR THE FALL SEMESTER. THOSE TAKING STUDENT TEACHING DURING THE SPRING TERM WILL BE REQUIRED TO REMAIN UNTIL THE END OF THE PUBLIC SCHOOL TERM. (SEE REQUIREMENTS FOR STUDENT TEACHING.)

ED 4613 DIRECTED TEACHING SPEECH AND HEARING
COURSE DESIGNED SPECIFICALLY FOR SPEECH AND HEARING THERAPY MAJORS. PROBLEMS RELATED TO THE MECHANICAL DIMENSION OF LISTENING AND SPEAKING AND TO THE CONCEPTUAL PROCESS WITHIN LANGUAGE DEVELOPMENT WILL BE THE BASIS FOR INDIVIDUAL AND SMALL GROUP DIAGNOSTIC/THERAPEUTIC WORK. EMPHASIS WILL BE PLACED ON CLINICAL EXPERIENCES IN A SCHOOL SETTING UNDER THE SUPERVISION OF A CERTIFIED SPEECH THERAPIST AND A UNIVERSITY SUPERVISOR.

ED 4651 WORKSHOP FOR ELEMENTARY TEACHERS.
A WORKSHOP COURSE DESIGNED TO ASSIST TEACHERS IN PLANNING FOR AN ELEMENTARY CURRICULUM TO MEET THE NEEDS OF MIGRANT AND/OR DISADVANTAGED CHILDREN. SPECIAL PERMISSION MUST BE GIVEN TO EACH PARTICIPANT BEFORE ENROLLMENT IN THE COURSE.

ED 5308 PROBLEMS IN TEACHING THE ORTHOPEDICALLY HANDICAPPED
A STUDY OF THE INTERRELATIONSHIP OF BIOLOGICAL, SOCIAL AND ENVIRONMENTAL FACTORS GOVERNING THE GROWTH AND DEVELOPMENT OF HANDICAPPED CHILDREN. EMPHASIS WILL BE UPON LEARNING STRATEGIES AND MATERIALS TO BE USED WITH CHILDREN WITH THE HANDICAPPING CONDITION OF AN ORTHOPEDIC DEFECT(S). DEVELOPMENT OF CURRICULA, IMPLEMENTATION AND ONGOING EVALUATION OF THE HANDICAPPED STUDENT WILL BE STRESSED. SERVICES FOR THE HANDICAPPED CHILD OUTSIDE OF THE LOCAL EDUCATION AGENCY WILL BE CONSIDERED. DEMONSTRATION OF COMPETENCIES AND CONTACT SITUATIONS WITH HANDICAPPED CHILDREN WILL BE REQUIRED.

PREREQUISITE: ED 4372 OR ED 5372.

ED 5312 TESTS AND MEASUREMENTS FOR THE ELEMENTARY CLASSROOM TEACHER.
THE MAJOR FUNCTION OF THIS COURSE IS TO MAKE A CAREFUL STUDY OF THE SELECTION, ADMINISTRATION, SCORING AND INTERPRETATION OF GROUP STANDARDIZED TESTS APPLICABLE TO THE ELEMENTARY GRADES (KINDERGARTEN THROUGH SIXTH GRADES). SUPPLEMENTARY EMPHASIS WILL BE GIVEN TO STATISTICAL PROCESSES AND ANALYSES APPROPRIATE TO THE ROLE OF THE ELEMENTARY CLASSROOM TEACHER. OPEN ONLY TO STUDENTS WHO HAVE NOT HAD ED. 5312 OR THE EQUIVALENT. CREDIT WILL NOT BE GRANTED FOR THIS COURSE IF ED. 5312 HAS BEEN TAKEN.

ED 5313 READING TESTS
A MAJOR FUNCTION OF THIS COURSE IS TO HELP GRADUATE STUDENTS DEVELOP COMPETENCIES IN THE SELECTION, ADMINISTRATION, SCORING AND INTERPRETATION OF STANDARDIZED TESTS, WITH PARTICULAR EMPHASIS UPON THEIR APPLICATION TO READING INSTRUCTION. SPECIAL EMPHASIS WILL ALSO BE GIVEN TO THE DEVELOPMENT AND USE OF INFORMAL EVALUATIVE INSTRUMENTS TO MEET PARTICULAR READING NEEDS OF STUDENTS.

ED 5314 PRACTICUM IN KINDERGARTEN EDUCATION
GUIDED EXPERIENCES IN AN EARLY CHILDHOOD CENTER, WHEREIN THE STUDENT DEVELOPS CURRICULAR PROJECTS, INCLUDING PLANNING AND IMPLEMENTING DISCRETE LEARNING SITUATIONS AND EPISODES, FOR THE CHILDREN IN THAT SETTING. STUDENT TO BE IN AN EARLY CHILDHOOD CENTER 1/2 DAY EACH DAY OF THE SEMESTER AND ATTEND SUCH SEMINARS AND CONFERENCES AS SUGGESTED BY THE COURSE INSTRUCTOR. AVAILABLE TO STUDENTS SEEKING THE ENDORSEMENT FOR TEACHING IN KINDERGARTEN.

PREREQUISITES: ED. 5390, ED. 5391 AND ED. 5392.

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- ED 5321 CAREER EDUCATION
THIS COURSE INCLUDES THE DEFINITION AND RATIONALE FOR THE CONCEPT OF CAREER EDUCATION AS A COMPREHENSIVE PROGRAM WHEREIN THE STUDENT'S ATTENTION IS FOCUSED ON CAREERS, BEGINNING IN EARLY CHILDHOOD AND CONTINUING THROUGHOUT THE ADULT YEARS. DESCRIBES A SEQUENTIALLY DEVELOPED EDUCATION PROGRAM OFFERING CAREER AWARENESS, CAREER EXPLORATION AND JOB PREPARATION FOR ALL STUDENTS. FOR ELEMENTARY AND SECONDARY, THE PROGRAM INCLUDES A STRUCTURING OF BASIC SUBJECTS, GRADES K-12, AROUND THE THEME OF CAREER OPPORTUNITIES AND REQUIREMENTS IN THE WORLD OF WORK AND EMPHASIZES THE CONTRIBUTION THAT SUBJECT MATTER CAN MAKE TO A SUCCESSFUL CAREER.
- ED 5342 TESTS AND MEASUREMENTS FOR THE SECONDARY CLASSROOM TEACHER.
THIS COURSE EMPHASIZES THE ROLE OF THE TEACHER IN (1) THE SELECTION AND ADMINISTRATION OF STANDARDIZED ACHIEVEMENT AND DIAGNOSTIC TESTS AND (2) THE INTERPRETATION AND USE OF TEST RESULTS IN THE CLASSROOM AS THEY APPLY TO DIRECTING LEARNING IN THE CLASSROOM. CREDIT WILL NOT BE GRANTED FOR THIS COURSE IF ED. 3342 HAS BEEN TAKEN.
- ED 5351 TEACHING READING TO THE SECONDARY STUDENT
THE RELATION OF READING ABILITY TO ACADEMIC ACHIEVEMENT, PROCEDURES FOR TEACHING READING SKILLS NEEDED IN CONTENT AREA READING, AND READING DIFFICULTIES ENCOUNTERED BY SECONDARY STUDENTS ARE INCLUDED IN THIS COURSE. THE STUDENT WILL USE DIAGNOSTIC TOOLS AND TECHNIQUES TO DETERMINE READING NEEDS OF SECONDARY STUDENTS AND WILL DEVELOP READING-LEARNING ACTIVITIES TO MEET THOSE NEEDS. CREDIT WILL NOT BE GRANTED FOR THIS COURSE IF ED. 4351 HAS BEEN TAKEN.
- ED 5352 SECONDARY CLASSROOM METHODS AND MATERIALS
THIS COURSE IS FOR STUDENTS WHO HAVE HAD NO CLASSROOM OR STUDENT TEACHING EXPERIENCE AND PROVIDES STUDENTS WITH OPPORTUNITIES (1) TO APPLY MODERN METHODS AND MATERIALS TO PROBLEMS IN THE SECONDARY CLASSROOM AND (2) TO OBSERVE THE METHODS AND MATERIALS USE BY CLASSROOM TEACHERS. CREDIT WILL NOT BE GRANTED FOR THIS COURSE IF ED. 4352 HAS BEEN TAKEN.
- ED 5372 INDIVIDUAL DIFFERENCES: SURVEY AND TREATMENT
A SURVEY OF ALL CATEGORIES IN EXCEPTIONALITY WITH SPECIAL EMPHASIS ON SCHOOL PLACEMENT ACCORDING TO THE TEXAS PLAN. CREDIT WILL NOT BE GRANTED FOR THIS COURSE IF ED. 4372 HAS BEEN TAKEN.
- ED 5374 PSYCHOLOGY OF MENTAL RETARDATION SEMINAR
THIS COURSE IS DESIGNED PRIMARILY FOR EDUCATIONAL DIAGNOSTICIANS AND OTHER PLAN A SUPPORT PERSONNEL WHO ARE INTERESTED IN AN IN-DEPTH STUDY OF CAUSES, SYMPTOMS AND IMPLICATIONS OF MENTAL RETARDATION. A RESEARCH PAPER IS REQUIRED REGARDING SOME ASPECT OF THE PROBLEM OF MENTAL RETARDATION.
- ED 5390 ADVANCED STUDIES IN THE DEVELOPMENT OF YOUNG CHILDREN
REVIEW OF DEVELOPMENT OF THE CHILD FROM BIRTH TO AGE 8 WITH FOCI ROOTS OF INDIVIDUALITY, ORIGINS OF BEHAVIOR AND FORMATION OF COGNITIVE STRUCTURES. SURVEY OF EARLY ACQUISITION OF LANGUAGE AND INFORMATION SKILLS. PRINCIPAL COURSE EMPHASIS: PHYSICAL CHARACTERISTICS, MODES OF LEARNING, MANAGEMENT OF EMOTION, SELF IDENTIFICATION AND RESPONSIVENESS TO THE DEMANDS OF SOCIAL LIVING BY CHILDREN AGES 3, 4 AND 5. COURSE ACTIVITIES INCLUDE OBSERVATION AND INTERACTION WITH YOUNG CHILDREN, PROJECTS, READINGS AND LECTURES. CREDIT NOT OFFERED FOR BOTH ED. 4390 AND ED. 5390.
- ED 5391 CONSTRUCTING CURRICULUM FOR EARLY CHILDHOOD CENTERS
IDENTIFICATION OF BASIC BELIEFS ABOUT THE NATURE OF YOUNG CHILDREN, ASSUMPTIONS CONCERNING THE PROCESS OF DEVELOPMENT, THEORIES OF LEARNING, SOCIOCULTURAL FACTORS AND VALUES UPON WHICH CURRICULA ARE BASED. CONSTRUCTION OF A CURRICULUM IN MATH, SCIENCE, SOCIAL LEARNINGS, AND LANGUAGE FOR CHILDREN OF AGES 3, 4 AND 5, INCLUDING PLANNING BOTH LEARNING ENVIRONMENT AND DAILY ACTIVITIES. FREQUENT OBSERVING,

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ASSISTING AND TEACHING IN EARLY CHILDHOOD CENTERS REQUIRED. CREDIT NOT PERMITTED FOR BOTH ED. 4391 AND ED. 5391.

ED 5392 RESEARCH AND DEVELOPMENT OF CREATIVE ACTIVITIES FOR YOUNG

CHILDREN
OPPORTUNITIES FOR RESEARCH AND DEVELOPMENT OF CREATIVE ACTIVITIES FOR YOUNG CHILDREN IN ALL AREAS OF CURRICULUM. SPECIFIC EMPHASIS ON CREATIVE DRAMATICS, LITERATURE, ART, MUSIC, CREATIVE PLAY AND THE DEVELOPMENT OF MOTOR SKILLS. STUDENT RESEARCH, LECTURES, READINGS, PROJECTS, OBSERVATION. CREDIT NOT PERMITTED FOR BOTH ED. 4392 AND ED. 5392.

ED 5393 ADVANCED STUDIES OF CULTURAL DIVERSITY IN EARLY CHILDHOOD

CENTERS
DESIGNED TO INVESTIGATE FACETS OF CULTURAL DIVERSITY IN YOUNG CHILDREN AND ITS RELATIONSHIP TO CHILD GROWTH AND DEVELOPMENT, INSTRUCTIONAL COMPETENCIES OF TEACHERS AND HOME-SCHOOL RELATIONSHIPS.

ED 6100 SEMINAR IN COUNSELING AND GUIDANCE
THE DEVELOPMENT OF SKILLS RELATED TO THE HELPING PROFESSION REPRESENTED THROUGH A SERIES OF SIX STEPS. PRIMARILY FOR IN-SERVICE WITH COUNSELORS AND TEACHERS. A STUDENT MAY RECEIVE FROM ONE (1) TO SIX (6) SEMESTER HOURS CREDIT.
PREREQUISITE: PERMISSION OF INSTRUCTOR.

ED 6102 SEMINAR IN COUNSELING AND GUIDANCE
THE DEVELOPMENT OF SKILLS RELATED TO THE HELPING PROFESSION REPRESENTED THROUGH A SERIES OF SIX STEPS. PRIMARILY FOR IN-SERVICE WITH COUNSELORS AND TEACHERS. A STUDENT MAY RECEIVE FROM ONE (1) TO SIX (6) SEMESTER HOURS CREDIT.
PREREQUISITE: PERMISSION OF INSTRUCTOR.

ED 6103 SEMINAR IN COUNSELING AND GUIDANCE
THE DEVELOPMENT OF SKILLS RELATED TO THE HELPING PROFESSION REPRESENTED THROUGH A SERIES OF SIX STEPS. PRIMARILY FOR IN-SERVICE WITH COUNSELORS AND TEACHERS. A STUDENT MAY RECEIVE FROM ONE (1) TO SIX (6) SEMESTER HOURS CREDIT.
PREREQUISITE: PERMISSION OF INSTRUCTOR.

ED 6104 SEMINAR IN COUNSELING AND GUIDANCE
THE DEVELOPMENT OF SKILLS RELATED TO THE HELPING PROFESSION REPRESENTED THROUGH A SERIES OF SIX STEPS. PRIMARILY FOR IN-SERVICE WITH COUNSELORS AND TEACHERS. A STUDENT MAY RECEIVE FROM ONE (1) TO SIX (6) SEMESTER HOURS CREDIT.
PREREQUISITE: PERMISSION OF INSTRUCTOR.

ED 6105 SEMINAR IN COUNSELING AND GUIDANCE
THE DEVELOPMENT OF SKILLS RELATED TO THE HELPING PROFESSION REPRESENTED THROUGH A SERIES OF SIX STEPS. PRIMARILY FOR IN-SERVICE WITH COUNSELORS AND TEACHERS. A STUDENT MAY RECEIVE FROM ONE (1) TO SIX (6) SEMESTER HOURS CREDIT.
PREREQUISITE: PERMISSION OF INSTRUCTOR.

ED 6300 GRADUATE ORIENTATION
THIS COURSE IS DESIGNED TO BROADEN THE PERSPECTIVES OF GRADUATE STUDENTS AND TO INTRODUCE THE STUDENTS TO TECHNIQUES OF RESEARCH AND TO THE VARIOUS FIELDS OF GRADUATE WORK OFFERED ON THIS CAMPUS.
PREREQUISITE: MUST BE TAKEN OR IN PROGRESS PRIOR TO APPLICATION FOR ORALS.

ED 6301 INSTRUCTIONAL MEDIA IN TEACHING
AN ADVANCED COURSE DESIGNED TO PROVIDE STUDENTS WITH SKILLS, INSIGHT

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AND PRACTICE IN THE SELECTION, UTILIZATION, PRODUCTION AND MANAGEMENT OF MODERN INSTRUCTIONAL TOOLS. THE COURSE WILL BE HELPFUL TO TEACHERS AND OTHER PERSONS DESIRING TO DIRECT INSTRUCTIONAL MEDIA CENTERS IN PUBLIC SCHOOLS.
PREREQUISITE: ED. 3301 OR EQUIVALENT.

- ED 6302 ADVANCED EDUCATIONAL PSYCHOLOGY
A RESEARCH APPROACH TO THE AREAS OF TEACHING AND LEARNING. HUMAN LEARNING, CONDITIONS FOR EFFECTIVE LEARNING, INTERFERENCE WITH LEARNING AND BEHAVIORAL OBJECTIVES WILL BE EMPHASIZED.
PREREQUISITE: ED. 3302 OR EQUIVALENT.
- ED 6303 ADVANCED PHILOSOPHY OF EDUCATION
THE DEVELOPMENT OF AMERICAN EDUCATION IN RELATION TO POLITICAL, SOCIAL AND CULTURAL DEVELOPMENTS. SPECIAL ATTENTION IS GIVEN TO THE INFLUENCE OF MOVEMENTS IN THE CULTURAL ENVIRONMENT UPON EVOLVING CONCEPTIONS OF EDUCATIONAL THEORY AND PRACTICE.
- ED 6305 PROBLEMS AND PRACTICES IN COLLEGE TEACHING
A METHODS COURSE IN WHICH SYSTEMATIC INSTRUCTIONAL PROCESSES APPLIED TO THE TEACHING OF EDUCATION WILL BE LEARNED. EMPHASIS WILL BE UPON WRITING AND USING INSTRUCTIONAL MODULES FOCUSED ON BEHAVIORAL OUTCOMES, THE UTILIZATION OF INSTRUCTIONAL TECHNOLOGY AND EVALUATION. REQUIRED OF ALL TEACHING ASSISTANTS IN THE DEPARTMENT OF EDUCATION. DOES NOT COUNT TOWARD DEGREE OR CERTIFICATION.
- ED 6306 SUPERVISION OF STUDENT TEACHING
PRACTICAL APPLICATION OF THE SUPERVISORY ROLE IN THE SUPERVISION OF STUDENT TEACHERS IN A COMPETENCY BASED TEACHER EDUCATION PROGRAM.
- ED 6307 COMPARATIVE EDUCATION
A STUDY OF THE EDUCATIONAL PHILOSOPHIES OF SELECTED NATIONAL SYSTEMS OF EDUCATION. PARTICULAR ATTENTION IS GIVEN TO THE ROLE OF NORMATIVE, INSTITUTIONAL AND ENVIRONMENTAL PATTERNS IN SHAPING EDUCATIONAL POLICIES RELATED TO ADMINISTRATION, CURRICULUM DEVELOPMENT, DIVERSIFICATION AND EXPANSION OF EDUCATIONAL OPPORTUNITY.
PREREQUISITE: ED. 3303 OR EQUIVALENT.
- ED 6308 FOUNDATIONS OF READING INSTRUCTION
THIS COURSE PLACES MAJOR EMPHASIS ON THE NATURE OF THE READING PROCESS AND THE ESSENTIAL COMPONENTS OF A SYSTEMATIC, SEQUENTIAL PROGRAM FOR DEVELOPMENTAL READING INSTRUCTION. VARIOUS APPROACHES FOR TEACHING READING WILL BE SCRUTINIZED AND ANALYZED.
PREREQUISITES: ED. 3323 OR ADMISSION BY TEST PLACEMENT.
- ED 6309 TOPICS IN READING
THIS COURSE IS CONCERNED PRIMARILY WITH INNOVATIONS AND CURRENT ISSUES IN READING INSTRUCTION. TRAINEES WILL SELECT TOPICS OF PARTICULAR INTEREST AND CONCERN TO THEM FOR INTENSIVE STUDY. EXPERIENCES OF THE TRAINEE MAY INCLUDE ACTION RESEARCH, WORKING WITH CLASSROOM TEACHERS AND OTHER ADULTS IN THE SCHOOL COMMUNITY TO ENHANCE THE READING PROGRAM. MAY BE REPEATED ONCE, WHEN EMPHASIS IS ON STUDY IN RESOURCE AREAS OR PROFESSIONAL AREAS RELATED TO THE FIELD OF READING.
- ED 6310 CHILD AND ADOLESCENT LITERATURE
THIS COURSE IS DESIGNED TO HELP THE TRAINEE GAIN COMPETENCE IN (1) SELECTING AND RECOMMENDING LITERATURE FOR CHILDREN AND ADOLESCENTS AND (2) PROVIDING LEADERSHIP AND GUIDANCE TO HELP STUDENTS DEVELOP MATURITY IN READING. THE TRAINEE WILL BE PROVIDED WITH EXPERIENCES WHICH WILL ENABLE HIM TO LOCATE AND SELECT APPROPRIATE LITERATURE FOR STUDENTS AND TO APPLY APPROPRIATE STRATEGIES FOR STIMULATING VOLUNTARY PARTICIPATION AND CONTINUOUS GROWTH IN INDEPENDENT READING.
- ED 6311 ADVANCED CHILD PSYCHOLOGY
THIS IS AN ADVANCED STUDY OF CHILDREN FROM CONCEPTION TO PUBERTY, OR FROM THE PRE-SCHOOL THROUGH THE ELEMENTARY LEVEL, WITH EMPHASIS ON THE

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ROLE PLAYED BY MATURATION AND LEARNING. THE COURSE WILL INCLUDE A STUDY OF RECENT RESEARCH DEALING WITH THEORIES OF COGNITIVE UNFOLDING AND PERSONALITY INTEGRATION.

PREREQUISITE: ED 3311 OR EQUIVALENT.

ED 6313 INDIVIDUAL EDUCATIONAL TESTING
A PRACTICUM IN THE USE OF INDIVIDUAL EDUCATIONAL TESTS, SUCH AS THE ITPA, DETROIT TEST OF LEARNING ABILITY, THE DURRELL SULLIVAN READING TEST, GATES READING TEST, AND GRAY'S READING TEST.

ED 6314 INDIVIDUAL TESTING
PRACTICE IN ADMINISTERING AND SCORING THE WECHSLER INTELLIGENCE SCALES FOR BOTH ELEMENTARY AND SECONDARY STUDENTS. THE WPPSI, WISC AND THE WAIS ARE INCLUDED.
PREREQUISITE: ED 3312 OR EQUIVALENT; ALSO ED 5312 OR ED 6367.

ED 6316 DEVELOPMENT AND ASSESSMENT OF PSYCHO-LINGUISTIC PROCESSES
THE COURSE IS DESIGNED TO ACQUAINT THE STUDENT WITH THE PHYSIOLOGIC MECHANISMS INVOLVED IN THE ACQUISITION OF SPEECH AND LANGUAGE AND TO DEFINE THOSE SOCIAL, PSYCHOLOGICAL AND PERCEPTUAL ASPECTS THAT CONTRIBUTE TO THE DEVELOPMENTAL LANGUAGE TASKS APPROPRIATE FOR VARIOUS CHRONOLOGICAL AND MENTAL AGE LEVELS. THE STUDENT WILL BE GUIDED TOWARD AN UNDERSTANDING OF THE RELATIONSHIP BETWEEN AURAL AND WRITTEN LANGUAGE AND SOCIAL BEHAVIOR. OBSERVATION OF CHILDREN WILL BE INCLUDED IN THE REQUIREMENT.

ED 6317 PERCEPTUAL MOTOR DEVELOPMENT IN YOUNG CHILDREN
THIS COURSE IS INTENDED TO IMPART A KNOWLEDGE OF THE PERCEPTUAL PROCESSES AND HOW THEY AFFECT THE MOTOR DEVELOPMENT OF THE CHILD. THE TACTUAL-KINESTHETIC (HAPTIC), AUDITORY AND VISUAL SENSE MODALITIES WILL BE DEFINED AND DISCUSSED SEPARATELY AND IN RELATION TO EACH OTHER. IMPLICATIONS FOR CLASSROOM BEHAVIOR AND ACADEMIC PERFORMANCE WILL BE DISCUSSED. THERE WILL BE OPPORTUNITIES FOR OBSERVATION OF CHILDREN MANIFESTING ANY ONE OR COMBINATIONS OF PERCEPTUAL DEFICITS.

ED 6318 DIAGNOSTIC AND PRESCRIPTIVE TEACHING
THIS COURSE IS INTENDED TO ENABLE THE TEACHER TO TAKE ALL DATA--PSYCHOLOGICAL, SOCIAL AND EDUCATIONAL--AND TRANSLATE THESE INTO A COURSE OF ACTION FOR HERSELF AND THE CHILD, INCLUDING INDIVIDUALIZED SELECTIONS OF METHODS, MATERIALS AND TECHNIQUES. CRITERIA AND PROCEDURES FOR ONGOING EVALUATION WILL BE AN INTEGRAL PART OF THE COURSE. ACTUAL CASES WILL BE UTILIZED AND THE STUDENT WILL HAVE THE OPPORTUNITY TO PREPARE DIAGNOSIS AND DEVELOP EDUCATIONAL PRESCRIPTIONS. ATTENTION WILL BE GIVEN TO EFFECTIVE, MEANINGFUL REPORTING TO OTHER PROFESSIONALS AS WELL AS PARENTS.
PREREQUISITE: ED 6316, ED 6317.

ED 6319 PRACTICUM IN BILINGUAL EDUCATION
SUPERVISED PRACTICAL EXPERIENCE IN A BILINGUAL/BICULTURAL ELEMENTARY CLASSROOM IN WHICH SEVERAL OF THE ESSENTIAL COMPONENTS OF A BILINGUAL/BICULTURAL EDUCATION PROGRAM WILL BE ANALYZED AND IMPLEMENTED BY EACH PARTICIPANT WITH THE COOPERATION OF LOCAL SCHOOL DISTRICTS. ACTUAL LABORATORY RESPONSIBILITY WILL BE BASED ON THEORETICAL CONCERNS, AS FIELD EXPERIENCES WILL COMPLEMENT THE PRINCIPLES GOVERNING COMMUNITY INVOLVEMENT, CURRICULUM AND INSTRUCTION, INSTRUCTIONAL MATERIALS, STAFF DEVELOPMENT AND ASSESSMENT.

ED 6322 THE BILINGUAL CHILD
A COURSE DESIGNED TO PROVIDE UNDERSTANDING OF THE PROBLEMS AND STRENGTHS OF THE BILINGUAL CHILD WITH EMPHASIS ON THE EDUCATIONAL PROGRAM OF THE MULTI-CULTURAL, MULTI-ETHNIC ELEMENTARY SCHOOL.

ED 6323 PROBLEMS IN THE TEACHING OF READING
THIS COURSE IS CONCERNED WITH ANALYZING AND PRESCRIBING MATERIALS AND TECHNIQUES FOR READING INSTRUCTION TO MEET COMMON READING PROBLEMS. INTEGRATING READING INSTRUCTION WITH OTHER FACETS OF COMMUNICATION, RELATING READING INSTRUCTION TO SOCIO-CULTURAL AND LINGUISTIC

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CHARACTERISTICS OF THE LEARNER, RECREATIONAL READING, GROUPING, CONTENT AREA READING AND OTHER PROBLEMS ARE AMONG THOSE CONSIDERED.
PREREQUISITE: ED 6308.

- ED 6324 SECOND LANGUAGE TEACHING: THEORY AND METHODOLOGY
A STUDY OF THE ACQUISITION OF LANGUAGES BY THE BILINGUAL LEARNER, FOCUSING ON THE ROLE OF THE CHILD, THE COMMUNITY AND THE SCHOOL THROUGH VARIOUS STAGES OF LANGUAGE DEVELOPMENT AND THE RELATIONSHIP OF LINGUISTIC, CULTURAL AND CONCEPTUAL PROCESSES WITHIN A BILINGUAL/ BICULTURAL ENVIRONMENT. THE EVALUATION OF LANGUAGE METHODS AND MATERIALS AS THESE RELATE TO SOCIAL CONTEXT AND THE PRINCIPLES OF COMMUNICATION WILL BE STRESSED.
- ED 6325 PRACTICUM IN READING INSTRUCTION
SUPERVISED EXPERIENCE IN WORKING WITH INDIVIDUAL CHILDREN WHO HAVE READING DIFFICULTIES.
PREREQUISITE: ED. 6329.
- ED 6326 SCIENCE IN THE ELEMENTARY SCHOOL CURRICULUM
DEALS WITH THE PURPOSES, SELECTION AND ORGANIZATION OF CONTENT, TEACHING AND LEARNING PROCEDURES AND EVALUATION OF OUTCOMES IN ELEMENTARY SCHOOL SCIENCE.
PREREQUISITE: A COURSE IN PHYSICAL SCIENCE AND A COURSE IN LIFE SCIENCE.
- ED 6327 SOCIAL STUDIES IN THE ELEMENTARY SCHOOL CURRICULUM
INSTRUCTIONAL PROCEDURES AND LATEST THEORIES IN ELEMENTARY SCHOOL SOCIAL STUDIES. TECHNIQUES OF TEACHING HISTORY AND GEOGRAPHY WITH EMPHASIS ON DEVELOPMENT OF AMERICANISM, CONCEPTUAL SKILLS, ECONOMIC AND CONSERVATION EDUCATION, USE OF MAPS, UNIT ORGANIZATION, PROJECTS AND PUPIL INVOLVEMENT IN COMMUNITY PROBLEMS.
- ED 6328 MATHEMATICS IN THE ELEMENTARY SCHOOL CURRICULUM
STUDY IS MADE OF RECENT RESEARCH IN THE TEACHING OF MATHEMATICS. APPLICATION OF RESEARCH FINDING TO THE TEACHING OF MATHEMATICS IS EMPHASIZED.
- ED 6329 DIAGNOSTIC TEACHING OF READING
THIS COURSE IS DESIGNED TO HELP THE STUDENT GAIN COMPETENCY IN DIAGNOSING READING BEHAVIOR AND IN PRESCRIBING APPROPRIATE READING INSTRUCTION. THE STUDENT WILL DEVELOP OR SELECT, ADMINISTER AND INTERPRET APPROPRIATE DIAGNOSTIC MATERIALS AND TECHNIQUES. HE WILL ALSO BE ABLE TO MAKE APPROPRIATE RECOMMENDATIONS FOR READING INSTRUCTION ON THE BASIS OF SUCH DIAGNOSIS.
PREREQUISITE: ED 6323.
- ED 6330 THE CURRICULUM IN THE ELEMENTARY SCHOOL
DEVELOPMENT OF THE ELEMENTARY SCHOOL CURRICULUM, SIGNIFICANT FACTORS WHICH HELP TO DETERMINE THE CURRICULUM AND IMPLICATIONS OF RESEARCH IN CURRICULUM CONSTRUCTION ARE STUDIED. OPPORTUNITY TO SELECT AND ORGANIZE APPROPRIATE LEARNING EXPERIENCES FOR THE DIFFERENT LEVELS IS OFFERED.
- ED 6331 THE CURRICULUM IN THE SECONDARY SCHOOL
AN OVERVIEW OF THEORIES, PRINCIPLES AND ISSUES IN CURRICULUM PLANNING FOR MODERN EDUCATIONAL EXPERIENCES. IN ADDITION TO AN EXAMINATION OF CURRENT CURRICULAR PRACTICES, PARTICULAR EMPHASIS WILL BE PLACED UPON PROMISING RESEARCH IDEAS AND LOCAL EFFORTS TOWARD IMPROVEMENT IN THE SECONDARY SCHOOL.
- ED 6332 RESEARCH IN ELEMENTARY EDUCATION
A COURSE IN WHICH EACH STUDENT WILL BE GIVEN AN OPPORTUNITY TO CHOOSE FOR STUDY SPECIAL PROBLEMS TO FIT HIS PARTICULAR NEEDS AND INTERESTS: RESEARCH PROCEDURES NEEDED IN THE PREPARATION OF A THESIS OR OTHER RESEARCH REPORTS; TO DEMONSTRATE HIS MASTERY OF THESE PROCEDURES, THE STUDENT WILL PRESENT A RESEARCH PAPER ON A SELECTED PROBLEM.

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- ED 6333 RESEARCH IN SECONDARY EDUCATION
AN INDIVIDUALIZED APPROACH TO CURRENT PROBLEMS IN SECONDARY EDUCATION. EACH STUDENT WILL CHOOSE A TOPIC OR PROBLEM OF HIS CHOICE AND SUMMARIZE AVAILABLE RESEARCH ON IT.
- ED 6334 CURRICULUM DEVELOPMENT--PROBLEMS AND PROCESSES
THE EXAMINATION OF SYSTEMATIC APPROACHES TO DEVELOPING AND EVALUATING ELEMENTARY AND SECONDARY SCHOOL CURRICULUMS AT THE NATIONAL, STATE, LOCAL, SCHOOL DISTRICT AND CAMPUS LEVELS. METHODS OF DEVELOPING AND APPLYING CRITERIA FOR CURRICULUM ANALYSIS OF EACH OF THE MAJOR CURRICULUM AREAS TO BE STUDIED.
- ED 6335 TEACHING ELEMENTARY SCHOOL SUBJECTS IN THE BILINGUAL SCHOOL
A COURSE EMPHASIZING A VARIETY OF ADVANCED INSTRUCTIONAL STRATEGIES APPROPRIATE TO TEACHING MODERN ELEMENTARY MATHEMATICS, SCIENCE AND SOCIAL STUDIES TO THE BILINGUAL CHILD THROUGH THE SPANISH AND ENGLISH LANGUAGES. COMPETENCY WILL BE DETERMINED IN THE AREAS OF PLANNING, ASSESSMENT, TEACHING/LEARNING, COMMUNICATION, MANAGEMENT, CONCEPT DEVELOPMENT, THE SELF-CONCEPT, MATERIALS, COMMUNITY AND PROFESSIONAL LEADERSHIP. PRECISE TERMINOLOGY IN ENGLISH AND SPANISH AND ITS APPLICATION IN THE CLASSROOM WILL BE STRESSED.
- ED 6336 PROBLEMS IN EDUCATION
THIS COURSE'S MAJOR EMPHASIS IS ON CURRENT INNOVATIONS IN EDUCATION. STUDENTS WILL CONDUCT RESEARCH RELATED TO SELECTED PROBLEMS. EXPERIENCES OF THE STUDENT MAY INCLUDE CONDUCTING ACTION RESEARCH, WORKING WITH EDUCATIONAL DETERMINANTS, NEW EDUCATION PROGRAMS, AND/OR ORDER TO IMPROVE THE EDUCATION PROGRAM. CREDIT MAY BE APPLIED TOWARD THE GRADUATE PROGRAMS IN EDUCATION WHEN THE APPROPRIATE PROBLEM IS CHOSEN BY THE STUDENT. THIS COURSE MAY BE REPEATED ONCE FOR CREDIT.
- ED 6341 ADVANCED ADOLESCENT PSYCHOLOGY
THE HISTORY AND SYSTEMS OF ADOLESCENT PSYCHOLOGY APPLIED TO EDUCATION, MODERN THEORIES AND CURRENT RESEARCH IN LEARNING AND PUPIL MOTIVATION, ESPECIALLY IN RELATION TO NEW EDUCATIONAL MEDIA AND VARIOUS ASPECTS OF THE EDUCATIVE PROCESS.
PREREQUISITE: ED. 3341 OR EQUIVALENT.
- ED 6342 PROBLEMS IN GUIDANCE
A COURSE INVOLVING AN INDIVIDUAL STUDY IN PROGRAM PLANNING IN GUIDANCE. THE STUDENT WILL PRESENT A PAPER WHICH WILL BE BOUND AND PLACED IN THE LIBRARY AND IN THE OFFICE OF COUNSELOR EDUCATION.
- ED 6344 INDIVIDUAL MENTAL TESTING: STANFORD-BINET
PRACTICE IN ADMINISTERING AND SCORING THE STANFORD-BINET INTELLIGENCE TEST FOR BOTH ELEMENTARY AND SECONDARY STUDENTS.
PREREQUISITE: ED 3313 OR EQUIVALENT.
- ED 6345 EDUCATIONAL AND OCCUPATIONAL INFORMATION
A SURVEY AND ANALYSIS OF THE PROCESSES OF ASSISTING THE INDIVIDUAL TO CHOOSE AN OCCUPATION, PREPARE FOR IT, ENTER IT, AND PROGRESS IN IT. THE COURSE SEEKS TO TRAIN LEADERS WHO CAN HELP INDIVIDUALS MAKE DECISIONS AND CHOICES INVOLVED IN PLANNING A FUTURE AND BUILDING A CAREER.
- ED 6346 HISTORY AND PRINCIPLES OF VOCATIONAL EDUCATION
HISTORY AND PRINCIPLES OF CURRENT VOCATIONAL EDUCATION PROGRAMS STRESSING NATURE, SCOPE, PURPOSES, DEVELOPMENT AND SOCIO-ECONOMIC VALUES.
- ED 6347 PLANNING AND ORGANIZING PROGRAMS OF VOCATIONAL GUIDANCE
DEVELOPMENT OF COMPETENCIES RELATED TO PLANNING AND ORGANIZING APPROPRIATE VOCATIONAL GUIDANCE PROGRAMS. THE STUDY AND IMPLEMENTATION OF METHODS AND TECHNIQUES OF ASSESSING VOCATIONAL

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INTERESTS AND APTITUDES.

- ED 6348 VOCATIONAL-STUDENT IDENTIFICATION, PLACEMENT AND FOLLOW-UP DEVELOPMENT OF COMPETENCIES IN ASSESSING STUDENTS' VOCATIONAL APTITUDES AND INTERESTS AND IN PLANNING, ORGANIZING AND COORDINATING PLACEMENT AND FOLLOW-UP PROGRAMS.
- ED 6349 COUNSELING PROCEDURES FOR ELEMENTARY CHILDREN THE STUDY AND IMPLEMENTATION OF BASIC TECHNIQUES OF COUNSELING CHILDREN WITH BEHAVIORAL DISORDERS. THIS COURSE WILL EMPHASIZE THE UTILIZATION OF PLAY MEDIA AND SYSTEMATIC POSITIVE REINFORCEMENT TO FACILITATE EXPRESSION, SELF-UNDERSTANDING AND PERSONAL GROWTH. OBSERVATION AND SUPERVISED EXPERIENCE IN COUNSELING SESSIONS WITH CHILDREN ARE AN INTEGRAL PART OF THE COURSE. PREREQUISITES: ED 6360, ED. 6362, ED 6363 OR PERMISSION OF INSTRUCTOR.
- ED 6353 TEACHING THE DISADVANTAGED SECONDARY LEARNER THE COURSE WILL EMPHASIZE THE PROBLEMS EXPERIENCED IN TEACHING SECONDARY SCHOOL STUDENTS THAT ARE EDUCATIONALLY AND/OR CULTURALLY DISADVANTAGED. APPLICABLE TECHNIQUES AND MATERIALS USEFUL IN CLASSROOM SITUATIONS WILL BE STUDIED.
- ED 6360 INTRODUCTION TO GUIDANCE AND COUNSELING PHILOSOPHY, PRINCIPLES, AND CURRENT PRACTICES OF PUPIL GUIDANCE AS A FUNCTION OF EDUCATION. SOCIAL, EMOTIONAL, INTELLECTUAL AND ATTITUDINAL DIMENSIONS ARE EXPLORED. GROUP GUIDANCE AS WELL AS INDIVIDUAL COUNSELING TECHNIQUES, AS THEY APPLY THROUGH PUBLIC SCHOOLS, ARE CONSIDERED THROUGH LECTURES, DISCUSSION AND CLASS PARTICIPATION.
- ED 6361 THE LANGUAGE/LEARNING DISABLED CHILD THE STUDENT WILL ACQUIRE KNOWLEDGE AND THEORY REGARDING LEARNING ABILITIES AND DISABILITIES AND ACQUIRE BASIC TERMINOLOGY IN THE FIELD OF PSYCHO-EDUCATIONAL EVALUATION. EXPERIENCES WILL INCLUDE OBSERVATION OF CHILDREN WITH VARIOUS LEARNING STYLES, PARTICIPATION ON SIMULATED IEP (ADMISSION, REVIEW AND DISMISSAL) COMMITTEES (AS MANDATED UNDER PLAN A IN TEXAS), AND KNOWLEDGE OF PROCEDURES FROM REFERRAL TECHNIQUES THROUGH DISSEMINATION OF FINDINGS.
- ED 6362 TECHNIQUES IN PSYCHO-THERAPY A SURVEY OF THE FIELD OF PSYCHO-THERAPY, COMPARING THE CONTRIBUTIONS OF PSYCHOANALYSIS, NON-DIRECTIVE THERAPY AND BEHAVIOR THERAPY. CONSIDERATION WILL BE GIVEN TO SUCH SPECIALIZED APPROACHES AS GROUP THERAPY, PLAY THERAPY AND FAMILY THERAPY. ARRANGEMENTS WILL BE MADE TO VISIT LOCAL FACILITIES UTILIZING A VARIETY OF THESE THERAPEUTIC TECHNIQUES. PREREQUISITE: ED 5260 AND PERMISSION OF THE INSTRUCTOR.
- ED 6363 PERSONAL GROWTH DISCUSSIONS AND PRACTICAL APPLICATION OF GROUP DYNAMICS WITHIN A FRAMEWORK OF GROUP THERAPY. LIMITED TO 20 GRADUATE STUDENTS ACCEPTED IN THE COUNSELING AND GUIDANCE PROGRAM.
- ED 6364 PSYCHOLOGY OF BEHAVIOR COMPARISON OF NORMAL AND MALADAPTIVE BEHAVIOR. EMPHASIS ON RECOGNITION OF DEVIANT BEHAVIOR. OPPORTUNITY TO DEVELOP PROJECTS BASED ON INDIVIDUAL INTEREST. PREREQUISITE: PSY 3313.
- ED 6365 COUNSELING PRACTICUM A COMPETENCY BASED PRACTICUM. STUDENTS WILL ENGAGE IN COUNSELING AND IN GUIDANCE PLANNING THROUGH PRACTICAL EXPERIENCES IN LABORATORY AND IN PUBLIC SCHOOLS. SEMINARS FOR DISCUSSION AND CRITIQUING BY THE STUDENT WILL BE THE THEME OF CLASS SESSIONS. STUDENTS WILL BE REQUIRED TO RECOGNIZE AND IDENTIFY COUNSELING TECHNIQUES AND PHILOSOPHIES USED IN THIS PRACTICUM. ADMISSION TO COURSE IS DEPENDENT ON ADMISSION TO COUNSELOR EDUCATION CANDIDACY.

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PREREQUISITES: ED. 6360, ED 6362, ED. 6363. COURSE MUST BE TAKEN WITHIN LAST NINE (9) HOURS OF PROGRAM. LIMIT 12 STUDENTS.

- ED 6366 PROBLEMS IN TESTING AND COUNSELING
PROBLEMS COURSE INVOLVING A PRACTICUM IN TESTING AND COUNSELING. EMPHASIS WILL BE ON DIAGNOSIS AND THERAPY. THE STUDENT WILL PRESENT A CASE STUDY/STUDIES WHICH WILL BE BOUND IN TWO COPIES TO BE PLACED IN THE LIBRARY AND IN THE OFFICE OF COUNSELOR EDUCATION.
- ED 6367 STATISTICAL METHODS
THIS COURSE IS A STUDY OF STATISTICS AS APPLIED TO PROBLEMS IN EDUCATION AND PSYCHOLOGY, TO INCLUDE FREQUENCY FUNCTIONS, CORRELATION AND REGRESSION AND STATISTICAL TESTS OF SIGNIFICANCE.
- ED 6368 GROUP COUNSELING
THE PURPOSE OF THIS COURSE IS TO DEVELOP AN UNDERSTANDING OF GROUP PROCESSES, THEORIES AND TECHNIQUES. DEMONSTRATED COMPETENCY IN THIS KNOWLEDGE AND APPLICATION OF GROUP PROCEDURES WILL BE REQUIRED. LIMIT 20 STUDENTS.
PREREQUISITES: ED. 6360, ED. 6362, ED. 6363.
- ED 6369 EDUCATIONAL DATA PROCESSING
SURVEY OF DATA PROCESSING APPLICATIONS TO STUDENT ACCOUNTING, GRADE REPORTING AND PAYROLL; A STUDY OF MODEL DATA PROCESSING PROGRAMS AVAILABLE TO STREAMLINE PUBLIC SCHOOL MANAGEMENT PROBLEMS.
- ED 6370 SUPERVISION OF INSTRUCTION
FUNDAMENTAL PROBLEMS OF THE SUPERVISION OF INSTRUCTION IN THE SMALL AND MODERATELY SIZED PUBLIC SCHOOLS; THE NATURE AND ORGANIZATION OF SUPERVISION, SUPERVISORY PLANS AND PRINCIPLES; TEACHER PARTICIPATION IN FORMING EDUCATION POLICIES; EFFECT OF RECENT EDUCATIONAL PRACTICES UPON SUPERVISION; DUTIES, RELATIONSHIPS AND TRAINING OF SUPERVISORY OFFICIALS; STANDARDS FOR JUDGING TEACHERS; METHODS OF IMPROVING INSTRUCTION; CASE STUDIES IN SUPERVISION; THE USE OF CONFERENCES, TEACHER'S MEETINGS, DEMONSTRATION TEACHING, VISITATION AND RESEARCH STUDIES AS SUPERVISORY AGENCIES.
- ED 6371 PRACTICUM IN SUPERVISION
ACTUAL EXPERIENCE IN SUPERVISORY METHODS AND PRACTICES FOR THE ELEMENTARY SCHOOL AND SECONDARY SCHOOL SUPERVISOR. TEACHER RATING SCALES, IN-SERVICE PROGRAMS AND STAFF DEVELOPMENT PROCESSES WILL BE ANALYZED AND IMPLEMENTED BY EACH PARTICIPANT. CURRENT ADMINISTRATIVE PRACTICES WILL BE IDENTIFIED AND CRITIQUED WITH THE COOPERATION OF LOCAL SCHOOL DISTRICTS AS EACH PARTICIPANT SERVES A SIX WEEK INTERNSHIP WITH A LOCAL SCHOOL DISTRICT.
- ED 6373 TECHNIQUES AND METHODS FOR THE SLOW LEARNER
A COURSE DESIGNED TO PRESENT TECHNIQUES WHICH CAN BE APPLIED TO THE CURRICULUM FOR RETARDED CHILDREN. PERCEPTUAL AS WELL AS INTELLECTUAL DEFICITS WILL BE CONSIDERED. THE STUDENTS WILL BE REQUIRED TO PARTICIPATE IN SOME OBSERVATIONS AND IN SOME WORK RELATIONSHIP WITH RETARDED AND SLOW LEARNING CHILDREN.
- ED 6374 APPLIED BEHAVIORAL ANALYSIS
THIS COURSE PROVIDES THE OPPORTUNITY TO STUDY BEHAVIORAL CHARACTERISTICS OF SCHOOL CHILDREN. EMPHASIS WILL BE GIVEN TO THE PREVENTION AND REMEDIATION OF BEHAVIORAL PROBLEMS. SPECIAL COVERAGE WILL BE GIVEN TO A DISCUSSION OF CLASSROOM PROBLEMS.
- ED 6376 THE EMOTIONALLY DISTURBED CHILD
CHARACTERISTICS OF THE EMOTIONALLY DISTURBED. BASIC CONCEPTS OF PERSONALITY DEVELOPMENT WILL SERVE AS A FRAMEWORK FOR DISCUSSION OF THOSE BEHAVIORS THAT ARE REGARDED AS SELF-ENHANCING AND THOSE CONSIDERED DEBILITATING WITHIN VARIOUS SOCIAL ENVIRONMENTS. SPECIAL EMPHASIS WILL BE FOCUSED ON THE INTERPRETATION AND AMELIORATION OF BEHAVIOR AS IT OCCURS IN THE CLASSROOM SETTING. DISCUSSION OF CURRENT RESEARCH

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INSTRUCTIONAL ARRANGEMENTS AND COMMUNITY RESOURCES WILL BE INCLUDED. OBSERVATION OF THE EMOTIONALLY DISTURBED YOUTH WILL BE REQUIRED.

- ED 6379 PROBLEMS IN EDUCATIONAL SUPERVISION
EACH PARTICIPANT WILL DEFINE AND RESOLVE A SUPERVISORY PROBLEMS IN HIS SPECIFIC AREA OF INTEREST. EACH PARTICIPANT WILL BE DIRECTED IN HIS STUDY BY A GRADUATE FACULTY MEMBER AND A FORMAL RESEARCH PAPER DEALING WITH A SPECIFIC SUPERVISORY PROBLEM WILL BE REQUIRED.
PREREQUISITE: ED. 6370, 6371
- ED 6380 PRACTICUM FOR SECONDARY TEACHERS
EXAMINATION OF THE DISCIPLINE OF THE SUBJECT-FIELD SELECTED COUPLED WITH INTENSIVE STUDY OF RESEARCH FINDINGS, PUBLICATIONS OF LEARNED SOCIETIES AND ADVANCED EXPERIMENTATION WITH THE IMPROVEMENT OF INSTRUCTION.
- ED 6381 PROBLEMS IN ORANIZATION AND ANALYSIS OF THE PRODUCTION PROCESS
RESEARCH, READINGS AND A THOROUGH STUDY OF THE ORGANIZATION AND ADMINISTRATION OF ELEMENTARY AND SECONDARY SCHOOLS; A CAREFUL ANALYSIS OF THE ROLE OF MIDDLE MANAGEMENT PERSONNEL IN THE IMPROVEMENT OF INSTRUCTION; AN ANALYSIS OF ADMINISTRATIVE FUNCTION AND LEADERSHIP STYLE WILL BE EMPHASIZED.
- ED 6382 ADMINISTRATION OF SPECIAL AND COMPENSATORY EDUCATION
ORGANIZATION AND ADMINISTRATION OF THE PUBLIC SCHOOL PROGRAM TO MEET THE NEEDS OF THE HANDICAPPED, THE DISADVANTAGED AND THE EXCEPTIONAL CHILD. EMPHASIS UPON PLANNING AND IMPLEMENTING PROGRAMS WITHIN THE FRAMEWORK OF THE STATE PLAN FOR SPECIAL EDUCATION IN TEXAS.
ORGANIZATION AND ADMINISTRATION OF SPECIAL READING, REMEDIAL, CULTURAL ENRICHMENT AND OTHER PROGRAMS FOR BOTH THE EDUCATIONALLY AND ECONOMICALLY DISADVANTAGED.
- ED 6384 INTRODUCAION TO EDUCATIONAL ADMINISTRATION
AN OVERVIEW OF PUBLIC SCHOOL ADMINISTRATION INTRODUCING SUCH TOPICS AS: PROCESSES OF ORGANIZATION AND ADMINISTRATION, INSTRUCTIONAL PERSONNEL AND STAFF, FINANCE, LEADERSHIP ROLES, CURRICULUM, PHYSICAL PLANT OPERATION, MAINTENANCE AND LEGAL ASPECTS.
- ED 6385 PUBLIC SCHOOL LAW
CONSTITUTIONAL PROVISIONS, STATUTORY LAWS, COURTS DECISIONS, TORTS AND REGULATIONS GOVERNING PUBLIC SCHOOLS WITH SPECIAL REFERENCE TO THEIR INFLUENCE UPON THE ADMINISTRATION AND FUNCTION OF PUBLIC SCHOOLS.
- ED 6386 ADMINISTRATION OF PUPIL PERSONNEL SERVICES
A PROBLEMS APPROACH TO THE UNDERSTANDING, DEVELOPMENT AND MANAGEMENT OF SPECIAL PUPIL SERVICES OF CONCERN TO THE TEACHER, COUNSELOR, SUPERVISOR AND ADMINISTRATOR.
- ED 6387 ADMINISTRATION OF CAREER AND VOCATIONAL EDUCATION
THE ORGANIZATION AND ADMINISTRATION OF CAREER AND VOCATIONAL EDUCATION WITH EMPHASIS UPON NEEDS ASSESSMENT, THE DEVELOPMENT OF COOPERATIVE PROGRAMS WITH BUSINESS AND INDUSTRY, THE DESIGNING OF INSTRUCTIONAL PROGRAMS AND THE DEVELOPMENT OF STAFF.
- ED 6388 SOCIO-CULTURAL FOUNDATIONS OF EDUCATION
IDENTIFICATION AND ANALYSIS OF CULTURAL FORCES WHICH ULTIMATELY SHAPE THE DIRECTION OF MODERN AMERICAN EDUCATION WITH EMPHASIS UPON THE PURPOSES OF EDUCATION IN THEIR SOCIAL AND CULTURAL CONTEXTS. AN EMPHASIS ON THE MULTICULTURAL FACTORS IN SOCIETY WHICH AFFECT THE PUBLIC SCHOOLS AND THEIR INFLUENCE UPON LEARNING AND THE ACQUISITION OF SKILLS IMPORTANT TO SURVIVAL AND SELF-FULFILLMENT WILL BE MADE. PARTICULAR EMPHASIS WILL BE PLACED UPON UNDERSTANDING THE CULTURE OF THE MEXICAN-AMERICAN CHILD.
- ED 6389 ADMINISTRATION AND ORGANIZATION OF SCHOOL BUSINESS SERVICES

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PRINCIPLES AND PROCEDURES OF DEVELOPING AND MANAGING A SOUND FINANCIAL PLAN FOR LOCAL SCHOOL DISTRICTS WITH EMPHASIS UPON TEXAS EDUCATIONAL AGENCY FINANCIAL AND ACCOUNTING PROCEDURES. EMPHASIS UPON SCHOOL LAW, TAXATION, PROPERTY MANAGEMENT AND MAINTENANCE, SCHOOL TRANSPORTATION AND MANAGEMENT OF BUSINESS PERSONNEL.

- ED 6390 THE EDUCATION OF YOUNG CHILDREN
THIS COURSE IS DESIGNED FOR TEACHERS OF CHILDREN OF PRESCHOOL AGE WITH EMPHASIS ON THE DEVELOPMENTAL TASKS AND GROWTH AND DEVELOPMENT CHARACTERISTICS OF FOUR AND FIVE YEAR OLDS. SPECIAL CONSIDERATION WILL BE GIVEN TO SELECTION AND GUIDANCE OF CURRICULUM EXPERIENCE WHICH CONTRIBUTES TO THE DEVELOPMENT OF YOUNG CHILDREN AS INDIVIDUALS AND IN GROUPS, RECORDS AND REPORTS, WORKING WITH PARENTS AND OBSERVATION OF PRESCHOOL GROUPS.
PREREQUISITE: ED. 3311.
- ED 6393 ADMINISTRATION OF SCHOOL STAFF PERSONNEL
ANALYSIS OF PERSONNEL ORGANIZATION, ADMINISTRATION AND FUNCTION IN SCHOOL SYSTEMS; RELATIONSHIPS OF VARIOUS SCHOOL POSITIONS; A STUDY OF ETHICS, WELFARE, SECURITY AND PROFESSIONAL IMPROVEMENT. REQUIRED OF ALL ADMINISTRATORS.
- ED 6394 PSYCHOLOGY OF DECISION MAKING
ANALYSIS OF SKILLS AND TECHNIQUES NEEDED BY AN EFFECTIVE ADMINISTRATOR IN THE MODERN SCHOOL; EMPHASIS UPON SYNERGISTIC LEADERSHIP, TEACHER-ADMINISTRATOR RELATIONSHIPS, GROUP PROCESSES AND GROUP DYNAMICS AND THE ASSESSMENT OF ADMINISTRATIVE PERFORMANCE.
- ED 6397 ANALYSIS OF TEACHING BEHAVIOR
METHODS OF GATHERING, ANALYZING AND INTERPRETING DATA IN LEADERSHIP CONFERENCES WITH STUDENT TEACHERS, INTERNS AND PROFESSIONAL TEACHERS; THE APPLICATION OF TECHNOLOGY IN THE EVALUATION AND SUPERVISION OF CLASSROOM TEACHING; THE DEVELOPMENT OF SKILLS TO DEMONSTRATE EFFECTIVE TEACHING BEHAVIOR. REQUIRED OF ALL PRINCIPALS.
- ED 6398 INTERNSHIP IN MIDDLE MANAGEMENT
A FIELD-BASED COURSE IN WHICH STUDENTS PRACTICE COMPETENCIES AND THEORIES ACQUIRED AS THEY ASSUME RESPONSIBILITIES ASSOCIATED WITH EACH OF THE MIDDLE MANAGEMENT POSITIONS IN LOCAL SCHOOL DISTRICTS.
- ED 6604 PRACTICUM FOR THE EDUCATIONAL DIAGNOSTICIAN
SUPERVISED PRACTICAL EXPERIENCE IN DIAGNOSIS AND THERAPY. THIS CULMINATING ACTIVITY WILL PROVIDE INTENSIVE TRAINING IN THE ENTIRE EDUCATIONAL PROCESS FOR A CHILD, WHEREBY DATA IS GATHERED, A DIAGNOSIS IS DEVELOPED AND IMPLEMENTED, AND AN ONGOING EVALUATION IS DESIGNED AND MONITORED TO SERVE AS A MEASURE OF THE CHILD'S SOCIAL AND EDUCATIONAL GROWTH. LAST 6 HOURS OR LAST SEMESTER OF WORK.
- ED 6605 PRACTICUM FOR TEACHING THE EMOTIONALLY DISTURBED
THE COURSE EMPHASIZES, UNDER THE SUPERVISION OF A FULLY ENDORSED TEACHER OF THE EMOTIONALLY DISTURBED, THE DAY TO DAY TECHNIQUES AND INSTRUCTIONAL PROCEDURES FOR WORKING WITH EMOTIONALLY DISTURBED IN A PUBLIC SCHOOL SETTING. EACH STUDENT MUST SPEND A MINIMUM OF 45 CLOCK HOURS IN THE CLASSROOM AND MAINTAIN A LOG OF ALL PERTINENT EXPERIENCES.
PREREQUISITES: ED 5372, ED 6376, ED 6374, AND 6 HOURS OF PSYCHOLOGY OR ITS EQUIVALENT.
- ED 7300 THESIS
- ED 7301 THESIS
- ED 7310 ADMINISTRATION OF SCHOOL FACILITIES
A STUDY OF OPERATION, UTILIZATION AND MAINTENANCE OF PHYSICAL PLANT; DETERMINATION OF FACILITIES NEEDS; PLANNING BUILDING PROGRAMS AND SCHOOL PLANT DEVELOPMENT.

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- ED 7311 ACCREDITATION OF PUBLIC SCHOOLS
PRINCIPLES AND PROCEDURES GOVERNING ACCREDITATION OF LOCAL SCHOOL SYSTEMS BY STATE EDUCATIONAL AUTHORITIES; REGIONAL AND SPECIAL PURPOSE ACCREDITING ASSOCIATIONS. INCLUDES THE STUDY OF HISTORICAL BASES FOR ACCREDITATION AND ANALYSIS AND USE OF CONTEMPORARY EVALUATIVE INSTRUMENTS.
- ED 7312 SOCIAL-POLITICAL PROBLEMS AND THE SUPERINTENDENCY
AN ANALYSIS OF THE INTERRELATIONSHIPS OF THE LOCAL SCHOOL DISTRICTS WITH OTHER LOCAL POLITICAL SUBDIVISIONS; A STUDY OF THE IMPACT OF POWER STRUCTURES UPON LOCAL EDUCATION; A REVIEW OF THE INFLUENCE OF PROFESSIONAL AND NON-PROFESSIONAL ORGANIZATIONS UPON EDUCATIONAL DECISION MAKING; AND AN ANALYSIS OF THE INFLUENCE OF THE POWER STRUCTURES UPON EDUCATIONAL DECISIONS.
- ED 7313 INTERNSHIP FOR THE SUPERINTENDENT
DESIGNED TO GIVE PROSPECTIVE SCHOOL SUPERINTENDENTS ON-THE-JOB EXPERIENCES UNDER THE GUIDANCE OF AN EXPERIENCED, PRACTICING PUBLIC SCHOOL ADMINISTRATOR AND UNDER THE SUPERVISION OF A MEMBER OF THE UNIVERSITY STAFF.
- ED 7314 FIELD PROBLEMS FOR THE SUPERINTENDENT
IDENTIFICATION AND ANALYSIS OF SELECTED PROBLEMS IN THE FIELD OF ADMINISTRATIVE EDUCATION.
- ED S 1301 CLINICAL INTRODUCTION TO SECONDARY EDUCATION (FIELD EXPERIENCE)
THIS OVERVIEW OF SECONDARY EDUCATION EMPHASIZES THE ROLE OF THE TEACHER AS A PERSON. THIS COURSE INCLUDES A COMPARATIVE STUDY OF PERSONAL VALUE SYSTEMS, ETHICAL CONDUCT AND THEIR RELATIONSHIP TO TEACHING.
- ED S 2301 INTRODUCTION TO THE TEACHING-LEARNING PROCESS (FIELD EXPERIENCE)
THIS COURSE FOCUSES ON THE INDIVIDUAL AS A TEACHER BY EXAMINING THE ROLE OF THE TEACHER IN THE TEACHING-LEARNING PROCESS. THIS INVOLVES ANALYSIS OF LEARNERS AND LEARNING ENVIRONMENT AS WELL AS PREPARATION FOR AND PERFORMANCE OF TEACHING ACTIVITIES WITHIN UNIVERSITY AND PUBLIC SCHOOL CLASSROOMS.
- ED S 3301 INSTRUCTIONAL TECHNOLOGY
THIS COURSE DEALS WITH MODERN INSTRUCTIONAL STRATEGIES AND THE PROPER USE OF INSTRUCTIONAL MATERIALS BEST SUITED FOR GROUP OR INDIVIDUALIZED INSTRUCTION. SOURCES OF AND PRODUCTION OF MATERIALS, METHODS OF PRESENTATION, EVALUATION OF RESULTS AND PROPER USE AND CARE OF VARIOUS TYPES OF AUDIO, VISUAL AND VIDEO EQUIPMENT ARE STRESSED. DUAL LISTED WITH ED 3301 (REQUIRED FOR CERTIFICATION).
- ED S 3302 ADOLESCENT BEHAVIOR AND THE LEARNING PROCESS
COMPARISONS AND CONTRASTS ARE MADE OF THEORIES THAT EXPLAIN AND PREDICT BEHAVIOR. EMPHASIS IS GIVEN TO MOTIVATION AND RE-ENFORCEMENT OF STUDENT BEHAVIOR IN THE CLASSROOM. ADDITIONAL EMPHASIS IS GIVEN TO ANALYZING AND UNDERSTANDING ONE'S OWN BEHAVIOR, ESPECIALLY AS IT RELATES TO THE TEACHER ROLE. CLASSROOM EXPERIENCES ARE PROVIDED IN DIAGNOSING, CLASSIFYING AND CHANGING ADOLESCENT BEHAVIOR. (REQUIRED FOR CERTIFICATION.)
- ED S 3303 EDUCATION: PAST AND PRESENT
A STUDY OF THE HISTORY AND PHILOSOPHY OF EDUCATION INCLUDES THE DEVELOPMENT OF PHILOSOPHICAL THOUGHT AND PRACTICE IN WESTERN EDUCATION FROM A HISTORICAL AND CURRENT PERSPECTIVE. ADDITIONAL EMPHASIS IS PLACED ON HELPING STUDENTS DEVELOP AND CLARIFY THEIR PROFESSIONAL PHILOSOPHIES. DUAL LISTED WITH ED 3303.
- ED S 3305 EVALUATION FOR SECONDARY TEACHERS
A STUDY OF STATISTICS ENABLES THE STUDENT TO ANALYZE, INTERPRET AND

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UTILIZE DATA TO IMPROVE THEIR TEACHING. STUDENTS CONSTRUCT, ADMINISTER AND INTERPRET RESULTS OF TESTS TO QUANTITATIVELY MEASURE AND EVALUATE STUDENT PROGRESS IN SECONDARY SCHOOL CLASSROOMS.

ED S 3307 A CLINICAL AND A SYSTEMATIC APPROACH TO TEACHING AND LEARNING (FIELD

EXPERIENCE)
EMPHASIS ON THE PERSON AS A TEACHER IS MADE IN THIS FIELD-BASED COURSE. THE SYSTEMATIC APPROACH INCLUDES ANALYZING LEARNERS, ANALYZING LEARNING, ESTABLISHING LEARNING ENVIRONMENTS, AND EVALUATING OUTCOMES. IMPORTANT TEACHING TECHNIQUES AND CONCEPTS ARE RELATED TO SECONDARY CLASSROOM OBSERVATIONS AND INCORPORATED INTO FIELD EXPERIENCES. THESE INCLUDE CLASSROOM CONTROL, COMMUNICATION, COGNITIVE AND AFFECTIVE DEVELOPMENT, CLASSROOM PLANNING, CLASSROOM ORGANIZATION AND CLASSROOM EVALUATION.
PREREQUISITES: ED S 3301, ED S 3302 (REQUIRED FOR CERTIFICATION).

ED S 4318 PROBLEMS SEMINAR FOR SECONDARY TEACHERS
THIS PRACTICUM COURSE FOCUSES ATTENTION ON EFFECTIVE APPLICATION OF A VARIETY OF INSTRUCTIONAL TECHNIQUES. SPECIAL PERMISSION MUST BE GIVEN TO EACH PARTICIPANT BEFORE ENROLLMENT IN THE COURSE. DUAL LISTED WITH ED 4318.

ED S 4398 CLINICAL TEACHING IN THE JUNIOR HIGH SCHOOL (FIELD BASED)
THIS COURSE IS DESIGNED TO GIVE SECONDARY EDUCATION STUDENTS TEACHING EXPERIENCE AT THE JUNIOR HIGH SCHOOL LEVEL UNDER THE GUIDANCE OF A PUBLIC SCHOOL COOPERATING TEACHER AND A UNIVERSITY SUPERVISOR. STUDENTS ARE ASSIGNED TO THE PUBLIC SCHOOL FOR TEN HOURS PER WEEK. ANALYSIS OF A PROFESSIONAL PERFORMANCE AND EVIDENCE OF COMPETENCY ARE SUBJECT TO REVIEW OF A PROFESSIONAL COMPETENCY BOARD.
PREREQUISITE: ED S 3301, 3302 AND 3307 (REQUIRED FOR CERTIFICATION).

ED S 4399 CLINICAL TEACHING IN THE SENIOR HIGH SCHOOL (FIELD BASED)
THIS COURSE IS DESIGNED TO GIVE SECONDARY EDUCATION STUDENTS TEACHING EXPERIENCE WITH SENIOR HIGH SCHOOL STUDENTS UNDER THE GUIDANCE OF A PUBLIC SCHOOL COOPERATING TEACHER AND A UNIVERSITY SUPERVISOR. A STUDENT IS ASSIGNED TO THE PUBLIC SCHOOL FOR TEN HOURS PER WEEK. IN ADDITION TO REGULAR CLASSROOM TEACHING, EACH STUDENT DIAGNOSES, PRESCRIBES AND IMPLEMENTS REMEDIATION FOR THE INDIVIDUAL STUDENT WHO HAS LEARNING DIFFICULTIES. ANALYSIS OF TEACHING PERFORMANCE AND EVIDENCE OF COMPETENCY ARE SUBJECT TO REVIEW BY A PROFESSIONAL COMPETENCY BOARD.
PREREQUISITE: ED S 3301, 3302 AND 3307 (REQUIRED FOR CERTIFICATION).

ENG 1210 VOCABULARY
VOCABULARY BUILDING AS A MEANS OF PROVIDING STUDENTS WITH FACILITY IN THE USE OF WORDS AND WITH AN AWARENESS THAT A PERSON'S COMMAND OF WORDS IS A FAIRLY ACCURATE MEASURE OF HIS INTELLIGENCE. SPECIAL EMPHASIS IN PREFIXES, ROOTS, AND SUFFIXES THAT OCCUR FREQUENTLY IN WORDS IN ENGLISH GENERAL AND TECHNICAL VOCABULARIES.

ENG 1300 FUNDAMENTALS OF WRITTEN COMMUNICATION
INTENSIVE STUDY AND PRACTICE IN FORMING THE BASIC UNIT OF WRITTEN COMMUNICATION, THE SENTENCE. EMPHASIS UPON SYNTAX, DICTION, PUNCTUATION, SPELLING, TYPES OF SENTENCE CONSTRUCTION AND OTHER BASIC WRITTEN SKILLS. COURSE DOES NOT SATISFY GENERAL EDUCATION REQUIREMENTS, BUT CARRIES ELECTIVE CREDIT.

ENG 1304 COMPOSITION
DEVELOPMENT OF THE STUDENT'S ABILITY TO COMMUNICATE EFFECTIVELY AND RESPONSIBLY THROUGH WRITTEN DISCOURSE. EMPHASIS UPON MECHANICAL PROFICIENCY AND ORGANIZATIONAL SKILLS IN WRITING EXPOSITORY ESSAYS. ANALYSIS OF STYLE, TONE AND POINT OF VIEW OF EXPOSITORY PROSE. (CREDIT FOR THIS COURSE MAY BE OBTAINED BY QUALIFIED STUDENTS THROUGH ADVANCED PLACEMENT OR ADVANCED STANDING EXAMINATIONS.)

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- ENG 1302 RHETORIC
DEVELOPMENT OF THE STUDENT'S ABILITY TO RECOGNIZE AND TO EMPLOY THE PRINCIPLES OF RHETORIC IN WRITTEN DISCOURSE. ANALYSIS OF RHETORIC AND LOGIC, WRITING OF ESSAYS, AND STUDY OF RESEARCH AND DOCUMENTATION TECHNIQUES. REQUIRES THE COMPLETION OF A RESEARCH PROJECT.
PREREQUISITE: PASSING GRADE IN ENG. 1301, 1387, OR 1405. (CREDIT FOR THIS COURSE MAY BE OBTAINED BY QUALIFIED STUDENTS THROUGH ADVANCED PLACEMENT OR ADVANCED STANDING EXAMINATIONS.)
- ENG 1387 RHETORIC AND COMPOSITION (HONORS PLAN).
STUDY AND PRACTICE OF WRITING EFFECTIVENESS. EMPHASIS ON EXPOSITORY WRITING AND THE RESEARCH PAPER.
PREREQUISITE: ADMISSION TO HONORS STUDIES OR BY INVITATION.
- ENG 1388 RHETORIC AND LITERATURE (HONORS PLAN).
STUDY AND PRACTICE OF WRITING EFFECTIVENESS AND LITERARY INTERPRETATION. EMPHASIS ON CRITICAL ANALYSIS OF ESSAYS, FICTION, AND POETRY.
PREREQUISITE: ENGLISH 1387 OR BY INVITATION.
- ENG 1405 ENGLISH FOR FOREIGN STUDENTS.
FOR FOREIGN STUDENTS OR ANY STUDENT BORN OUTSIDE THE UNITED STATES WHO LACKS PROFICIENCY IN ENGLISH. INTENSIVE PRACTICE AND DRILL, BOTH ORAL AND WRITTEN, IN VOCABULARY AND SENTENCE PATTERNS, WITH PARTICULAR ATTENTION TO THE ENGLISH IDIOM. MEETS DAILY AND INCLUDES A LANGUAGE LAB. (CREDIT FOR THIS COURSE MAY BE OBTAINED BY QUALIFIED STUDENTS THROUGH ADVANCED PLACEMENT OR ADVANCED STANDING EXAMINATIONS.)
- ENG 1406 ENGLISH FOR FOREIGN STUDENTS.
FOR FOREIGN STUDENTS OR ANY STUDENT BORN OUTSIDE THE UNITED STATES WHO LACKS PROFICIENCY IN ENGLISH. EXPOSITORY THEMES AND READINGS IN THE ESSAY, WITH A BRIEF INTRODUCTION TO LITERATURE. MEETS DAILY AND INCLUDES A LANGUAGE LAB.
PREREQUISITE: PASSING GRADE IN ENGLISH 1301, 1387, OR 1405.
- ENG 2301 SURVEY OF ENGLISH LITERATURE.
A CHRONOLOGICAL STUDY OF THE PRINCIPAL AUTHORS, THEIR WORKS, AND THE TRENDS IN ENGLISH LITERATURE FROM THE ANGLO-SAXON PERIOD TO THE BEGINNING OF THE ROMANTIC MOVEMENT. A COURSE DESIGNED SPECIFICALLY FOR ENGLISH MAJORS AND MINORS.
PREREQUISITE: "C" AVERAGE IN SIX SEMESTER HOURS OF REQUIRED FRESHMAN ENGLISH.
- ENG 2302 SURVEY OF ENGLISH LITERATURE.
A CHRONOLOGICAL STUDY OF THE PRINCIPAL AUTHORS, THEIR WORKS, AND THE TRENDS IN ENGLISH LITERATURE FROM PRE-ROMANTIC POETRY TO THE TWENTIETH CENTURY. A COURSE DESIGNED SPECIFICALLY FOR ENGLISH MAJORS AND MINORS.
PREREQUISITE: "C" AVERAGE IN SIX SEMESTER HOURS OF REQUIRED FRESHMAN ENGLISH.
- ENG 2303 READINGS IN AMERICAN LITERATURE.
A STUDY OF SEVERAL MASTERPIECES OF AMERICAN LITERATURE, WITH EMPHASIS ON CAREFUL READING AND ON WRITING CRITICAL ESSAYS ABOUT INDIVIDUAL WORKS.
PREREQUISITE: "C" AVERAGE IN SIX SEMESTER HOURS OF REQUIRED FRESHMAN ENGLISH.
- ENG 2305 READINGS IN ENGLISH LITERATURE.
A STUDY OF SEVERAL MASTERPIECES OF ENGLISH LITERATURE, WITH EMPHASIS ON CAREFUL READING AND ON WRITING CRITICAL ESSAYS ABOUT INDIVIDUAL WORKS.
PREREQUISITE: "C" AVERAGE IN SIX SEMESTER HOURS OF REQUIRED FRESHMAN ENGLISH.
- ENG 2307 READINGS IN GENERAL LITERATURE.
A STUDY OF SEVERAL MASTERPIECES OF WORLD LITERATURE IN TRANSLATION, WITH EMPHASIS ON CAREFUL READING AND ON WRITING CRITICAL ESSAYS ABOUT

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INDIVIDUAL WORKS.

PREREQUISITE: "C" AVERAGE IN SIX SEMESTER HOURS OF REQUIRED FRESHMAN ENGLISH.

- ENG 2308 READINGS IN SPECIAL TOPICS.
A STUDY OF THE LITERATURE ASSOCIATED WITH A SPECIAL GROUP, AREA, MOVEMENT, OR TECHNIQUE, THE TOPIC TO VARY WITH EACH SECTION. (SPECIAL TOPICS TO BE ANNOUNCED IN THE SCHEDULE OF CLASSES.)
PREREQUISITE: "C" AVERAGE IN SIX SEMESTER HOURS OF REQUIRED FRESHMAN ENGLISH.
- ENG 2309 TECHNICAL REPORT WRITING.
A COURSE DESIGNED ESPECIALLY FOR STUDENTS WHO DESIRE FURTHER TRAINING IN COMPOSITION OF A PRACTICAL AND ADVANCED CHARACTER. EXERCISES IN FUNDAMENTAL FORMS FOLLOWED BY THE SPECIAL TYPES OF REPORTS USED IN ENGINEERING, SCIENCE, AND BUSINESS, ONE RESEARCH PAPER, LETTERS, AND ORAL REPORTS.
PREREQUISITE: "C" AVERAGE IN SIX SEMESTER HOURS OF REQUIRED FRESHMAN ENGLISH.
- ENG 2313 READINGS IN DRAMATIC LITERATURE.
CRITICAL REVIEW AND ANALYSIS OF SELECTED CLASSIC PLAYS FROM GREEK ANTIQUITY TO THE PRESENT TIME, DESIGNED TO CLARIFY THE NATURE AND MAJOR ACHIEVEMENTS OF WESTERN DRAMATIC ART. MAY BE COUNTED AS ENGLISH OR DRAMA.
PREREQUISITE (FOR ENGLISH CREDIT): "C" AVERAGE IN SIX SEMESTER HOURS OF REQUIRED FRESHMAN ENGLISH.
- ENG 2387 READINGS IN WORLD LITERATURE (HONORS PLAN).
A STUDY OF SELECTED WORKS FROM THE LITERATURE OF GREECE, ROME, AND MEDIEVAL EUROPE.
PREREQUISITE: ADMISSION TO HONORS STUDIES OR BY INVITATION.
- ENG 2388 READINGS IN WORLD LITERATURE (HONORS PLAN).
A STUDY OF SELECTED WORKS FROM WESTERN LITERATURE; RENAISSANCE THROUGH MODERN.
PREREQUISITE: ADMISSION TO HONORS STUDIES OR BY INVITATION.
- ENG 3301 MEDIEVAL LITERATURE.
A STUDY OF VARIOUS TYPES OF MEDIEVAL LITERATURE, INCLUDING THE EPIC, THE ROMANCE AND THE ALLEGORY, WITH SPECIAL ATTENTION TO MIDDLE ENGLISH WRITERS.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH. NOT OPEN TO STUDENTS WITH CREDIT IN ENG. 4305.
- ENG 3302 THE RENAISSANCE IN ENGLAND.
A STUDY OF THE LITERATURE OF THE RENAISSANCE PERIOD IN ENGLAND, WITH SOME TIME DEVOTED TO FRENCH AND ITALIAN BACKGROUNDS.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH.
- ENG 3303 THE SEVENTEENTH CENTURY.
A STUDY OF THE LITERATURE OF ENGLAND FROM THE BEGINNING OF THE JACOBAN PERIOD THROUGH THE RESTORATION.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH.
- ENG 3304 THE EIGHTEENTH CENTURY.
A STUDY OF THE MAJOR WORKS OF ENGLISH WRITERS OF THE NEO-CLASSICAL PERIOD, INCLUDING DRYDEN, CONGREVE, POPE, SWIFT, STERNE AND SAMUEL JOHNSON.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH.
- ENG 3305 THE ROMANTIC PERIOD.
A STUDY OF THE DEVELOPMENT OF ROMANTICISM IN FRANCE, GERMANY AND ENGLAND, WITH THE MAIN EMPHASIS ON ENGLISH WRITERS.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH. NOT OPEN TO STUDENTS

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WITH CREDIT IN ENG. 4303.

- ENG 3306 THE ENGLISH NOVEL TO 1850.
A STUDY OF THE ORIGINS AND DEVELOPMENT OF THE ENGLISH NOVEL WITH
EMPHASIS ON THE MAJOR NOVELISTS.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH.
- ENG 3307 THE ENGLISH NOVEL FROM 1850 TO PRESENT.
A STUDY OF THE CONTINUING DEVELOPMENT AND TECHNIQUES OF THE ENGLISH
NOVEL WITH EMPHASIS ON THE MAJOR NOVELISTS.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH.
- ENG 3309 DEVELOPMENT OF THE AMERICAN NOVEL.
A STUDY OF THE AMERICAN NOVEL FROM ITS BEGINNINGS TO THE PRESENT,
WITH EMPHASIS ON THE MAJOR NOVELISTS.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH.
- ENG 3310 TWENTIETH CENTURY ENGLISH AND AMERICAN POETRY.
A STUDY OF THE TRENDS MOVEMENTS IN CONTEMPORARY POETRY, WITH
EMPHASIS ON THE WORKS OF THE MAJOR WRITERS.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH.
- ENG 3311 CONTEMPORARY DRAMA.
SEE SPEECH 3311 FOR COURSE DESCRIPTION. MAY BE COUNTED AS ENGLISH OR
SPEECH.
PREREQUISITE (FOR ENGLISH CREDIT): 12 SEMESTER HOURS OF ENGLISH.
- ENG 3312 SURVEY OF AMERICAN LITERATURE
A CHRONOLOGICAL STUDY OF THE PRINCIPAL AUTHORS, THEIR WORKS AND THE
TRENDS IN AMERICAN LITERATURE, FROM THE COLONIAL PERIOD TO THE CIVIL
WAR. CREDIT WILL NOT BE GIVEN FOR BOTH THIS COURSE AND THE SOPHOMORE
SURVEY OF AMERICAN LITERATURE, FORMERLY OFFERED AS ENGLISH 2303.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH.
- ENG 3313 SURVEY OF AMERICAN LITERATURE
A CHRONOLOGICAL STUDY OF THE PRINCIPAL AUTHORS, THEIR WORKS AND
THE TRENDS IN AMERICAN LITERATURE, FROM THE CIVIL WAR TO THE TWENTIETH
CENTURY.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH. CREDIT WILL NOT BE GIVEN
FOR BOTH THIS COURSE AND THE SOPHOMORE SURVEY OF AMERICAN LITERATURE,
FORMERLY OFFERED AS ENGLISH 2304.
- ENG 3317 THE SHORT STORY AND THE NOVELLA.
A STUDY OF THE DEVELOPMENT AND TECHNIQUE OF THE SHORT STORY AND
NOVELLA WITH EMPHASIS ON LITERARY APPRECIATION.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH.
- ENG 3319 INTRODUCTION TO DESCRIPTIVE LINGUISTICS.
AN INTRODUCTION TO THE METHODS OF LINGUISTIC SCIENCE WITH EMPHASIS
ON PROBLEM SOLVING TECHNIQUES AND THE APPLICATION TO SPECIFIC PROBLEMS.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH.
- ENG 3320 ADVANCED LITERARY PROBLEMS.
A COURSE ADAPTED TO THE STUDY OF SPECIAL TOPICS IN ENGLISH, AMERICAN
AND WORLD LITERATURE. FOR ADVANCED STUDENTS CAPABLE OF DEVELOPING A
PROBLEM INDEPENDENTLY THROUGH CONFERENCE AND ACTIVITIES DIRECTED BY THE
INSTRUCTOR. PROBLEM IS CHOSEN BY THE STUDENT WITH THE APPROVAL OF THE
INSTRUCTOR PRIOR TO REGISTRATION.
PREREQUISITE: MAJOR IN ENGLISH AND 12 SEMESTER HOURS OF ENGLISH.
- ENG 3322 POETRY.
AN IN-DEPTH STUDY OF THE ART AND NATURE OF POETRY, WITH EMPHASIS ON
SOUNDS, THE FORMS, THE LANGUAGE AND THE MODES OF POETRY AND
INCLUDING A SURVEY OF THE TECHNIQUES AND TERMINOLOGY OF POETRY ANALYSIS.

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PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH.

- ENG 3324 THE LATER NINETEENTH CENTURY.
A STUDY OF LITERATURE FROM 1832 TO THE END OF THE NINETEENTH CENTURY, WITH THE CHIEF EMPHASIS UPON THE GREAT PROSE WRITERS OF VICTORIAN ENGLAND: CARLYLE, RUSKIN, ARNOLD, HUXLEY, DICKENS, THACKERAY.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH. NOT OPEN TO STUDENTS WITH CREDIT IN ENG. 4304.
- ENG 3325 THE MEXICAN FILM
A CRITICAL EXAMINATION OF MEXICAN FILMS, CONCENTRATING ON APPROACHES TO AESTHETIC AND TECHNICAL CRITICISM OF THE MOTION PICTURE AS AN ART FORM AND AS A COMMUNICATIONS MEDIUM. THE COURSE INCLUDES VIEWING AND DISCUSSION OF FILMS AS WELL AS STUDY OF SCREENING PLAYS FROM WHICH THE FILMS ARE DERIVED.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH. NOT OPEN TO STUDENTS WITH CREDIT IN M C 3325.
- ENG 3371 COOPERATIVE EDUCATION I
A PLANNED PROGRAM OF FULL-TIME WORK (MINIMUM OF ONE SEMESTER OR TWO CONTINUOUS FIVE-WEEK SUMMER SESSIONS) RELATED TO THE FIELD OF ENGLISH. ENROLLMENT SHOULD BE DETERMINED ON THE BASIS OF A SATISFACTORY EMPLOYER'S EVALUATION AND THE STUDENT'S WRITTEN REPORT. CARRIES ELECTIVE CREDIT ONLY AND CANNOT BE APPLIED TOWARD FULFILLMENT OF MAJOR OR MINOR REQUIREMENTS.
PREREQUISITE: APPROVAL OF THE DEPARTMENT.
- ENG 3372 COOPERATIVE EDUCATION II
A PLANNED PROGRAM OF FULL-TIME WORK (MINIMUM OF ONE SEMESTER OR TWO CONTINUOUS FIVE-WEEK SUMMER SESSIONS) RELATED TO THE FIELD OF ENGLISH. ENROLLMENT SHOULD BE COMPLETED PRIOR TO THE BEGINNING OF THE WORK PERIOD. CREDIT WILL BE DETERMINED ON THE BASIS OF A SATISFACTORY EMPLOYER'S EVALUATION AND THE STUDENT'S WRITTEN REPORT. CARRIES ELECTIVE CREDIT ONLY AND CANNOT BE APPLIED TOWARD FULFILLMENT OF MAJOR OR MINOR REQUIREMENTS.
PREREQUISITE: ENGLISH 3371.
- ENG 3373 COOPERATIVE EDUCATION III
A PLANNED PROGRAM OF FULL-TIME WORK (MINIMUM OF ONE SEMESTER OR TWO CONTINUOUS FIVE-WEEK SUMMER SESSIONS) RELATED TO THE FIELD OF ENGLISH. ENROLLMENT SHOULD BE COMPLETED PRIOR TO THE BEGINNING OF THE WORK PERIOD. CREDIT WILL BE DETERMINED ON THE BASIS OF A SATISFACTORY EMPLOYER'S EVALUATION AND THE STUDENT'S WRITTEN REPORT. CARRIES ELECTIVE CREDIT ONLY AND CANNOT BE APPLIED TOWARD FULFILLMENT OF MAJOR OR MINOR REQUIREMENTS.
PREREQUISITE: ENGLISH 3371 AND ENGLISH 3372.
- ENG 4301 SHAKESPEARE.
A STUDY OF REPRESENTATIVE PLAYS IN COMEDY, HISTORY AND TRAGEDY.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH.
- ENG 4302 MODERN ENGLISH SYNTAX
STUDIES IN MODERN ENGLISH SYNTAX WITH ATTENTION GIVEN TO INVESTIGATIVE METHODS AND FINDINGS OF CONTEMPORARY LINGUISTIC ANALYSIS.
PREREQUISITE: ENGLISH 3319.
- ENG 4306 THE FRONTIER IN AMERICAN LITERATURE.
A STUDY OF THE INFLUENCE OF THE AMERICAN FRONTIER ON AMERICAN LITERATURE, WITH SPECIAL EMPHASIS ON THE LITERATURE AND FOLKLORE OF THE SOUTHWEST AND OF THE CATTLE KINGDOM.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH.
- ENG 4308 HISTORY OF THE ENGLISH LANGUAGE.
A HISTORY OF THE ENGLISH LANGUAGE FROM THE ANGLO-SAXON PERIOD TO THE PRESENT.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH.

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- ENG 4309 CHAUCER.
A STUDY OF SELECTED WORKS OF THE GREATEST ENGLISH POET OF THE FOURTEENTH CENTURY.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH.
- ENG 4310 AMERICAN LITERATURE OF THE SOUTH
A STUDY OF THE WORKS OF REPRESENTATIVE WRITERS OF THE SOUTH.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH.
- ENG 4312 MILTON.
A STUDY OF THE MAJOR POEMS AND SELECTED PROSE AND MINOR POETRY.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH.
- ENG 4313 CONTRASTIVE PHONOLOGY.
A COMPARISON OF ENGLISH AND SPANISH SOUND SYSTEMS PROVIDING DETAILED STUDY OF THE PHONEMIC AND PHONOTACTIC SIMILARITIES AND DIFFERENCES OF THE LANGUAGES. COURSE OPEN ONLY TO STUDENTS WITH PROFICIENCY IN BOTH ENGLISH AND SPANISH. MAY BE COUNTED AS ENGLISH OR SPANISH 4313.
PREREQUISITE: ENGLISH 3319 OR SPANISH 3306.
- ENG 4314 CONTRASTIVE GRAMMAR.
A COMPARISON OF ENGLISH AND SPANISH GRAMMATICAL SYSTEMS WITH EMPHASIS ON SUBSTANTIVE AND DESCRIPTIVE PROBLEMS ARISING FROM THE DIFFERENCES IN THE SYSTEMS. COURSE OPEN ONLY TO STUDENTS WITH PROFICIENCY IN BOTH ENGLISH AND SPANISH. MAY BE COUNTED AS ENGLISH OR SPANISH 4314.
PREREQUISITE: ENGLISH 4302 OR SPANISH 3305.
- ENG 4316 MEXICAN AMERICAN LITERATURE
A STUDY OF THE LITERATURE BY AND ABOUT MEXICAN AMERICANS, WITH EMPHASIS ON THE LITERARY TECHNIQUES AND THE CULTURAL REFLECTIONS IN THIS LITERATURE.
PREREQUISITE: 12 HOURS OF ENGLISH.
- ENG 4317 ENGLISH PHONOLOGICAL SYSTEMS
A STUDY OF THE SOUND STRUCTURE AND SYSTEM OF MODERN ENGLISH WITH ATTENTION GIVEN TO THE METHODS AND FINDING OF CONTEMPORARY LINGUISTICS.
PREREQUISITE: ENGLISH 3319. NOT OPEN TO STUDENTS WITH PRIOR CREDIT IN ENGLISH 3318.
- ENG 4318 TEACHING SECONDARY SCHOOL LITERATURE.
A STUDY OF METHODS AND MATERIALS AVAILABLE TO THE TEACHER, WITH EMPHASIS ON PROCEDURES IN ANALYZING SPECIFIC WORKS IN VARIOUS GENRES.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH.
- ENG 4322 CREATIVE WRITING I.
PRACTICE IN THE WRITING OF POETRY AND BRIEF PROSE, WITH A STUDY OF LITERARY FORMS, TECHNIQUES AND VALUES FROM THE WRITER'S POINT OF VIEW.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH OR PERMISSION OF INSTRUCTOR.
- ENG 4323 CREATIVE WRITING II.
PRACTICE FOR ADVANCED STUDENTS IN THE WRITING OF POETRY AND PROSE.
PREREQUISITE: ENG 4322 AND PERMISSION OF THE INSTRUCTOR.
- ENG 4324 HISPANIC-AMERICAN LITERATURE IN ENGLISH TRANSLATION.
A STUDY OF CONTEMPORARY HISPANIC-AMERICAN LITERATURE, INCLUDING ESSAYS BY OCTAVIO PAZ, FICTION BY AZUELA, FUENTES, RULFO (MEXICO), GARCIA-MARQUEZ (COLOMBIA), POETRY BY NERUDA (CHILE), AND SHORT FICTION BY BORGES (ARGENTINA).
- ENG 4325 COMPOSITION TECHNIQUES
A STUDY OF ADVANCED COMPOSITION TECHNIQUES, INCLUDING THEORIES AND METHODS OF TEACHING COMPOSITION SKILLS.

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PREREQUISITE: 12 HOURS OF ENGLISH.

- ENG 5310 AMERICAN WRITERS OF THE SOUTH
INTENSIVE READING IN THE WRITERS OF THE SOUTH WITH EMPHASIS IN THEIR
CONSIDERABLE INFLUENCE ON AMERICAN LETTERS.
- ENG 5311 DRAMA IN MODERN TIMES
A CONCENTRATED STUDY OF DRAMATIC LITERATURE BEGINNING WITH IBSEN THAT
STRESSES MODERN MODES AND TRENDS, INCLUDING AVANT GARDE INNOVATIONS
IN DRAMA. STUDENTS ARE REQUIRED TO REPORT ORALLY TO THE CLASS GROUP IN
DOCUMENTED REPORTS ON ASSIGNED SUBJECTS.
- ENG 5315 PROBLEMS IN CREATIVE WRITING
SPECIAL PROBLEMS IN THE WRITING AND CRITICISM OF SHORT STORIES,
ESSAYS, ONE-ACT PLAYS, AND POETRY.
- ENG 5316 STUDIES IN MEXICAN-AMERICAN LITERATURE
ADVANCED STUDY OF THE LITERATURE BY AND ABOUT MEXICAN AMERICANS, WITH
EMPHASIS ON THE LITERARY TECHNIQUES AND THE CULTURAL REFLECTIONS IN
THIS LITERATURE.
- ENG 5317 STUDIES IN ENGLISH PHONOLOGY
STUDIES IN THE SOUND SYSTEM OF MODERN ENGLISH WITH SPECIAL ATTENTION
GIVEN TO THE METHODS AND FINDINGS OF CONTEMPORARY LINGUISTICS.
PREREQUISITE: ENGLISH 3319.
- ENG 5318 LITERATURE FOR THE SECONDARY SCHOOL
RESOURCES AVAILABLE FOR THE TEACHER OF ENGLISH WITH CONSIDERATION OF
ANALYTICAL TECHNIQUES.
- ENG 5324 MAJOR LATIN AMERICAN WRITERS IN ENGLISH TRANSLATION
A STUDY OF MAJOR WORKS OF CONTEMPORARY LATIN-AMERICAN LITERATURE,
INCLUDING ESSAYS BY OCTAVIO PAZ, FICTION BY AZUELA, FUENTES, RULFO
(MEXICO), GARCIA-MARQUEZ (COLUMBIA); POETRY BY NERUDA (CHILE);
AND SHORT FICTION BY BORGES (ARGENTINA).
- ENG 5325 STUDIES IN COMPOSITION TECHNIQUES
ADVANCED STUDY OF COMPOSITION THEORY AND TECHNIQUES AND METHODS OF
TEACHING COMPOSITION, WITH SPECIAL EMPHASIS ON TEACHING COLLEGE
FRESHMAN ENGLISH COMPOSITION. REQUIRED OF ALL ENGLISH GRADUATE TEACHING
ASSISTANTS
- ENG 5341 STUDIES IN SHAKESPEARE
SELECTED TRAGEDIES, COMEDIES, AND HISTORIES WITH EMPHASIS ON
SHAKESPEARE'S DEVELOPMENT AS A DRAMATIC ARTIST.
- ENG 5342 STUDIES IN MODERN ENGLISH SYNTAX
ADVANCED STUDIES IN MODERN ENGLISH SYNTAX WITH ATTENTION GIVEN TO
INVESTIGATE METHODS AND FINDINGS OF CONTEMPORARY LINGUISTIC ANALYSIS.
PREREQUISITE: ENGLISH 3319.
- ENG 5343 PROBLEMS IN COMPARATIVE PHONOLOGY
ANALYSIS AND DESCRIPTION OF THE PHONOLOGY OF ENGLISH AND SPANISH
WITH EMPHASIS ON SIMILARITIES AND DIFFERENCES. PRACTICAL PROBLEMS
OF PRODUCTION AND DESCRIPTION CONSIDERED. COURSE WILL BE TAUGHT IN
BOTH ENGLISH AND SPANISH. MAY BE COUNTED AS ENGLISH OR SPANISH 5343.
PREREQUISITE: ENGLISH 3318 OR 3319 OR SPANISH 3306.
- ENG 5344 PROBLEMS IN COMPARATIVE SYNTAX
ANALYSIS AND DESCRIPTION OF THE GRAMMATICAL SYSTEMS OF ENGLISH AND
SPANISH. SPECIAL STUDY OF THE PRACTICAL PROBLEMS OF PRODUCTION AND
DESCRIPTION. COURSE WILL BE TAUGHT IN BOTH ENGLISH AND SPANISH. MAY
BE COUNTED AS ENGLISH OR SPANISH 5344.

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PREREQUISITE: ENGLISH 4302 OR 5342 OR SPANISH 3305.

- ENG 5346 LITERATURE OF THE AMERICAN FRONTIER
STUDIES OF FRONTIER LITERATURE IN HISTORICAL CONTEXT.
- ENG 5348 DEVELOPMENT OF THE ENGLISH LANGUAGE
THE ORIGINS AND DEVELOPMENT OF THE ENGLISH LANGUAGE, INCLUDING
EVOLUTION OF SYNTAX, ACCRETION OF VOCABULARY, AND STUDY OF
PRONUNCIATION.
- ENG 5349 STUDIES IN CHAUCER
EXTENSIVE READING IN THE WORKS OF ENGLAND'S FIRST GREAT POET.
- ENG 5350 WRITERS OF THE SOUTH AND SOUTHWEST
INTENSIVE READING IN THE WRITERS OF THE SOUTH AND SOUTHWEST WITH
EMPHASIS IN THEIR CONSIDERABLE INFLUENCE ON AMERICAN LETTERS.
- ENG 5352 STUDIES IN MILTON
A STUDY OF THE CAREER AND WRITING OF "THE LAST GREAT RENAISSANCE
HUMANIST," EXAMINING THE DEVELOPMENT OF HIS POETIC STYLE IN THE
EARLY WORKS, THE EVOLUTION OF HIS POLITICAL AND RELIGIOUS THOUGHT
IN THE PROSE WORKS OF HIS MIDDLE YEARS, AND THE CULMINATION OF HIS ART
IN 'PARADISE LOST,' 'PARADISE REGAINED,' AND 'SAMSON AGONISTES.'
- ENG 5359 INTRODUCTION TO DESCRIPTIVE LINGUISTICS FOR TEACHERS
AN INTRODUCTION TO THE METHODS OF LINGUISTIC SCIENCE WITH EMPHASIS ON
PROBLEM SOLVING TECHNIQUES AND THE APPLICATION TO SPECIFIC PROBLEMS.
INCLUDES A RESEARCH PROJECT EXPLORING THE APPLICATION OF LINGUISTICS TO
SPECIFIC TEACHING SITUATIONS. NOT OPEN TO STUDENTS WITH CREDIT IN
ENGLISH 3319.
- ENG 6300 BIBLIOGRAPHY AND RESEARCH METHODS
A SURVEY OF THE CHIEF SOURCE MATERIALS OF LITERARY HISTORY AND
CRITICISM AND AN INTRODUCTION TO METHODS AND AIDS IN LITERARY RESEARCH
METHODS. REQUIRED OF ALL GRADUATE ENGLISH MAJORS.
- ENG 6301 SEMINAR IN TEACHING FRESHMAN ENGLISH
A WORKSHOP TO ACQUAINT THE BEGINNING GRADUATE ASSISTANT WITH THE NATURE,
THE OBJECTIVES, THE METHODS, AND THE USUAL PROBLEMS OF TEACHING FRESHMAN
COMPOSITION. REQUIRED OF ALL TEACHING ASSISTANTS IN THEIR FIRST
SEMESTER OF TEACHING.
- ENG 6303 ELIZABETHAN AND JACOBEAN DRAMA
ENGLISH DRAMA, EXCLUSIVE OF SHAKESPEARE, FROM THE BEGINNING OF THE
ELIZABETHAN AGE TO THE CLOSING OF THE THEATERS.
- ENG 6304 DRAMA OF THE RESTORATION AND THE 18TH CENTURY
A STUDY OF REPRESENTATIVE PLAYS WITH EXAMINATION OF CRITICAL AND
HISTORICAL PROBLEMS.
- ENG 6315 WORKSHOP IN CREATIVE WRITING
WORK IN ALL GENRES FOR ADVANCED STUDENTS WITH A SERIOUS INTEREST IN
PUBLISHING.
- ENG 6347 PROBLEMS IN LITERARY CRITICISM
MAJOR AESTHETIC THEORIES RELATED TO EXERCISES IN PRACTICAL CRITICISM.
REQUIRED OF ALL GRADUATE ENGLISH MAJORS.
- ENG 6351 PROBLEMS IN LINGUISTICS
STUDIES IN MODERN LINGUISTICS WITH EMPHASIS ON THE PRACTICAL HELP
WHICH THE SCIENCE OFFERS TO THE STUDENT OF THE ENGLISH LANGUAGE. MAY
BE REPEATED ONCE WHEN THE EMPHASIS VARIES. (SPECIAL TOPICS TO BE

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ANNOUNCED IN SCHEDULE OF CLASSES.)

PREREQUISITE: ENGLISH 3319 OR CONSENT OF THE INSTRUCTOR.

- ENG 6352 PROBLEMS IN CHILDREN'S LITERATURE
THIS COURSE CONCENTRATES ON THREE MAJOR PROBLEMS--THE DEFINITION,
THE SELECTION, AND THE CLASSROOM PRESENTATION OF CHILDREN'S LITERATURE.
- ENG 6360 STUDIES IN ENGLISH LITERATURE
EXTENSIVE STUDY IN ENGLISH LITERATURE. MAY BE REPEATED FOR CREDIT
WHEN THE TOPIC VARIES. (SPECIAL TOPICS TO BE ANNOUNCED IN SCHEDULE OF
CLASSES.)
- ENG 6370 STUDIES IN AMERICAN LITERATURE
EXTENSIVE STUDY IN AMERICAN LITERATURE. MAY BE REPEATED FOR CREDIT
WHEN THE TOPIC VARIES. (SPECIAL TOPICS TO BE ANNOUNCED IN SCHEDULE
OF CLASSES.)
- ENG 6390 STUDIES IN SPECIAL TOPICS
EXTENSIVE STUDY IN TOPICS NOT LIMITED TO AMERICAN OR ENGLISH LITERATURE.
MAY BE REPEATED FOR CREDIT WHEN THE TOPIC VARIES.
- ENG 7300 THESIS
- ENG 7301 THESIS
- ENGR 2303 STATICS AND ELEMENTARY KINEMATICS.
ELEMENTARY VECTOR ALGEBRA. CENTER OF MASS. EQUATIONS OF EQUILIBRIUM,
FRICTION. KINEMATICS OF PARTICLES AND RIGID BODIES.
PREREQUISITE: PHYSICS 1403. NOT OFFERED EACH YEAR.
- FR 1321 BEGINNING FRENCH.
A STUDY OF THE ESSENTIALS OF FRENCH GRAMMER, PRONUNCIATION, ELEMENTARY
CONVERSATION AND PROSE READING.
- FR 1322 BEGINNING FRENCH.
A CONTINUATION OF FRENCH 1321.
PREREQUISITE: FRENCH 1321.
- FR 2321 INTERMEDIATE FRENCH.
A COMPREHENSIVE REVIEW OF FRENCH GRAMMAR WITH PRONUNCIATION,
CONVERSATION AND ADDITIONAL PROSE READING.
- FR 2322 A CONTINUATION OF FRENCH 2321.
PREREQUISITE: FRENCH 2321.
- GEOG 2301 CONSERVATION OF NATURAL RESOURCES
A STUDY OF THE USE OF CONSERVATION OF OUR NATURAL RESOURCES.
INCLUDES TOPICS IN SOILS, MINERALS, WATER AND ENERGY RESOURCES.
DESIGNED TO MEET THE CONSERVATION REQUIREMENTS FOR ELEMENTARY EDUCATION.
CAN BE COUNTED IN THE SUPPORTING AREAS OF ELEMENTARY CURRICULUM.
- GEOG 2313 PRINCIPLES OF GEOGRAPHY: PHYSICAL ELEMENTS.
AN OVERVIEW OF THE EARTH'S NATURAL FEATURES SYSTEMATICALLY DESCRIBED
AND INTERPRETED THROUGH BASIC GEOGRAPHY PRINCIPLES. EMPHASIS ON
EARTH-SUN RELATIONS, THE WORLD PATTERN AND DISTRIBUTION OF WATER AND
CLIMATE; LANDSCAPE DEVELOPMENT UNDER THE INFLUENCE OF VOLCANISM AND
MOUNTAIN-BUILDING FORCES, RIVERS, UNDERGROUND WATER, GLACIERS, WAVE
AND CURRENTS; AND THE WIND; THE NATURE AND CLASSIFICATION OF THE
PRINCIPAL SOIL GROUPS OF THE WORLD. CAN BE COUNTED IN THE SUPPORTING
AREAS OF ELEMENTARY EDUCATION CURRICULUM.

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- GEOG 2323 PRINCIPLES OF GEOGRAPHY: CULTURAL ELEMENTS.**
A STUDY OF MAN'S USE OF NATURAL ENVIRONMENT IN CREATING HIS CULTURAL SETTING. EMPHASIS PLACED UPON AREAS OF PRODUCTION AND CONSUMPTION AND THEIR EFFECTS UPON WORLD POPULATION. CAN BE COUNTED IN THE SUPPORTING AREAS OF ELEMENTARY EDUCATION CURRICULUM.
- GEOG 2333 REGIONAL GEOGRAPHY OF THE WORLD.**
AN INTRODUCTION TO THE STUDY OF WORLD REGIONS EMPHASIZING POPULATION CHARACTERISTICS, ENVIRONMENTAL FEATURES, BASIC RESOURCES, ECONOMIC ACTIVITY, AND GEOPOLITICAL PROBLEMS WITHIN THE MAJOR GEOGRAPHICAL REGIONS.
- GEOG 3333 LATIN-AMERICAN GEOGRAPHY.**
A REGIONAL STUDY OF THE GEOGRAPHY OF MEXICO, THE CARIBBEAN, CENTRAL AND SOUTH AMERICA. INCLUDES AN INVESTIGATION OF THE PHYSICAL, CULTURAL AND ECONOMIC FACTORS OF VARIOUS REGIONS AND HOW THESE EFFECT PRESENT DAY CONDITIONS.
- GEOG 3353 GEOGRAPHY OF TEXAS.**
LANDFORMS, CLIMATES, MINERALS, NATURAL PRODUCTS, AND LAND USE ARE EXAMINED WITH SPECIAL EMPHASIS ON HUMAN RESOURCES, ENVIRONMENTAL FACTORS, ECONOMIC ACTIVITIES, AND THEIR CONTRIBUTION TO TEXAS DEVELOPMENT.
- GEOG 1301 EARTH SCIENCE FOR TEACHERS**
A COURSE PRIMARILY FOR EARTH SCIENCE TEACHERS TO ACQUAINT THEM WITH THE EARTH AND ITS POSITION IN TIME AND SPACE. THE PHYSICAL DEVELOPMENT OF THE INTERFACE CONCEPT OF THE INTERACTION OF THE ATMOSPHERE, HYDROSPHERE, AND LITHOSPHERE. TWO HOURS LECTURE AND TWO HOURS LABORATORY AND FIELD TRIPS. SATISFIES GENERAL EDUCATION REQUIREMENTS FOR A LABORATORY SCIENCE. \$4.00 LABORATORY FEE.
- GEOG 1302 EARTH SCIENCE FOR TEACHERS**
A CONTINUATION OF GEOG. 1301. TWO HOURS LECTURE AND 2 HOURS LABORATORY. PREREQUISITE: GEOG. 1301 RECOMMENDED. \$4.00 LABORATORY FEE.
- GEOG 1401 PHYSICAL GEOLOGY.**
INVOLVES A COMPREHENSIVE DESCRIPTION OF MATERIALS COMPOSING THE EARTH, AND DEALS WITH THE CLASSIFICATION AND ANALYSIS OF GEOLOGIC AGENTS RESPONSIBLE FOR THE ORIGIN, STRUCTURE, AND EVOLUTION OF THE EARTH'S CRUST. THREE HOURS LECTURE AND RECITATION, AND THREE HOURS LABORATORY AND FIELD TRIPS. \$4.00 LABORATORY FEE.
- GEOG 1402 HISTORICAL GEOLOGY.**
A COURSE DEALING WITH THE GEOLOGICAL HISTORY OF THE EARTH AND ITS INHABITANTS AS REVEALED BY THE FOSSIL RECORD WITH EMPHASIS ON NORTH AMERICA. THREE HOURS LECTURE AND RECITATION, AND THREE HOURS LABORATORY AND FIELD TRIPS. STUDENTS ARE EXPECTED TO FURNISH THEIR OWN TRANSPORTATION ON FIELD TRIPS. \$4.00 LABORATORY FEE.
- GEOG 2401 GEOMORPHOLOGY.**
A COURSE DESIGNED FOR SOPHOMORE GEOLOGY MAJORS AND TEACHERS OF EARTH SCIENCE. AN ANALYSIS OF LAND FORMS OF THE EARTH AND PROCESSES BY WHICH THEY ARE FORMED. ALSO, COMPARATIVE STUDIES OF LUNAR-EARTH LAND FORMS. EMPHASIS WILL BE PLACED ON MAPPING AND INTERPRETATION OF LOCAL GEOMORPHOLOGY. THREE HOURS LECTURE AND THREE HOURS LABORATORY AND FIELD TRIPS. PREREQUISITE: GEOG. 1401. \$4.00 LABORATORY FEE.
- GEOG 2402 STRUCTURAL GEOLOGY.**
A COURSE DESIGNED FOR GEOLOGY MAJORS, MINORS AND TEACHERS OF EARTH SCIENCE. A STUDY OF THE ARCHITECTURE OF THE EARTH, INCLUDING THE CAUSES OF DEFORMATION, RESULTING STRUCTURES, AND THEIR INTER-RELATIONSHIPS. THREE HOURS LECTURE AND THREE HOURS LABORATORY AND FIELD TRIPS. PREREQUISITES: GEOG 1401, 1402. \$4.00 LABORATORY FEE.

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- GEOL 3401 MINERALOGY.**
A COURSE DESIGNED FOR GEOLOGY OR CHEMISTRY MAJORS, MINORS, OR TEACHERS OF EARTH SCIENCE. A STUDY OF THE MAJOR MINERAL GROUPS, THEIR ATOMIC STRUCTURE, COMPOSITION, EXTERNAL FORMS, PROPERTIES AND ENVIRONMENTAL INTERPRETATIONS. THREE HOURS LECTURE AND THREE HOURS LABORATORY AND FIELD TRIPS.
PREREQUISITE: GEOLOGY 1401 OR CHEMISTRY 1401, 1402. \$4.00 LABORATORY FEE.
- GEOL 3402 INVERTEBRATE PALEONTOLOGY.**
A COURSE DESIGNED FOR GEOLOGY OR BIOLOGY MAJORS, MINORS, OR TEACHERS OF EARTH SCIENCE. AN INTRODUCTION TO THE STUDY OF FOSSILS, INCLUDING COMPARISON OF LIVING AND FOSSIL FORMS, THEIR MORPHOLOGY, CLASSIFICATION, ECOLOGY AND GEOLOGIC HISTORY. THREE HOURS LECTURE AND THREE HOURS LABORATORY AND FIELD TRIPS.
PREREQUISITE: GEOLOGY 1402 OR BIOLOGY 1401, 1402. \$4.00 LABORATORY FEE.
- GEOL 3403 OCEANOGRAPHY-METEOROLOGY.**
A COURSE DESIGNED FOR TEACHERS OF EARTH SCIENCE. A STUDY OF LARGE OCEAN ATMOSPHERE INTERACTIONS, ESPECIALLY WATER AND AIR MASS CIRCULATIONS AND EFFECTS ON THE LITHOSPHERE. WEATHER OBSERVATIONS AND COASTAL FIELD TRIPS INCLUDED. THREE HOURS LECTURE AND THREE HOURS LABORATORY AND/OR FIELD TRIPS.
PREREQUISITE: GEOL. 1401 OR ADVANCED HOURS IN ANY OF THE RELATED SCIENCES. \$4.00 LABORATORY FEE.
- GEOL 3404 STRATIGRAPHY-SEDIMENTATION.**
A STUDY OF SEDIMENTARY PROCESSES AND PRINCIPLES OF STRATIGRAPHY, FOLLOWED BY A SURVEY OF STRATIFIED ROCKS OF NORTH AMERICA, THEIR CORRELATION, STRATIGRAPHIC RELATIONS, AND GUIDE FOSSILS. THREE HOURS LECTURE AND THREE HOURS LABORATORY AND/OR FIELD TRIPS.
PREREQUISITES: GEOL. 1401, 1402, 2402, 3401. \$4.00 LABORATORY FEE.
- GEOL 3405 PETROLOGY.**
A COURSE DESIGNED FOR GEOLOGY MAJORS OR MINORS, OR TEACHERS OF EARTH SCIENCE. A STUDY OF THE MAJOR ROCK GROUPS, THEIR ORIGIN, CLASSIFICATION AND CHEMICAL AND PHYSICAL PROPERTIES. BOTH MEGASCOPIC AND PETROGRAPHIC TECHNIQUES WILL BE EMPHASIZED. THREE HOURS LECTURE AND THREE HOURS LABORATORY AND FIELD TRIPS.
PREREQUISITE: GEOL. 3401. \$4.00 LABORATORY FEE.
- GER 1331 BEGINNING GERMAN**
A STUDY OF THE ESSENTIALS OF GERMAN GRAMMAR, PRONUNCIATION, ELEMENTARY CONVERSATION AND PROSE READING.
- GER 1332 BEGINNING GERMAN**
A CONTINUATION OF GERMAN 1331.
PREREQUISITE: GERMAN 1331.
- GOVT 2313 UNITED STATES AND TEXAS GOVERNMENT AND POLITICS**
THE ORIGINS AND DEVELOPMENT OF THE AMERICAN GOVERNMENTAL SYSTEM; U. S. AND TEXAS CONSTITUTIONS; FEDERAL-STATE AND INTERSTATE RELATIONS; THE INDIVIDUAL AS A CITIZEN, PERSON AND VOTER; POLITICAL PARTIES. FULFILLS THREE HOURS OF THE LEGISLATIVE REQUIREMENTS OF SIX HOURS OF AMERICAN AND TEXAS GOVERNMENT.
- GOVT 2314 UNITED STATES AND TEXAS GOVERNMENT AND POLITICS**
A FUNCTIONAL STUDY OF THE AMERICAN AND TEXAS CONSTITUTIONS AND GOVERNMENTAL SYSTEMS IN RELATION TO LEGISLATION, EXECUTIVE FUNCTIONS, JUDICIAL FUNCTIONS, ADMINISTRATIVE STRUCTURES AND FUNCTIONS; STRUCTURES AND FUNCTIONS OF LESSER UNITS OF GOVERNMENT; FINANCING GOVERNMENTAL ACTIVITIES; FOREIGN RELATIONS; GOVERNMENTAL SERVICES AND FUNCTIONS IN THE FIELD OF BUSINESS, LABOR, AGRICULTURE, SOCIAL WELFARE, PUBLIC SAFETY AND CONSERVATION. FULFILLS THREE HOURS OF THE LEGISLATIVE

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REQUIREMENTS OF SIX HOURS OF AMERICAN AND TEXAS GOVERNMENT.

- GOVT 2333 INTRODUCTION TO POLITICAL SCIENCE.
EMPHASIS ON POLITICAL FUNDAMENTALS, PUBLIC LAW, THEORY AND ORGANIZATION OF THE MODERN STATE, POLITICAL DYNAMICS AND INSTITUTIONS. REQUIRED OF ALL GOVERNMENT MAJORS AND MINORS. OPEN TO FRESHMEN.
- GOVT 2343 COOPERATIVE EDUCATION AND GOVERNMENT
THIS COURSE IS DESIGNED FOR STUDENTS SEEKING GOVERNMENT CREDIT THROUGH THE COOPERATIVE EDUCATION PROGRAM PROVIDED THE FOLLOWING CONDITIONS ARE MET: (A) THE STUDENT'S PROJECT MUST BE DIRECTLY RELATED TO HIS MAJOR; (B) THE STUDENT MUST BE UNDER DIRECT ACADEMIC SUPERVISION; (C) THE STUDENT MUST COMPLETE WRITTEN ASSIGNMENTS TO BE EVALUATED BY THE SUPERVISING TEACHER; AND (D) THE STUDENT MUST UNDERGO AN ORAL EXAMINATION ADMINISTERED BY THE MAJOR DEPARTMENT. CREDIT APPLIES AS AN ELECTIVE ONLY.
- GOVT 2387 U.S. AND TEXAS GOVERNMENT AND POLITICS. (HONORS PLAN).
THE ORIGINS AND DEVELOPMENT OF THE AMERICAN GOVERNMENTAL SYSTEM; U.S. AND TEXAS CONSTITUTIONS; FEDERAL-STATE AND INTERSTATE RELATIONS; THE INDIVIDUAL AS A CITIZEN, PERSON, AND VOTER; POLITICAL PARTIES. FULFILLS THREE HOURS OF THE LEGISLATIVE REQUIREMENTS OF SIX HOURS OF AMERICAN AND TEXAS GOVERNMENT.
PREREQUISITE: ADMISSION TO HONORS STUDIES OR BY INVITATION.
- GOVT 2388 U.S. AND TEXAS GOVERNMENT AND POLITICS. (HONORS PLAN).
A FUNCTIONAL STUDY OF THE AMERICAN AND TEXAS CONSTITUTIONS AND GOVERNMENTAL SYSTEMS IN RELATION TO LEGISLATION, EXECUTIVE FUNCTIONS, JUDICIAL FUNCTIONS, ADMINISTRATIVE STRUCTURES AND FUNCTIONS; STRUCTURES AND FUNCTIONS OF LESSER UNITS OF GOVERNMENT; FINANCING GOVERNMENTAL ACTIVITIES; FOREIGN RELATIONS; GOVERNMENTAL SERVICES AND FUNCTIONS IN THE FIELD OF BUSINESS, LABOR, AGRICULTURE, SOCIAL WELFARE, PUBLIC SAFETY AND CONSERVATION. FULFILLS THREE HOURS OF SIX HOURS OF AMERICAN AND TEXAS GOVERNMENT.
PREREQUISITE: ADMISSION TO HONORS STUDIES OR BY INVITATION.
- GOVT 3313 RURAL AND LOCAL GOVERNMENT.
A STUDY OF ORGANIZATION, FUNCTIONS, RELATIONSHIPS AND ACTIVITIES OF THE TAXING DISTRICTS AND ONE OF THE COUNTIES OF THE STATE. SPECIAL REFERENCE IS MADE TO TEXAS AND TO THE TYPES OF SUCH DISTRICTS ENCOUNTERED IN THE RIO GRANDE VALLEY.
PREREQUISITES: GOVT. 2313, 2314.
- GOVT 3314 AMERICAN STATE GOVERNMENT.
A STUDY OF THE BASIC FUNCTIONS, STRUCTURE, PROCEDURES AND PROBLEMS OF AMERICAN STATE GOVERNMENT, WITH AN EMPHASIS UPON INTERGOVERNMENTAL RELATIONS.
PREREQUISITES: GOVT. 2313, 2314.
- GOVT 3316 AMERICAN PUBLIC POLICY
AN ANALYSIS OF RATIONALES UNDERLYING SELECTED GOVERNMENTAL PROGRAMS AND ASSESSMENTS OF THE EFFECTIVENESS OF THESE PROGRAMS.
PREREQUISITES: GOVT. 2313, 2314
- GOVT 3318 AMERICAN POLITICS
SIGNIFICANT DEVELOPMENTS AND ISSUES IN AMERICAN POLITICS, INCLUDING AMERICAN POLITICAL BEHAVIOR AND AMERICAN POLITICAL LEADERSHIP.
PREREQUISITES: GOVT. 2313, 2314
- GOVT 3322 POLITICS OF EMERGING NATIONS
ANALYSIS OF POLITICAL INSTITUTIONS AND PROCESSES WITH FOCUS ON "THIRD WORLD" EMERGING NATIONS.
PREREQUISITES: GOVT. 2313, 2314
- GOVT 3323 INTRODUCTION TO PUBLIC ADMINISTRATION.

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A SURVEY OF PUBLIC ADMINISTRATION IN THE UNITED STATES WITH EMPHASIS UPON ITS GENERAL MACHINERY AND ON THE POWERS, PROBLEMS AND CONTROL OF GOVERNMENTAL AGENCIES.

PREREQUISITES: GOVT. 2313, 2314.

GOVT 3343 INTERNATIONAL POLITICS.
A STUDY OF THE POLITICAL PRINCIPLES, PROBLEMS AND FACTORS INVOLVED IN THE FOREIGN POLICIES AND RELATIONS OF THE NATION-STATES WITH PARTICULAR EMPHASIS ON THE SOURCES AND USES OF NATIONAL POWER AND THE DIFFICULTIES IN LIMITING THE USE OF SUCH POWER.

PREREQUISITES: GOVT. 2313, 2314.

GOVT 3360 AMERICAN MINORITY POLITICS
AN ANALYSIS OF THE POLITICAL POLICIES AND TECHNIQUES EMBRACED BY MINORITIES IN AMERICAN POLITICAL SYSTEM. MINORITIES STUDIES INCLUDE MEXICAN-AMERICANS, BLACKS AND WOMEN.

PREREQUISITE: GOVT. 2313, 2314.

GOVT 3371 TOTALITARIAN GOVERNMENTS AND POLITICS.
A COMPARATIVE STUDY OF IDEOLOGY, INSTITUTIONS AND POLITICAL PROCESSES OF TOTALITARIAN GOVERNMENTS, WITH EMPHASIS ON THE SYSTEMS OF CONTEMPORARY RUSSIA AND COMMUNIST CHINA.

PREREQUISITES: GOVT. 2313, 2314 (CANNOT BE TAKEN FOR DEGREE CREDIT IF STUDENT HAS PREVIOUSLY COMPLETED GOVT. 3372).

GOVT 4300 ACQUIS DIRECTED STUDY IN INTERNATIONAL ACTIVITIES.
A SELF-STUDY PREPARATION FOR ONE MONTH ON SPECIAL AND GENERAL ASPECTS OF THE UNITED NATIONS. (2) TWO WEEKS OF DIRECTED SEMINAR STUDY AND PRACTICAL EXPERIENCES IN THE UNITED NATIONS. (3) ONE MONTH FOR WRITING A TERM PAPER ON THE PROJECT.

PREREQUISITES: JUNIOR-SENIOR STANDING AND CONCURRENCE OF VICE PRESIDENT FOR INTER-AMERICAN AFFAIRS AND INTERNATIONAL EDUCATION.

GOVT 4313 COMPARATIVE GOVERNMENTS: WESTERN DEMOCRACIES.
A STUDY OF THE MAJOR DEMOCRACIES OF EUROPE: GREAT BRITAIN, FRANCE, WEST GERMANY, ITALY, LOW COUNTRIES, SCANDINAVIAN COUNTRIES, SWITZERLAND AND AUSTRIA. A COMPARATIVE STUDY OF PEOPLES AND THEIR INSTITUTIONS.

PREREQUISITES: GOVT. 2313, 2314.

GOVT 4320 AMERICAN CONSTITUTIONAL LAW: FEDERALISM
A STUDY OF THE ALLOCATION OF GOVERNMENT POWERS BY USE OF COURT CASES, WITH SPECIAL EMPHASIS ON THE NATIONAL GOVERNMENT AND AN INTRODUCTION TO THE JUDICIAL FUNCTIONS OF THE AMERICAN LEGAL SYSTEM.

PREREQUISITE: GOVT. 2313, 2314.

GOVT 4321 AMERICAN CONSTITUTIONAL LAW: CIVIL LIBERTIES
A STUDY OF THE LIMITATIONS OF GOVERNMENTAL POWERS IN THE UNITED STATES BY USE OF COURT CASES, WITH PRIMARY EMPHASIS ON CIVIL AND POLITICAL RIGHTS.

PREREQUISITE: GOVT. 2313, 2314.

GOVT 4331 SCOPE AND METHODS OF POLITICAL SCIENCE.
ANALYSIS OF THE SCIENTIFIC STUDY OF POLITICS, MODELS OF INQUIRY AND RESEARCH METHODS.

PREREQUISITE: GOVT. 2313, 2314.

GOVT 4332 AMERICAN POLITICAL THEORY
AN ANALYSIS OF AMERICAN POLITICAL THEORY AND VALUES FROM THE COLONIAL PERIOD TO THE PRESENT. THE WORK OF JEFFERSON, JACKSON, CALHOUN, BELLAMY, HOOVER AND GALBRAITH ARE INCLUDED.

PREREQUISITE: GOVT. 2313, 2314.

GOVT 4333 POLITICAL THEORY (SOCRATES TO THE NINETEENTH CENTURY).
A STUDY OF THE POLITICAL PHILOSOPHY OF WESTERN CIVILIZATION FROM EARLY

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TO MODERN TIMES; THE WORKS OF PLATO, ARISTOTLE, CICERO, MACHIAVELLI, ST THOMAS AQUINAS, HOBBS, LOCKE AND OTHERS WILL BE EXAMINED AND DISCUSSED.
PREREQUISITES: GOVT. 2313, 2314. MAY BE COUNTED AS GOVERNMENT OR PHILOSOPHY.

GOVT 4343 POLITICAL THEORY (NINETEENTH CENTURY TO THE PRESENT). MODERN POLITICAL THOUGHT SINCE THE EIGHTEENTH CENTURY; THE DOCTRINES OF WESTERN DEMOCRACY, WITH SPECIAL EMPHASIS UPON ITS DEVELOPMENT IN THE UNITED STATES; HEGELIAN AND FASCIST ABSOLUTISM, MARXIST COMMUNISM, SOCIALISM AND PROBLEMS OF TWENTIETH CENTURY NATIONALISM.
PREREQUISITES: GOVT. 2313, 2314. MAY BE COUNTED AS GOVERNMENT OR PHILOSOPHY.

GOVT 4353 INTERNATIONAL ORGANIZATION. AN ANALYSIS OF THE JURIDICAL-POLITICAL FOUNDATIONS, ACTUAL MACHINERY AND ACTIVITIES OF THE PRINCIPAL INTERNATIONAL ORGANIZATIONS, PARTICULARLY THE U.N. AND RELATED BODIES. AN APPRECIATION OF THEIR ACHIEVEMENTS TOWARD INTERNATIONAL PEACE.
PREREQUISITES: GOVT. 2313, 2314.

GOVT 4354 POLITICS OF AMERICAN FOREIGN POLICY. THE IMPACT UPON FOREIGN POLICY DECISIONS OF PUBLIC OPINION, VOTING BEHAVIOR, INTEREST GROUPS, POLITICAL PARTIES AND THE ELECTORAL SYSTEM. THEORIES AND MODELS OF THE FOREIGN POLICY PROCESS. ILLUSTRATIVE CASE STUDIES.
PREREQUISITES: GOVT. 2313, 2314.

GOVT 4360 AMERICAN EXECUTIVE PROCESS AND POLICY OUTPUTS. ADVANCED STUDY OF THE DEVELOPMENT OF THE POWER AND INFLUENCE OF THE PRESIDENT AND OTHER AMERICAN EXECUTIVES; PROCEDURES AND POLITICS OF THE EXECUTIVE PROCESS; EXECUTIVE POLICY OUTPUTS; THE RELATION OF THE EXECUTIVE TO THE OTHER ELEMENTS OF THE POLITICAL SYSTEM.
PREREQUISITE: GOVT, 2313, 2314.

GOVT 4363 AMERICAN LEGISLATIVE PROCESS. ADVANCED STUDY OF THE LEGISLATIVE PROCESS; STRUCTURE, POWERS, ORGANIZATION, POLITICAL CONTROL AND PROCEDURES OF CONGRESS, STATE LEGISLATURES AND LOCAL LEGISLATIVE BODIES IN THE REST OF THE POLITICAL SYSTEM.
PREREQUISITE: GOVT. 2313, 2314.

GOVT 4365 AMERICAN ADMINISTRATIVE PROCESS. ADVANCED STUDY OF LAW AND PROCEDURES OF NATIONAL, STATE AND LOCAL ADMINISTRATIVE AGENCIES AND THEIR BEHAVIOR; PROBLEMS IN ADMINISTRATIVE MANAGEMENT; THEORY OF COMPLEX ORGANIZATIONS; POLICY OUTCOMES OF THE ADMINISTRATIVE PROCESS.
PREREQUISITE: GOVT. 2313, 2314.

GOVT 4367 AMERICAN JUDICIAL PROCESS. ADVANCED STUDY OF THE STRUCTURE, FUNCTIONS AND PROCEDURES OF THE NATIONAL, STATE AND LOCAL JUDICIAL SYSTEMS; THE INTERRELATIONSHIP BETWEEN THE AMERICAN JUDICIARY AND OTHER COMPONENTS OF THE POLITICAL SYSTEM; THE IMPACT OF JUDICIAL DECISION-MAKING ON PUBLIC POLICY.
PREREQUISITE: GOVT, 2313, 2314.

GOVT 4373 AMERICAN POLITICAL PARTIES AND POLITICS. A STUDY OF THE HISTORY, ORGANIZATION, FUNCTION AND LEADERSHIP OF POLITICAL PARTIES AND THE ROLE THEY PLAY IN THE OPERATION OF NATIONAL, STATE AND LOCAL GOVERNMENTS IN THE UNITED STATES AND A STUDY OF THE ROLE OF GROUP POLITICS AND VOTING BEHAVIOR IN THE AMERICAN POLITICAL PROCESS.

GOVT 4380 GOVERNMENTS AND POLITICS OF ASIA. THE SOCIO-ECONOMIC SETTING, CONSTITUTIONAL FRAME WORK, POLITICAL FORCES, AUTHORITATIVE DECISION MAKING AGENCIES AND CERTAIN MAJOR POLICY OUTPUTS

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OF SELECTED GOVERNMENTS OF ASIAN NATIONS. EMPHASIS OF JAPAN, INDIA,
THAILAND, INDONESIA AND THE PHILLIPINES.
PREREQUISITES: GOVT. 2313, 2314.

GOVT 4382 GOVERNMENTS AND POLITICS OF ASIA
THE SOCIO-ECONOMIC SETTING; CONSTITUTIONAL FRAMEWORK, POLITICAL FORCES,
AUTHORITATIVE DECISION MAKING AGENCIES AND CERTAIN MAJOR POLICY OUTPUTS
OF SELECTED GOVERNMENTS OF ASIAN NATIONS. EMPHASIS ON JAPAN, INDIA,
THAILAND, INDONESIA AND THE PHILLIPINES.
PREREQUISITES: GOVT. 2313, 2314.

GOVT 4383 LATIN-AMERICAN POLITICS,
A SURVEY OF GOVERNMENTAL STRUCTURES AND POLITICS IN LATIN AMERICA.
EXAMINES COMPETING IDEOLOGIES, GROUP DEVELOPMENTS, PARTY INTERESTS,
INFLUENCE OF REVOLUTION, RELATIONSHIP BETWEEN POLITICAL, SOCIAL AND
ECONOMIC STRUCTURES AND LATIN AMERICA'S ROLE IN THE WORLD POLITICAL
ARENA.
PREREQUISITES: GOVT. 2313, 2314 (WAS GOVT. 3383, MAY NOT BE REPEATED
FOR CREDIT).

GOVT 4384 SEMINAR IN LOCAL GOVERNMENT PROBLEMS I.
AN EXAMINATION AND STUDY OF ADMINISTRATIVE PROBLEMS IN LOCAL
GOVERNMENT.
PREREQUISITE: GOVT 2313, 2314.

GOVT 4385 SEMINAR IN LOCAL GOVERNMENT PROBLEMS II.
AN EXAMINATION OF PROBLEMS ENCOUNTERED BY THE INTERNS IN THEIR WORK
WITH VARIOUS LOCAL GOVERNMENTAL AGENCIES AND EFFORTS TO FIND SOLUTIONS
BY APPLICATIONS OF LATEST GOVERNMENTAL ADMINISTRATIVE THEORIES.
PREREQUISITE: GOVT 2313, 2314.

GOVT 4386 SOUTH AMERICAN POLITICS
A SURVEY OF GOVERNMENTAL STRUCTURES AND POLITICS IN SOUTH AMERICA.
EXAMINES COMPETING IDEOLOGIES, GROUP DEVELOPMENTS, PARTY INTERESTS,
INFLUENCE OF REVOLUTION, RELATIONSHIP BETWEEN POLITICAL, SOCIAL AND
ECONOMIC STRUCTURES AND SOUTH AMERICA'S ROLE IN THE WORLD POLITICAL
ARENA.
PREREQUISITES: GOVT. 2313, 2314.

GOVT 5360 AMERICAN EXECUTIVE PROCESS AND POLICY OUTPUTS
ADVANCED STUDY OF THE DEVELOPMENT OF THE POWER AND INFLUENCE OF THE
PRESIDENT AND OTHER AMERICAN EXECUTIVES; PROCEDURES AND POLICIES OF THE
EXECUTIVE PROCESS; EXECUTIVE POLICY OUTPUTS; THE RELATION OF THE
EXECUTIVE TO THE OTHER ELEMENTS OF THE POLITICAL SYSTEM.

GOVT 5367 AMERICAN JUDICIAL PROCESS
ADVANCED STUDY OF THE STRUCTURE, FUNCTIONS AND PROCEDURES OF THE
NATIONAL, STATE AND LOCAL JUDICIAL SYSTEMS, THE INTERRELATIONSHIP
BETWEEN THE AMERICAN JUDICIARY AND OTHER COMPONENTS OF THE POLITICAL
SYSTEM; THE IMPACT OF JUDICIAL DECISION-MAKING ON PUBLIC POLICY.

GOVT 5386 POLITICS OF SOUTH AMERICA
A SURVEY OF GOVERNMENTAL STRUCTURES AND POLITICS IN SOUTH AMERICA.
EXAMINES THE POLITICAL PROCESSES AND THEIR RELATIONSHIP TO EXISTING
SOCIAL AND ECONOMIC STRUCTURES OF SOUTH AMERICA.

H E 1352 COMMUNITY AND ENVIRONMENTAL HEALTH.
BASIC COMMUNITY HEALTH PROBLEMS WITH EMPHASIS UPON COMMUNICABLE
DISEASE, WASTE DISPOSAL, SAFE WATER, FOOD AND DRUG CONTROL AND THE
IMPROVEMENT OF COMMUNITY HEALTH EDUCATION.

H E 1354 SAFETY EDUCATION AND FIRST AID.
BASIC KNOWLEDGES FOR SAFE AND EFFECTIVE LIVING, THE ESSENTIAL
ASPECTS OF HOME, SCHOOL, COMMUNITY, WORK AND TRAFFIC SAFETY, THEORETICAL
AND PRACTICAL ASPECTS OF EMERGENCY CARE. RED CROSS STANDARD AND

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ADVANCED CERTIFICATES AVAILABLE UPON COMPLETION OF SPECIFIC REQUIREMENTS.

- H E 2352 THE HEALTH EDUCATION PROGRAM IN THE ELEMENTARY SCHOOL. BASIC PRINCIPLES OF SCHOOL HEALTH EDUCATION, METHODS OF TEACHING AND THE ADMINISTRATION OF THE HEALTH PROGRAM IN THE ELEMENTARY SCHOOL.
- H E 2371 HEALTH PROBLEMS IN THE USE OF ALCOHOL, TOBACCO AND NARCOTICS. EXAMINATION OF THE PSYCHOLOGICAL, PHYSIOLOGICAL AND SOCIAL EFFECTS OF THE MISUSE OF DRUGS AND OTHER HARMFUL AGENTS. LEGAL AND ETHICAL IMPLICATIONS FOR THE INDIVIDUAL AND SOCIETY.
- H E 2372 NUTRITION AND HEALTH HUMAN GROWTH PATTERNS AND SYSTEMIC DEVELOPMENT. ORGANISMIC NUTRITIVE NEEDS AND SOURCES. PHYSICAL FITNESS DEFINED AND RELATED TO TOTAL FITNESS. THE NATURE, SOURCE, CONTROL AND TREATMENT OF NONCOMMUNICABLE DISEASE.
- H E 2373 GROWTH, DEVELOPMENT, AND FITNESS A STUDY OF THE GROWTH PROCESS AND SYSTEMIC DEVELOPMENT OF THE HUMAN ORGANISM. THE CONCEPT OF PHYSICAL FITNESS IS ANALYZED AND RELATED TO ORGANISMIC FUNCTION AND WELL BEING.
- H E 3373 SOCIAL HEALTH AND FAMILY LIFE ADJUSTMENT OF THE INDIVIDUAL TO LIFE IN THE SOCIAL GROUP WITH EMPHASIS UPON PROBLEMS OCCURRING IN MENTAL AND EMOTIONAL HEALTH, AGING, FAMILY LIVING AND HUMAN SEXUALITY.
- H E 3374 CHRONIC AND DEGENERATIVE DISEASE A STUDY OF CHRONIC AND DEGENERATIVE DISEASE WITH RESPECT TO THE NATURE, SOURCE, INCIDENCE, CONTROL, AND TREATMENT OF DISEASES SUCH AS: CANCER, CARDIO-VASCULAR ANOMALIES, NEUROLOGICAL DISORDERS, MENTAL RETARDATION, AND GENETIC DISORDERS. EMPHASIS IS UPON PROVIDING SUFFICIENT AND USABLE INFORMATION WHICH WILL PROVIDE THE BASIS FOR RESPONSIBLE ACTION IN MATTERS OF PERSONAL HEALTH.
- H E 3375 CONSUMER HEALTH. SELECTION, EVALUATION AND UNDERSTANDING OF HEALTH INFORMATION, MEDICAL SERVICES, HEALTH PRODUCT ADVERTISING AND SOCIO-CULTURAL FACTORS IN CONSUMER HEALTH PROTECTION.
- H E 4350 SECONDARY SCHOOL HEALTH PROGRAM. THE CURRICULAR ORGANIZATION OF THE SCHOOL HEALTH EDUCATION PROGRAM. DELINEATION AND FUNCTION OF THE VARIOUS PHASES OF SCHOOL HEALTH EDUCATION. EMPHASIS UPON PLANNING, CONTENT SELECTION, METHODOLOGY AND EVALUATION AT THE VARIOUS GRADE LEVELS.
- H E 4356 ADMINISTRATION OF THE SCHOOL HEALTH PROGRAM. THE ORGANIZATION AND ADMINISTRATION OF THE TOTAL SCHOOL HEALTH PROGRAM WITH SPECIAL EMPHASIS ON CURRICULUM PROBLEMS, PERSONNEL RESPONSIBILITIES, SUPERVISION AND THE FUNCTIONAL RELATIONSHIP OF LOCAL, STATE AND FEDERAL HEALTH AGENCIES.
- H E 4357 HEALTH EDUCATION WORKSHOP. FOR TEACHERS, NURSES, PRINCIPALS, SUPERINTENDENTS AND COMMUNITY LEADERS TO GAIN PERSPECTIVE AND INSIGHT INTO ESSENTIAL COOPERATIVE EFFORTS OF HOME, SCHOOL AND COMMUNITY TO MEET THE GROWING HEALTH NEEDS OF OUR SOCIETY.
- H E 4358 CURRENT HEALTH READINGS AND REPORTED RESEARCH. EXTENSIVE GLEANING OF THE LITERATURE TO IDENTIFY THE LATEST CONCEPTS AND RESEARCH FINDINGS TO PROVIDE THE BASIS FOR DISCUSSION AND THE ANALYSIS OF THE RELEVANCE OF SUCH TO THE SCHOOL HEALTH EDUCATION PROGRAM.

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- H R 2301 INTRODUCTION TO HUMAN RESOURCES. SURVEY COURSE ON HUMAN RESOURCE PROGRAMS, STRUCTURE, PROBLEMS AND POLICIES. INCLUDES HISTORICAL BACK-GROUND AND PHILOSOPHY OF MANPOWER PROGRAMS; OBJECTIVES AND FUNCTIONS OF MANPOWER PROGRAMS, JOB PLACEMENT, JOB DEVELOPMENT, COUNSELING AND INTERVIEWING.
- H R 4302 MANPOWER PROGRAMS AND INSTITUTIONS. AN EXAMINATION AND DETAILED STUDY OF MANPOWER PROGRAMS, INCLUDING THE PUBLIC EMPLOYMENT SERVICE, VOCATIONAL EDUCATION, APPRENTICESHIP AND TRAINING, AND VOCATIONAL REHABILITATION PROGRAMS AS INSTRUMENTS OF AN ACTIVE MANPOWER POLICY. SPECIAL EMPHASIS WILL BE GIVEN TO THE IMPACT OF MANPOWER PROGRAMS ON ECONOMIC POLICY; INCLUDES EVALUATION OF HUMAN RESOURCE DEVELOPMENT PROGRAMS IN THE PAST AND PRESENT.
PREREQUISITES: ECO, 4354, H.R. 2301 (MAY BE WAIVED BY CONSENT OF INSTRUCTOR).
- H R 4303 HUMAN RESOURCE PLANNING. ANALYSIS OF PLANNING PROCESS AND STRUCTURE OF MANPOWER AND OTHER HUMAN RESOURCE PROGRAMS AT THE NATIONAL, STATE AND LOCAL LEVELS. INCLUDES THE POLITICS AND ART OF MANPOWER PLANNING.
PREREQUISITE: H.R. 2301 OR H.R. 4302.
- H R 4304 MANPOWER LEGISLATION AND PUBLIC POLICY. ANALYSIS AND STUDY OF MANPOWER LAWS AND PROCEDURES OF NATIONAL, STATE AND LOCAL ADMINISTRATION. STUDY OF THE ROLES OF FEDERAL, STATE AND LOCAL GOVERNMENTS IN MANPOWER POLICY AND ADMINISTRATION.
PREREQUISITE: H.R. 2301 OR H.R. 4302.
- H R 4305 HUMAN RESOURCES MANAGEMENT. MANPOWER ADMINISTRATION POLICIES AND PROCEDURES; THE PROCESS AND IMPLEMENTATION OF PROGRAMS BY OBJECTIVES; PROBLEMS IN ADMINISTRATIVE MANAGEMENT OF MANPOWER PROGRAMS; ANALYSIS OF THE INTERACTION OF MANPOWER INSTITUTIONS.
PREREQUISITE: H R 2301 OR H R 4302.
- H R 4308 STUDENT INTERNSHIP IN MANPOWER AGENCIES. DESIGNED TO PROVIDE STUDENTS WITH PRACTICAL EXPERIENCE IN MANPOWER OR HUMAN RESOURCE PROGRAMS. STUDENTS WILL BE SUPERVISED BY THE LOCAL OFFICE MANAGER AND ASSIGNED TO VARIOUS FUNCTIONS/ACTIVITIES IN MANPOWER PROGRAMS. A MINIMUM OF 20 HOURS PER WEEK FOR 18 WEEKS OF WORK EXPERIENCE IN LOCAL MANPOWER AGENCIES ARE REQUIRED OF INTERNS. THE LOCAL MANPOWER AGENCY WILL MAKE A WRITTEN EVALUATION OF THE INTERNS PERFORMANCE ON THE JOB. MUST BE APPROVED IN ADVANCE OF INTERSHIP ASSIGNMENT.
PREREQUISITE: H.R. 2301 OR H.R. 4302.
- H R 5302 MANPOWER PROGRAMS AND INSTITUTIONS. DETAILED STUDY OF MANPOWER AND OTHER HUMAN RESOURCE DEVELOPMENT PROGRAMS; INCLUDING THE PUBLIC EMPLOYMENT SERVICE, VOCATIONAL EDUCATION, APPRENTICESHIP AND TRAINING, VOCATIONAL REHABILITATION, AS ACTIVE INSTRUMENTS OF MANPOWER POLICY. SPECIAL EMPHASIS WILL BE GIVEN TO IMPACT OF MANPOWER PROGRAMS ON ECONOMIC POLICY. INCLUDES PAST AND PRESENT EVALUATION OF HUMAN RESOURCE DEVELOPMENT PROGRAMS.
PREREQUISITE: ECO 4354.
- H R 5303 HUMAN RESOURCE PLANNING. STUDY OF THE PLANNING PROCESS AND STRUCTURE OF MANPOWER AND OTHER HUMAN RESOURCE PROGRAMS AT THE NATIONAL, STATE AND LOCAL LEVELS. INCLUDES POLICIES AND LEGISLATIVE ACTS OF FEDERAL, STATE AND LOCAL PLANNING. SPECIAL EMPHASIS WILL BE PROVIDED ON THE ART AND POLITICS OF MANPOWER PLANNING; UTILIZATION OF LABOR MARKET INFORMATION AND SOCIO-ECONOMIC DATA FOR PLANNING PURPOSES. INCLUDES MANPOWER DELIVERY SYSTEMS, MONITORING, IMPLEMENTATION AND EVALUATION OF PROGRESS AT THE LOCAL LEVEL.
PREREQUISITE: H R 4302 OR 5302.

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- H R 5304 MANPOWER LEGISLATION AND PUBLIC POLICY
STUDY OF MANPOWER LAWS AND PROCEDURES AT THE NATIONAL, STATE AND LOCAL ADMINISTRATIVE LEVELS. STUDY OF ROLES OF THE FEDERAL, STATE AND LOCAL GOVERNMENTS IN MANPOWER POLICY, OPERATIONS AND IMPLICATIONS.
PREREQUISITE: H R 4302 OR 5302.
- H R 5305 HUMAN RESOURCES MANAGEMENT
MANPOWER ADMINISTRATION POLICIES AND PROCEDURES; THE PROCESS AND IMPLEMENTATION OF PROGRAMS BY OBJECTIVES; PROBLEMS IN ADMINISTRATIVE MANAGEMENT OF MANPOWER PROGRAMS; ANALYSIS OF THE INTERACTION OF MANPOWER INSTITUTIONS;
PREREQUISITE: H R 2301 OR H R 4302, B A 3361.
- H R 6301 ADVANCED MANPOWER RESEARCH METHODS AND DATA SOURCES
REVIEW, EVALUATION AND USAGE OF SOURCES OF LABOR MARKET INFORMATION AND SOCIO-ECONOMIC DATA. ANALYSIS OF RESEARCH DESIGN AND METHODS USED IN HUMAN RESOURCES RESEARCH.
PREREQUISITES: 6 HOURS OF ADVANCED HUMAN RESOURCES AND 3 HOURS OF UPPER LEVEL STATISTICS.
- H R 6309 ADVANCED SEMINAR IN HUMAN RESOURCES
SELECTED TOPICS IN HUMAN RESOURCES. DESIGNED TO GIVE STUDENTS EXPOSURE IN CONTEMPORARY ISSUES.
PREREQUISITE: 6 HOURS OF ADVANCED HUMAN RESOURCES.
- H S 1301 DIRECTED STUDIES IN HUMAN SERVICES
AN INDIVIDUAL COMMUNITY-LABORATORY RESEARCH COURSE DESIGNED FOR STUDENTS EMPLOYED FULL-TIME AS PAID OR VOLUNTEER WORKERS IN HUMAN SERVICES AGENCIES. STUDENTS MAY NOT SCHEDULE OTHER CLASSES DURING THE TIME PERIOD THEY ARE ENROLLED IN THIS COURSE, AND WILL SUBMIT TO THE HUMAN SERVICES PROGRAM COORDINATOR A PROSPECTIVE OF THEIR STUDY OUTLINE. THE PROJECT REPORT WILL BE EVALUATED BY THE COORDINATOR ONE WEEK PRIOR TO THE BEGINNING OF THE NEXT YEAR'S WORK. THERE WILL BE SEMINAR GROUP MEETINGS CONNECTED WITH THIS COURSE. SEMINAR HOURS TO BE ARRANGED AND THIRTY HOURS OF LABORATORY EACH WEEK.
PREREQUISITE: APPROVAL BY PROGRAM COORDINATOR AND DIRECTOR, DIVISION OF HEALTH RELATED PROFESSIONS.
- H S 1311 INTRODUCTION TO GROUP DYNAMICS
INTRODUCTION TO THEORY AND PRACTICE OF GROUP FUNCTIONING AND INTERACTIONS AMONG AND BETWEEN GROUP MEMBERS. INTERPERSONAL RELATIONSHIPS AMONG GROUP MEMBERS AS THEY DEVELOP THROUGH THE PROCESSES OF DISCUSSION AND COMMUNICATION PATTERNS, BOTH VERBAL AND NON-VERBAL, WILL BE REVIEWED AND STUDIED. THE EMERGENCE OF LEADERSHIP AND FOLLOWERSHIP WILL BE EXAMINED AS THEY HAPPEN; THE SIMULATION OF ROLE PLAYING, PSYCHODRAMA AND OTHER LEARNING TECHNIQUES WILL BE EXAMINED BY THE STUDENTS. THE CLASS, AS A GROUP, WILL STUDY ITSELF IN DIFFERENT GROUP SITUATIONS TO BEGIN THE DEVELOPMENT OF SENSITIVITY SKILLS AND TO UNDERSTAND THE VARIOUS WAYS THROUGH WHICH PEOPLE COMMUNICATE THEIR FEELINGS AND ATTITUDES IN DIFFERENT GROUP SETTINGS. TWO HOURS LECTURE AND FIVE HOURS LABORATORY EACH WEEK; 3 CREDITS.
- H S 1351 INTRODUCTION TO THE HUMAN SERVICES AGENCIES AND PROGRAMS
ORIENTATION TO HISTORY, CURRENT CONCEPTS AND TRENDS IN HUMAN SERVICES, WHICH INCLUDE MENTAL HEALTH, MENTAL RETARDATION AGENCIES AND PROGRAMS, DEFINITION AND ROLE OF THE HUMAN SERVICE ASSOCIATE AND WORKERS, STUDIES OF THE HUMAN SERVICES PRACTICES FROM ANCIENT TO MODERN TIMES. EMPHASIS IS GIVEN TO THE CURRENT COMPREHENSIVE COMMUNITY APPROACH, TO THE BROAD ASPECTS AND THE VARIOUS DISCIPLINES IN THE HUMAN SERVICES, AS APPLIED TO REAL LIFE OCCUPATIONAL SITUATIONS WITH BASIC CULTURAL AND ECONOMIC PROBLEMS AND DIFFERENCES RELATED TO DYNAMICS OF THE COMMUNITY. COMMUNITY LABORATORY PARTICIPATION IN THOSE ACTIVITIES BY WHICH THE COMMUNITY-AS-A-WHOLE, VIA ITS INDIGENOUS INSTITUTIONS, SOCIAL GROUPS, FAMILIES AND DISPARATE MEMBERS, CAN BEST BE MOBILIZED IN SERVICE TO THEIR OWN PERSONAL GOALS AND EMOTIONAL NEEDS. ATTENTION IS GIVEN TO UNDERSTANDING THE NATURE AND DEVELOPMENT OF COMMUNITY AGENCIES AND RESOURCES. TWO HOURS OF LECTURE AND FIVE HOURS OF LABORATORY.

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- H S 1411 DEVELOPMENTAL AND LEARNING DISABILITIES
INTRODUCTION TO THE LITERATURE, HISTORICAL DEVELOPMENT, CONTEMPORARY THEORIES, DEFINITIONS, CHARACTERISTICS AND PROBLEMS OF SPECIAL LEARNING DISABILITIES. CONSIDERATION IS GIVEN TO SPECIAL EDUCATIONAL PROBLEMS OF DEVELOPMENTAL DISABILITIES AND PRINCIPLES OF PROGRAMS AND METHODOLOGY DEVELOPMENT. THREE HOURS OF LECTURE AND EIGHT HOURS OF LABORATORY EACH WEEK.
- H S 2282 DIRECTED PRACTICUM: CHILDRENS' AGENCIES IN THE COMMUNITY
CONTINUING LABORATORY OBSERVATION OF CHILDREN UNDER CARE AT VARIOUS AGE LEVELS. SIX HOURS LABORATORY EACH WEEK.
- H S 2322 GROUP DYNAMICS - SMALL/LARGE GROUP PROCESS
A FOCUS OF THE COURSE WILL BE ON THE INDIVIDUAL AS A SMALL GROUP MEMBER, THAT SMALL GROUPS HAVE ON THE INDIVIDUAL AND THE INDIVIDUAL ON THE GROUP. METHODS IN SMALL GROUP COUNSELING AND INDIVIDUAL AND GROUP INTERVIEWING WILL BE EXAMINED. TAPE RECORDINGS OF GROUP SESSIONS (IN AND OUT OF CLASS) WILL BE REVIEWED AND ANALYZED TO IDENTIFY THE DYNAMICS THAT TRANSPIRE. ADDITIONALLY, THE INTERACTIONS BETWEEN MEMBERS OF DIFFERENT COMMUNITY GROUPS AS THEY MEET TO DISCUSS COMMON TO COMMUNITY INTERESTS WILL BE STUDIED. SPECIAL ATTENTION WILL BE GIVEN AND DEMONSTRATING THE APPLICATION OF GROUP DYNAMICS TO COMMUNITY PROBLEMS AND INTRA-GROUP AND INTERPERSONAL RELATIONS. OBSERVATION OF THE VARIOUS GROUP PROCESSES WILL BE REVIEWED AS THEY HAPPEN IN THE LAB AND IN THE COMMUNITY. RELEVANT RESEARCH LITERATURE, THEORY AND MODELS WILL BE SURVEYED. TWO HOURS LECTURE AND FIVE HOURS LABORATORY PER WEEK; 3 CREDITS.
- H S 2571 HUMAN SERVICES (INSTITUTION)
A SURVEY WILL BE MADE OF THE INSTITUTIONS USED BY SOCIETY IN THE TREATMENT AND REHABILITATION OF EMOTIONALLY AND BEHAVIORALLY DISTURBED PERSONS AND THE PHYSICALLY HANDICAPPED. TECHNIQUES USED BY THESE INSTITUTIONS WILL BE EXPLORED AND EXAMINED FOR THEIR IMMEDIATE EFFECTIVENESS AND THEIR LONG RANGE IMPACT ON THE INDIVIDUAL AND HIS FAMILY. ROLES AND FUNCTIONS OF THE HUMAN SERVICE TEAM IN AN INSTITUTIONAL CONTEXT ARE DISCUSSED AND DEMONSTRATED IN SIMULATED SITUATIONS. EFFICACY OF THE CLINICAL TECHNIQUES COMMON TO EACH OF THE HUMAN SERVICES PROFESSIONS ARE EXAMINED AS FUNCTIONS IN THE TYPICAL INSTITUTIONAL MILIEU. THE STUDENT WILL DEVELOP SKILLS IN UNDERSTANDING THE DYNAMIC NATURE OF MENTAL ILLNESS AND THE PROCESS OF THERAPEUTIC INTERACTIONS AND INTERVENTIONS. THREE HOURS LECTURE AND TEN HOURS LABORATORY EACH WEEK.
PREREQUISITE: H S 1351-INTRODUCTION TO THE HUMAN SERVICES AGENCIES AND PROGRAMS.
- H S 2572 HUMAN SERVICES (COMMUNITY)
A SURVEY WILL BE MADE OF COMMUNITY BASED HEALTH AND MENTAL HEALTH PROGRAMS CREATED TO TREAT, REHABILITATE AND ASSIST INDIVIDUALS WITH BEHAVIORAL, PERSONAL, INTERPERSONAL OR ANTI-SOCIAL DYSFUNCTIONS. COMMUNITY BASED SERVICE MODALITIES ARE CONTRASTED WITH INSTITUTIONAL PROGRAMS. STUDENTS WILL STUDY THE EMERGING FIELDS OF COMMUNITY MEDICINE AND COMMUNITY MENTAL HEALTH THROUGH PERSONAL OBSERVATION OF LOCAL PROGRAMS. THE COURSE WILL INCLUDE CLINICAL LABORATORY PARTICIPATION IN THE CARE OF INDIVIDUALS WITH BEHAVIORAL DISORDERS AND METHODS OF PREVENTION THROUGH COMMUNITY RESOURCES. THREE HOURS LECTURE AND TEN HOURS LABORATORY EACH WEEK.
PREREQUISITE: H S 2571-HUMAN SERVICES (INSTITUTION).
- H S 2581 CHILDREN, FAMILY AND COMMUNITY
THE PSYCHOSOCIAL AND PSYCHOBIOLOGICAL DEVELOPMENT OF CHILDREN THROUGH LATENCY, AND FROM LATENCY TO YOUNG ADULTHOOD. THE EFFECTS OF SOCIETY ON CHILD REARING PRACTICES AND LIFE STYLES OF FAMILIES. CONTINUING LABORATORY OBSERVATION OF CHILDREN UNDER CARE AT VARIOUS AGE LEVELS. THREE HOURS LECTURE AND TEN HOURS LABORATORY EACH WEEK; 5 CREDITS.
- H S 3222 DIRECTED PRACTICUM IN BEHAVIORAL ACTIVITIES OF ADULTHOOD

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THE CLINICAL EMPHASIS IS ON THE INCREASING PROBLEMS OF ADULT LIFE IN FAMILY ORGANIZATION, PHYSICAL, CULTURAL, OCCUPATIONAL AND SOCIAL CHANGES. THESE EFFECTS OF AGING AND GERIATRIC PROBLEMS ARE INCLUDED FOR THE PURPOSE OF ACQUIRING A USEFUL THEORETICAL AND PRACTICAL FRAME OF REFERENCE BASIC TO WORKING WITHIN THE VARIOUS HUMAN SERVICE PROGRAMS. SIX HOURS LABORATORY EACH WEEK.

H S 3231 DIRECTED PRACTICUM IN BEHAVIORAL ACTIVITIES OF CHILDHOOD AND

ADOLESCENCE
CLINICAL OVERVIEW OF CONTEMPORARY THEORIES AND PRACTICES RELATING TO THE ETIOLOGY OF NORMAL AND ABNORMAL BEHAVIOR IN CHILDREN. BEHAVIORAL CHARACTERISTICS AND NEEDS OF THE CHILD AND THE ADOLESCENT ARE EXPLORED WITH EMPHASIS ON PHYSICAL, SOCIAL AND CULTURAL ASPECTS OF GROWTH. FAMILY DYNAMICS AND THEIR INFLUENCE UPON THE CHILD AS A BASIS FOR THERAPEUTIC RELATIONSHIPS WITH CHILDREN AND FAMILIES ARE INCLUDED IN THIS CLINICAL APPLICATION. SIX HOURS LABORATORY EACH WEEK.

H S 3611 COMMUNITY MENTAL HEALTH-PROGRAM DEVELOPMENT

THE EMERGING CONCEPTS IN COMMUNITY MENTAL HEALTH, THE DEVELOPMENT OF COMMUNITY MENTAL HEALTH CENTER, PROGRAMS AND OTHER RESOURCES AND SERVICES AVAILABLE IN THE COMMUNITY WILL BE STUDIED. EXISTING MENTAL HEALTH PROGRAMS AND SERVICE DELIVERY MODELS WILL BE REVIEWED, EXAMINED AND EVALUATED. LOCAL, STATE AND FEDERAL MENTAL HEALTH SERVICES AND MANPOWER UTILIZATION IN HUMAN SERVICES WILL BE INVESTIGATED TO DETERMINE HOW THEY ATTAIN THEIR GOALS. PRACTICUM PLACEMENTS WILL BE IN A COMMUNITY FACILITY THAT WILL PROVIDE THE STUDENT AN EXPERIENCE IN A SELF-CONTAINED OPERATIONAL PROGRAM. TWO HOURS SEMINAR AND TWELVE HOURS PRACTICUM PLACEMENT EACH WEEK; 6 CREDITS.

H S 3612 COMMUNITY MENTAL HEALTH-PROGRAM OPERATIONS

VARIOUS PROGRAM APPROACHES THAT HAVE BEEN DEVELOPED TO MEET THE SOCIAL AND MENTAL HEALTH NEEDS OF THE COMMUNITY, E.G., CONSULTATION PROCESSES, MEDICAL MODELS, ETC., WILL BE STUDIED. THE DEVELOPMENT OF THE PROGRAMS'S OPERATION WILL BE REVIEWED AND THE PREVENTIVE OR SERVICE DELIVERY PROGRAMMING WILL BE EXAMINED FOR ITS EFFECTIVENESS IN MEETING THE RESIDENTS' NEEDS. TWO HOURS SEMINAR AND TWELVE HOURS PRACTICUM PLACEMENT EACH WEEK; 6 CREDITS.
PREREQUISITE: HS 3611-COMMUNITY MENTAL HEALTH-PROGRAM DEVELOPMENT.

H S 3791 DIRECTED PRACTICUM IN HUMAN SERVICES

CLINICAL/LABORATORY EXPERIENCE IN THE PREVENTION, TREATMENT AND EVALUATION OF BEHAVIORAL DISORDERS AND DEVELOPMENTAL DISABILITIES. ASSIGNMENTS WILL BE MADE IN HOSPITALS, CLINICS, SCHOOL PROGRAMS AND GENERAL COMMUNITY AGENCIES. INCLUDED WILL BE ASSIGNMENTS IN OCCUPATIONAL AND RECREATIONAL THERAPY AND SPEECH AND HEARING UNITS. THE STUDENT WILL TAKE AN ACTIVE ROLE IN PROVIDING PATIENT/CITIZEN CARE. TWO HOURS SEMINAR AND FIFTEEN HOURS LABORATORY EACH WEEK.
PREREQUISITE: APPROVAL BY PROGRAM COORDINATOR AND DIRECTOR, DIVISION OF HEALTH RELATED PROFESSIONS.

H S 4711 COMMUNITY PROCESSES FOR MENTAL HEALTH I

THIS COURSE WILL PROVIDE STUDENTS WITH THE FORUM WITHIN WHICH THEY CAN BEGIN TO ASSIMILATE THEIR THREE YEARS OF THEORY AND EXPERIENCE INTO AN OPERATIONAL FRAME OF REFERENCE REGARDING THE ROLE THAT COMMUNITY PROCESSES HAVE IN THE FIELD OF MENTAL HEALTH. EXISTING SOCIAL SITUATIONS AND INSTITUTIONS WILL BE STUDIED TO DETERMINE THE IMPACT THAT SPECIFIC PROBLEMS AND CONDITIONS HAVE UPON THE MENTAL HEALTH OF THOSE PEOPLE WHO LIVE IN DIFFERENT ADVERSE SITUATIONS. TWO HOURS SEMINAR AND FIFTEEN HOURS PRACTICUM PLACEMENT EACH WEEK; 7 CREDITS.
PREREQUISITE: HS 3611-COMMUNITY MENTAL HEALTH-PROGRAM OPERATIONS.

H S 4712 COMMUNITY PROCESSES FOR MENTAL HEALTH II

THIS COURSE IS A CONTINUATION OF HS 4711 WITH GREATER EMPHASIS BEING GIVEN TO DEMONSTRATING THE APPLICATION OF THOSE SKILLS AND TECHNIQUES LEARNED OVER THE PAST THREE AND ONE HALF YEARS. STUDIES WILL BE MADE OF THE IMPACT OF EXISTING MODELS OF COMMUNITY MENTAL HEALTH PROGRAMS UPON THE EMOTIONAL AND BEHAVIORAL PATTERNS OF A SPECIFIC TARGET

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POPULATION WHICH IS ATTEMPTING TO CHANGE IDENTIFIABLE SOCIAL AND ECONOMIC CONDITIONS. TWO HOURS SEMINAR AND FIFTEEN HOURS PRACTICUM PLACEMENT; 7 CREDITS.
PREREQUISITE: HS 4711-COMMUNITY PROCESSES FOR MENTAL HEALTH I.

H S 4721 COMMUNITY MENTAL HEALTH ADMINISTRATION I
THIS COURSE WILL EXPLORE THE THEORETICAL ASPECTS OF TRADITIONAL MENTAL HEALTH ADMINISTRATION WITH AN EMPHASIS UPON THE RELATIONSHIPS OF MANAGEMENT AND LABOR, AND HOW BOTH PLAY A ROLE IN INSTITUTING OPERATIONAL AND PROGRAMMATIC CHANGES. NEW CONCEPTS OF COMMUNITY MENTAL HEALTH AND NEW ADMINISTRATIVE MODELS WILL BE REVIEWED AND DISCUSSED IN RELATION TO THEIR PRACTICAL APPLICATION IN COMMUNITY SETTINGS. TWO HOURS SEMINAR AND FIFTEEN HOURS PRACTICUM PLACEMENT; 7 CREDITS.

H S 4722 COMMUNITY MENTAL HEALTH ADMINISTRATION II
CONTINUATION OF HS 4721 WITH AN IN-DEPTH LOOK AT INSTITUTION AND COMMUNITY MENTAL HEALTH ADMINISTRATIVE PRACTICES. THE FUNCTIONAL AND PROGRAMMATIC EFFECTIVENESS OF THE PRACTICES WITH REGARD TO THEIR LEVEL OF OPERATION AND THEIR SERVICE DELIVERY PROGRAM WILL BE ASSESSED. TWO HOURS SEMINAR AND FIFTEEN HOURS PRACTICUM PLACEMENT; 7 CREDITS.
PREREQUISITE: HS 4721-COMMUNITY MENTAL HEALTH ADMINISTRATION I.

H S 4731 CHILD CARE SPECIALIST (INSTITUTION)
AN IN-DEPTH ANALYSIS AND EVALUATION OF CHILD CARE AGENCIES AND PROGRAMS THAT ARE OPERATING IN SCHOOLS, DAY CARE CENTERS, EARLY CHILDHOOD DEVELOPMENT PROGRAMS AND ADOPTION AGENCIES WILL BE MADE TO ASCERTAIN THE METHODOLOGY USED FOR WORKING WITH CHILDREN WHO HAVE EMOTIONAL, PHYSICAL AND BEHAVIORAL PROBLEMS. STUDENTS WILL ACQUIRE SKILLS IN THE USE OF EMERGING TESTING AND COUNSELING TECHNIQUES BEING APPLIED TO ASSIST THE PROBLEM CHILD AND HIS FAMILY IN ADJUSTING TO STRESS SITUATIONS. TWO HOURS SEMINAR AND FIFTEEN HOURS PRACTICUM PLACEMENT EACH WEEK; 7 CREDITS.
PREREQUISITE: HS 2581-CHILD, FAMILY AND COMMUNITY.

H S 4732 CHILD CARE SPECIALIST (COMMUNITY)
THIS COURSE WILL BUILD UPON THE THEORETICAL AND PRACTICAL PROGRAM STUDIES THAT WERE INVESTIGATED IN HS 4731. STUDENTS ARE TO DEVELOP PROJECTS THAT REFLECT THEIR UNDERSTANDING AND KNOWLEDGE OF WHAT IS OR SHOULD BE ENTAILED IN WORKING WITH CHILDREN AND THEIR FAMILIES WHO HAVE PROBLEMS WITH ADJUSTING TO DIFFERENT LIFE SITUATIONS. TECHNIQUES AND SKILLS ACQUIRED OVER THE PAST THREE YEARS BY THE STUDENTS WILL BE REINFORCED THROUGH THEIR WORK WITH CHILDREN, THEIR FAMILIES AND OTHERS IN THE CHILD'S LEARNING AND LIVING ENVIRONMENT. EXISTING PUBLIC POLICY AFFECTING CHILD CARE PROGRAMMING WILL BE REVIEWED SO THAT THE STUDENTS CAN OBTAIN AN OPERATIONAL GRASP OF WHAT IS INVOLVED IN DEVELOPING CHILD CARE PROGRAMS. TWO HOURS SEMINAR AND FIFTEEN HOURS PRACTICUM PLACEMENT PER WEEK; 7 CREDITS.

HIST 1333 CIVILIZATION THROUGH THE CENTURIES.
A THOROUGH SURVEY OF THE POLITICAL, SOCIAL AND CULTURAL HISTORY OF EUROPE THROUGH THE TREATY OF UTRECHT. EMPHASIS WILL BE GIVEN TO THE CONTRIBUTIONS OF GREECE AND ROME TO THE WESTERN WORLD, THE FALL OF ROME, THE BEGINNING OF FEUDALISM AND THE RISE OF NATIONAL STATES, THE RENAISSANCE AND THE PROTESTANT REFORMATION.

HIST 1334 CIVILIZATION THROUGH THE CENTURIES
A CONTINUATION OF HISTORY 1333 TO THE PRESENT TIME. EMPHASIS WILL BE GIVEN TO EUROPEAN EXPANSION, THE FRENCH REVOLUTION, AND NAPOLEON, THE INDUSTRIAL REVOLUTION, THE SPREAD OF SOCIALISM, AND THE WORLD CONFLICTS OF THE TWENTIETH CENTURY.

HIST 2313 AMERICAN HERITAGE.
AN INTEGRATION OF SOCIAL, POLITICAL AND ECONOMIC HISTORY OF THE UNITED STATES WITH ATTENTION DIRECTED TO GEOGRAPHY AND ITS INFLUENCES. THE APPROACH IS BY PROBLEMS WHICH MOVE CHRONOLOGICALLY FROM THE EARLIEST COLONIAL PERIOD THROUGH THE CIVIL WAR. OPEN TO FRESHMEN WHO HAVE COMPLETED HIST. 2333 OR WHO ENTER WITH A CREDIT IN AMERICAN HISTORY

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FROM HIGH SCHOOL.

- HIST 2314 AMERICAN HERITAGE.
AN INTEGRATION OF SOCIAL, ECONOMIC AND POLITICAL HISTORY OF THE UNITED STATES WITH ATTENTION TO THE GEOGRAPHICAL INFLUENCES. THE APPROACH IS BY PROBLEMS WHICH MOVE CHRONOLOGICALLY FROM RECONSTRUCTION TO THE PRESENT. OPEN TO FRESHMEN WHO HAVE COMPLETED HIST. 2333 OR WHO ENTER WITH A CREDIT IN AMERICAN HISTORY FROM HIGH SCHOOL.
- HIST 2333 A GENERAL SURVEY OF THE HISTORY OF TEXAS.
A SURVEY OF THE HISTORY OF TEXAS FROM THE PERIOD OF SPANISH OWNERSHIP TO THE PRESENT. OPEN TO FRESHMEN. MAY BE SUBSTITUTED FOR HIST. 2313 TO MEET STATE REQUIREMENT FOR STUDENTS EXPECTING TO GRADUATE FROM PAN AMERICAN UNIVERSITY.
- HIST 2343 COOPERATIVE EDUCATION AND HISTORY
A PLANNED PROGRAM OF WORK IN AREAS RELATED TO HISTORICAL STUDIES OR INVESTIGATION WHERE THE STUDENT IS UNDER ACADEMIC SUPERVISION, COMPLETES A WRITTEN ASSIGNMENT TO BE EVALUATED BY THE SUPERVISING PROFESSOR, AND UNDERGOES AN ORAL EXAMINATION TO BE ADMINISTERED BY THE MAJOR DEPARTMENT. CREDIT APPLIES ONLY AS AN ELECTIVE.
- HIST 2344 COOPERATIVE EDUCATION AND HISTORY II
A CONTINUATION OF HISTORY 2343. A PLANNED PROGRAM OF WORK IN AREAS RELATED TO HISTORICAL STUDIES OR INVESTIGATION WHERE THE STUDENT IS UNDER ACADEMIC SUPERVISION, COMPLETES A WRITTEN ASSIGNMENT TO BE EVALUATED BY THE SUPERVISING PROFESSOR, AND UNDERGOES AN ORAL EXAMINATION TO BE ADMINISTERED BY THE MAJOR DEPARTMENT. CREDIT APPLIES ONLY AS AN ELECTIVE.
PREREQUISITE: HIST. 2343.
- HIST 2387 AMERICAN HERITAGE. (HONORS PLAN)
AN INTEGRATION OF SOCIAL, POLITICAL AND ECONOMIC HISTORY OF THE UNITED STATES WITH ATTENTION DIRECTED TO GEOGRAPHY AND ITS INFLUENCES. THE APPROACH IS BY PROBLEMS WHICH MOVE CHRONOLOGICALLY FROM THE EARLIEST COLONIAL PERIOD THROUGH THE CIVIL WAR.
PREREQUISITE: ADMISSION TO HONORS STUDIES OR BY INVITATION.
- HIST 2388 AMERICAN HERITAGE. (HONORS PLAN)
AN INTEGRATION OF SOCIAL, ECONOMIC AND POLITICAL HISTORY OF THE UNITED STATES WITH ATTENTION TO THE GEOGRAPHICAL INFLUENCES. THE APPROACH IS BY PROBLEMS WHICH MOVE CHRONOLOGICALLY FROM RECONSTRUCTION TO THE PRESENT.
PREREQUISITE: ADMISSION TO HONORS STUDIES OR BY INVITATION.
- HIST 3313 EARLY AMERICAN HISTORY, THE COLONIAL PERIOD, 1607-1763
A STUDY OF AMERICAN COLONIAL HISTORY FROM THE FOUNDING OF THE FIRST COLONIES THROUGH THE FRENCH AND INDIAN WAR WITH EMPHASIS GIVEN TO THE DEVELOPMENT OF AMERICAN CIVILIZATION WITHIN THE BRITISH EMPIRE.
PREREQUISITE: SIX SEMESTER HOURS OF HISTORY.
- HIST 3324 THE FORMATIVE PERIOD OF THE AMERICAN NATION, 1763-1820.
A STUDY OF THE EARLY YEARS OF THE AMERICAN NATION FROM 1763 THROUGH THE REVOLUTION, THE ADOPTION OF THE CONSTITUTION, AND THE CONDUCT OF GOVERNMENT BY THE FEDERALIST AND JEFFERSONIAN REPUBLICAN PARTIES.
PREREQUISITE: SIX SEMESTER HOURS OF HISTORY.
- HIST 3333 MEXICO, CENTRAL AND SOUTH AMERICA, COLONIAL ERA.
A STUDY OF THE ESTABLISHMENT OF SPANISH DOMINION; GEOGRAPHY AND NATURAL RESOURCES; INSTITUTIONAL AND SOCIAL DEVELOPMENT; CULTURAL ASPECTS AND CONTRIBUTIONS.
PREREQUISITE: SIX SEMESTER HOURS OF HISTORY.
- HIST 3341 HISTORY OF ENGLAND
ENGLISH HISTORY FROM EARLIEST TIMES THROUGH THE PERIOD OF THE

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STUART KINGS. EMPHASIS WILL BE GIVEN TO THE FACTORS WHICH HAVE INFLUENCED THE DEVELOPMENT OF BRITISH AND AMERICAN INSTITUTIONS.
PREREQUISITE: SIX SEMESTER HOURS OF HISTORY.

HIST 3342 HISTORY OF ENGLAND.
THE PERIOD OF THE GLORIOUS REVOLUTION TO THE BRITISH EMPIRE AND COMMON-WEALTH OF NATIONS.
PREREQUISITE: SIX SEMESTER HOURS OF HISTORY.

HIST 3370 COOPERATIVE EDUCATION AND HISTORY III
A THIRD SEMESTER OF A PLANNED PROGRAM OF WORK IN AREAS RELATED TO HISTORICAL STUDIES OR INVESTIGATION WHERE THE STUDENT IS UNDER ACADEMIC SUPERVISION, COMPLETES A WRITTEN ASSIGNMENT TO BE EVALUATED BY THE SUPERVISING PROFESSOR, AND UNDERGOES AN ORAL EXAMINATION TO BE ADMINISTERED BY THE MAJOR DEPARTMENT. CREDIT APPLIES ONLY AS AN ELECTIVE.
PREREQUISITE: HIST. 2343, 2344.

HIST 3373 MEXICAN-AMERICAN HERITAGE
AN INTERPRETATION OF THE HISTORICAL HERITAGE OF THE MEXICAN-AMERICAN IN THE UNITED STATES.
PREREQUISITE: SIX SEMESTER HOURS OF HISTORY.

HIST 4303 THE EMERGENCE OF MODERN AMERICA, 1877-1917.
A STUDY OF THE GROWTH OF AMERICAN BUSINESS AND INDUSTRY, THE EMERGENCE OF THE UNITED STATES AS A WORLD POWER, THE POPULIST PROTEST AND PROGRESSIVE REFORM MOVEMENTS.
PREREQUISITE: SIX SEMESTER HOURS OF HISTORY.

HIST 4313 TWENTIETH CENTURY AMERICA, 1917 TO THE PRESENT.
A STUDY OF THE HISTORY OF THE UNITED STATES FROM WORLD WAR I TO THE PRESENT WITH EMPHASIS ON DOMESTIC AND FOREIGN AFFAIRS IN THEIR RELATIONSHIP TO AND EFFECT ON EACH OTHER.
PREREQUISITE: SIX SEMESTER HOURS OF HISTORY.

HIST 4322 THE SPANISH SOUTHWEST THROUGH 1821.
A STUDY OF THE NORTHWARD COLONIZATION OF MEXICO WITH EMPHASIS ON INSTITUTIONS AND THE SETTLEMENT OF THE INTERIOR PROVINCES OF TEXAS, NEW MEXICO, ARIZONA, AND CALIFORNIA.
PREREQUISITE: SIX SEMESTER HOURS OF HISTORY (WAS HIST. 3322, MAY NOT BE REPEATED FOR CREDIT).

HIST 4325 THE AMERICAN SOUTHWEST SINCE 1821.
THE AMERICAN PENETRATION OF TEXAS AND THE MEXICAN WAR, SUBJUGATION OF THE INDIANS, EXTENSION OF MINING, RAILROADS, CATTLE INDUSTRY, AND FARMING ACROSS THE SOUTHWEST, AND THE TRANSITION FROM RAW FRONTIER TO MODERN STATES OF THE SOUTHWEST.
PREREQUISITE: SIX SEMESTER HOURS OF HISTORY (WAS HIST. 3325, MAY NOT BE REPEATED FOR CREDIT).

HIST 4337 AMERICAN INTELLECTUAL HISTORY FROM THE COLONIAL ERA TO MID-

NINETEENTH CENTURY.
A STUDY OF IDEAS IN COLONIAL AND EARLY NATIONAL AMERICA WITH EMPHASIS OF HOW THINKERS HAVE UNDERSTOOD AND ARTICULATED THE AMERICAN RELIGIOUS, POLITICAL-ECONOMIC-SOCIAL AND LEGAL EXPERIENCE, AND ON THE FORMATIVE ROLE OF THE CONCEPT OF NATIONAL CHARACTER.
PREREQUISITE: HIST. 2313, 2314.

HIST 4338 AMERICAN INTELLECTUAL HISTORY SINCE MID-NINETEENTH CENTURY.
A STUDY OF THE IDEAS IN AMERICA SINCE MID-NINETEENTH CENTURY WITH ATTENTION TO THE IDEOLOGIES OF CAPITALISM AND SOCIALISM, THE IMPACT OF SCIENCE, AND THE ROLE OF LAW IN AMERICAN THINKING.
PREREQUISITE: HIST. 2313, 2314.

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- HIST 4343 THE ERA OF SECTIONAL CONFLICT.
UNITED STATES HISTORY FROM 1820 TO 1877 WITH EMPHASIS UPON THE DEVELOPMENT OF SECTIONALISM, SOUTHERN NATIONALISM, THE BREAKDOWN OF AMERICAN POLITICAL PARTIES, CIVIL WAR, AND RECONSTRUCTION.
PREREQUISITE: SIX SEMESTER HOURS OF HISTORY.
- HIST 4345 MEXICO'S FIRST CENTURY AS AN INDEPENDENT REPUBLIC.
A STUDY OF THE POLITICAL, SOCIAL AND ECONOMIC DEVELOPMENT OF MEXICO FROM THE INDEPENDENCE MOVEMENT THROUGH THE REVOLUTIONARY MOVEMENT OF 1910--1917. A STUDY OF THE PROBLEMS OF MEXICO AND THE VARIOUS DISTINCT ERAS OF ITS FIRST CENTURY AS A REPUBLIC.
PREREQUISITE: SIX SEMESTER HOURS OF HISTORY (WAS HIST. 3343, MAY NOT BE REPEATED FOR CREDIT).
- HIST 4352 BRAZIL AS AN INDEPENDENT NATION.
A STUDY OF BRAZIL AS AN EMPIRE AND A REPUBLIC WITH EMPHASIS ON THE SOCIAL, GEOGRAPHICAL AND POLITICAL FACTORS THAT MAKE IT A UNIQUE NATION IN THE WESTERN HEMISPHERE.
- HIST 4353 HISTORY OF MEXICAN CULTURE.
A STUDY OF THE MEXICAN PEOPLE, INCLUDING DEVELOPMENT OF THEIR SOCIAL INSTITUTIONS, THINKING, CONCEPTS, ATTITUDES, VALUES, REACTIONS, AND SENSITIVITIES.
PREREQUISITE: SIX SEMESTER HOURS OF HISTORY.
- HIST 4354 CONTEMPORARY MEXICO.
A STUDY OF THE NATURE AND IMPACT OF THE SOCIAL, POLITICAL AND ECONOMIC TRANSFORMATIONS SINCE THE REVOLUTIONARY EPOCH OF 1910--1917; GREATEST EMPHASIS ON THE CONTEMPORARY FACTORS THAT HAVE MADE MEXICO'S EXPERIENCE UNIQUE.
PREREQUISITE: SIX SEMESTER OF HISTORY.
- HIST 4355 HISPANIC SOUTH AMERICA SINCE INDEPENDENCE.
THE HISTORICAL DEVELOPMENT OF THE MAJOR HISPANIC SOUTH AMERICAN REPUBLICS; GENERAL TRENDS IN THEIR SOCIAL, ECONOMIC AND POLITICAL GROWTH.
PREREQUISITE: SIX SEMESTER HOURS OF HISTORY. HISTORY 3333 IS RECOMMENDED TO PRECEDE THIS COURSE (WAS HIST. 3353, MAY NOT BE REPEATED FOR CREDIT).
PREREQUISITE: SIX SEMESTER HOURS OF HISTORY.
- HIST 4370 THE RENAISSANCE AND THE REFORMATION, 1300 TO 1650.
A STUDY OF THE POLITICAL, SOCIAL AND CULTURAL DEVELOPMENTS OF WESTERN EUROPE FROM THE DECLINE OF THE MEDIEVAL SYSTEM, THROUGH THE AGE OF THE NEW MONARCHIES, WITH EMPHASIS ON FRANCE, GERMANY AND ITALY.
PREREQUISITE: SIX SEMESTER HOURS OF HISTORY WITH HIST 1333 RECOMMENDED.
- HIST 4371 RUSSIA FROM ITS REVOLUTIONARY ERA TO THE PRESENT.
RUSSIA FROM THE PRECURSORS OF REVOLUTION THROUGH THE REVOLUTIONS OF 1905, 1917 AND THE DEVELOPMENT OF THE SOVIET REGIME TO CURRENT TRENDS.
PREREQUISITE: SIX SEMESTER HOURS OF HISTORY WITH HIST 1334 RECOMMENDED. (WAS HIST 3371, CREDIT CANNOT BE RECEIVED IF HIST 3371, OR HIST/GOVT 3372 HAVE PREVIOUSLY BEEN COMPLETED).
- HIST 4374 CENTRAL AMERICA AND THE CARIBBEAN ISLAND NATIONS SINCE 1800.
A STUDY OF THE NINETEENTH-CENTURY EFFORTS OF THESE NATIONS TO EMERGE AS SEPARATE ENTITIES AND AN EVALUATION OF THEIR TWENTIETH-CENTURY EXPERIENCES.
PREREQUISITE: SIX SEMESTER HOURS OF HISTORY WITH HIST. 3333 RECOMMENDED.
HIST. 3333.
- HIST 4375 EUROPE IN THE AGE OF ABSOLUTISM AND THE ENLIGHTENMENT, 1650-

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1789.
TRACES THE DEVELOPMENT OF THE ABSOLUTIST STATE, BENEVOLENT DESPOTISM, AND THE INTELLECTUAL AND SCIENTIFIC TRENDS OF THE ENLIGHTENMENT.
PREREQUISITE: SIX SEMESTER HOURS OF HISTORY WITH HIST. 1334 RECOMMENDED.
(WAS HIST. 3375, MAY NOT BE REPEATED FOR CREDIT).

HIST 4376 REVOLUTIONARY EUROPE, 1789-1850.
A STUDY OF EUROPE OF THIS PERIOD WITH EMPHASIS ON THE GROWTH OF DEMOCRATIC INSTITUTIONS FROM THE BEGINNING OF THE FRENCH REVOLUTION THROUGH THE REVOLUTION OF 1848.
PREREQUISITE: SIX SEMESTER HOURS OF HISTORY, WITH HIST 1334 RECOMMENDED
(WAS HIST. 3374, MAY NOT BE REPEATED FOR CREDIT).

HIST 4383 EUROPE FROM 1850 TO 1919.
A STUDY OF EUROPEAN HISTORY THROUGH THE PERIOD OF GROWING NATIONALISM AND IMPERIALISM LEADING TO WORLD WAR I.
PREREQUISITE: SIX SEMESTER HOURS OF HISTORY WITH HIST 1334 RECOMMENDED.
(WAS HIST. 3383, MAY NOT BE REPEATED FOR CREDIT).

HIST 4393 EUROPE FROM 1919 TO PRESENT.
A STUDY OF THE CAUSES OF WORLD WAR II, ITS RESULTING PROBLEMS, AND CURRENT TRENDS.
PREREQUISITE: SIX SEMESTER HOURS OF HISTORY WITH HIST. 1334 RECOMMENDED. (WAS HIST. 3393, MAY NOT BE REPEATED FOR CREDIT).

HIST 5303 THE EMERGENCE OF MODERN AMERICA, 1877-1917
A STUDY OF THE GROWTH OF AMERICAN BUSINESS AND INDUSTRY, THE EMERGENCE OF THE UNITED STATES AS A WORLD POWER, AND THE POPULIST AND PROGRESSIVE REFORM MOVEMENTS.

HIST 5313 TWENTIETH CENTURY AMERICA, 1917 TO THE PRESENT
A STUDY OF THE HISTORY OF THE UNITED STATES FROM WORLD WAR I TO THE PRESENT WITH SPECIAL ATTENTION GIVEN TO DOMESTIC AND FOREIGN AFFAIRS IN THEIR RELATIONSHIP TO AND EFFECT ON EACH OTHER.

HIST 5322 THE SPANISH SOUTHWEST THROUGH 1821
A STUDY OF THE NORTHWARD COLONIZATION OF MEXICO WITH EMPHASIS ON INSTITUTIONS AND THE SETTLEMENT OF THE INTERIOR PROVINCES OF TEXAS, NEW MEXICO, ARIZONA AND CALIFORNIA.

HIST 5325 THE AMERICAN SOUTHWEST SINCE 1821
THE AMERICAN PENETRATION OF TEXAS AND THE MEXICAN WAR; SUBJUGATION OF THE INDIANS; EXTENSION OF MINING, RAILROADS, CATTLE INDUSTRY AND FARMING ACROSS THE SOUTHWEST; AND THE TRANSITION FROM RAW FRONTIER TO MODERN SOUTHWESTERN STATES.

HIST 5337 AMERICAN INTELLECTUAL HISTORY FROM THE COLONIAL ERA TO

MID-NINETEENTH CENTURY
A STUDY OF IDEAS IN COLONIAL AND EARLY NATIONAL AMERICA WITH EMPHASIS ON HOW THINKERS HAVE UNDERSTOOD AND ARTICULATED THE AMERICAN RELIGIOUS, POLITICAL, ECONOMIC-SOCIAL AND LEGAL EXPERIENCE, AND ON THE FORMATIVE ROLE OF THE CONCEPT OF NATIONAL CHARACTER.

HIST 5338 AMERICAN INTELLECTUAL HISTORY SINCE MID-NINETEENTH CENTURY
A STUDY OF THE IDEAS IN AMERICA SINCE MID-NINETEENTH CENTURY WITH ATTENTION TO THE IDEOLOGIES OF CAPITALISM AND SOCIALISM, THE IMPACT OF SCIENCE, AND THE ROLE OF LAW IN AMERICAN THINKING.

HIST 5343 THE ERA OF SECTIONAL CONFLICT, 1820-1877
UNITED STATES HISTORY FROM 1820 TO 1877 WITH EMPHASIS UPON THE DEVELOPMENT OF SECTIONALISM, SOUTHERN NATIONALISM, THE BREAKDOWN OF AMERICAN POLITICAL PARTIES, CIVIL WAR, AND RECONSTRUCTION.

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- HIST 5345 MEXICO'S FIRST CENTURY AS AN INDEPENDENT REPUBLIC.
A STUDY OF THE POLITICAL, SOCIAL AND ECONOMIC DEVELOPMENT OF MEXICO FROM THE INDEPENDENCE MOVEMENT THROUGH THE REVOLUTIONARY MOVEMENT OF 1910--1917. A STUDY OF THE PROBLEMS OF MEXICO AND THE VARIOUS DISTINCT ERAS OF ITS FIRST CENTURY AS A REPUBLIC.
- HIST 5352 BRAZIL AS AN INDEPENDENT NATION
A STUDY OF BRAZIL AS AN EMPIRE AND A REPUBLIC WITH EMPHASIS ON THE SOCIAL, GEOGRAPHICAL AND POLITICAL FACTORS THAT MAKE IT A UNIQUE NATION IN THE WESTERN HEMISPHERE.
- HIST 5353 HISTORY OF MEXICAN CULTURE
A STUDY OF THE MEXICAN PEOPLE, INCLUDING DEVELOPMENT OF THEIR SOCIAL INSTITUTIONS, THINKING, CONCEPTS, ATTITUDES, VALUES, REACTIONS, AND SENSITIVITIES.
- HIST 5354 CONTEMPORARY MEXICO
A STUDY OF THE NATURE AND IMPACT OF THE SOCIAL, POLITICAL AND ECONOMIC TRANSFORMATIONS SINCE THE REVOLUTIONARY EPOCH OF 1910--1917; GREATEST EMPHASIS ON THE CONTEMPORARY FACTORS THAT HAVE MADE MEXICO'S EXPERIENCE UNIQUE.
- HIST 5355 HISPANIC SOUTH AMERICA SINCE INDEPENDENCE
THE HISTORICAL DEVELOPMENT OF THE MAJOR HISPANIC SOUTH AMERICAN REPUBLICS; GENERAL TRENDS IN THEIR SOCIAL, ECONOMIC AND POLITICAL GROWTH.
- HIST 5363 HISTORY OF THE UNITED STATES-LATIN AMERICAN RELATIONS
THE DEVELOPMENT OF A DISTINCTIVE SYSTEM OF INTERNATIONAL RELATIONS- ECONOMIC, CULTURAL, AND POLITICAL - BETWEEN THE NATIONS OF LATIN AMERICA AND THE UNITED STATES.
- HIST 5370 THE RENAISSANCE AND THE REFORMATION, 1300 TO 1650
A STUDY OF THE POLITICAL, SOCIAL, AND CULTURAL DEVELOPMENTS OF WESTERN EUROPE FROM THE DECLINE OF THE MEDIEVAL SYSTEM, THROUGH THE AGE OF THE NEW MONARCHIES TO THE RISE OF THE ABSOLUTE MONARCHIES, WITH EMPHASIS ON FRANCE, GERMANY AND ITALY.
- HIST 5371 RUSSIA FROM ITS REVOLUTIONARY ERA TO THE PRESENT
RUSSIA FROM THE PRECURSORS OF REVOLUTION THROUGH THE REVOLUTIONS OF 1905 AND 1907, AND THE DEVELOPMENT OF THE SOVIET REGIME TO CURRENT TRENDS.
- HIST 5375 EUROPE IN THE AGE OF ABSOLUTISM AND THE ENLIGHTENMENT, 1650-
1789
TRACES THE DEVELOPMENT OF THE ABSOLUTIST STATE, BENEVOLENT DESPOTISM, AND THE INTELLECTUAL AND SCIENTIFIC TRENDS OF THE ENLIGHTENMENT.
- HIST 5376 REVOLUTIONARY EUROPE, 1789-1850
A STUDY OF EUROPE OF THIS PERIOD WITH EMPHASIS ON THE GROWTH OF DEMOCRATIC INSTITUTIONS FROM THE BEGINNING OF THE FRENCH REVOLUTION THROUGH THE REVOLUTION OF 1848.
- HIST 5383 EUROPE FROM 1850 TO 1919
A STUDY OF EUROPEAN HISTORY THROUGH THE PERIOD OF GROWING NATIONALISM AND IMPERIALISM LEADING TO WORLD WAR I.
- HIST 5393 EUROPE FROM 1919 TO PRESENT
A STUDY OF THE CAUSES OF WORLD WAR II, ITS RESULTING PROBLEMS, AND CURRENT TRENDS.

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- HIST 6300 HISTORIOGRAPHY AND HISTORICAL METHOD
A DESCRIPTION OF THE CHIEF SOURCE MATERIALS OF HISTORY AND BIBLIOGRAPHY; METHODS OF THE AIDS IN HISTORICAL RESEARCH; AND EXPLANATIONS OF GENERALLY ACCEPTED USAGES IN HISTORICAL COMPOSITION. (THIS COURSE IS REQUIRED OF ALL GRADUATE STUDENTS MAJORING AND MINORING IN HISTORY AND SHOULD BE TAKEN AT THE START OF THE GRADUATE'S PROGRAM.)
- HIST 6301 SEMINAR AND PROBLEMS STUDY IN ERAS IN AMERICAN HISTORY TO
¹⁸⁶⁰
A SURVEY AND CRITIQUE OF THE BIBLIOGRAPHY AND PROBLEMS OF VARIOUS ERAS IN AMERICAN HISTORY BEFORE THE CIVIL WAR.
- HIST 6303 SEMINAR AND PROBLEMS STUDY IN ERAS IN AMERICAN HISTORY SINCE
¹⁸⁶⁰
A SURVEY AND CRITIQUE OF THE BIBLIOGRAPHY AND PROBLEMS OF VARIOUS ERAS IN AMERICAN HISTORY SINCE 1860.
- HIST 6306 STUDIES IN TEXAS AND SOUTHWESTERN HISTORY
AN INTENSIVE INVESTIGATION OF SELECTED PROBLEMS IN SOUTHWESTERN HISTORY WITH EMPHASIS ON TEXAS.
- HIST 6307 SEMINAR AND PROBLEMS STUDY IN THE HISTORY OF SOUTH AMERICA
AN INVESTIGATION AND CRITIQUE OF THE PROBLEMS AND CONTRIBUTIONS MADE BY THE VARIOUS SOUTH AMERICAN COUNTRIES IN THE 19TH AND 20TH CENTURIES AND THEIR ROLES IN INTER-AMERICAN RELATIONS.
- HIST 6309 SEMINAR AND PROBLEMS STUDY IN THE HISTORY OF MIDDLE AMERICA
AN INVESTIGATION AND CRITIQUE OF THE PROBLEMS AND CONTRIBUTIONS MADE BY MEXICO, THE CENTRAL AMERICAN, AND CARIBBEAN ISLAND NATIONS IN THE 19TH AND 20TH CENTURIES AND THEIR ROLES IN INTER-AMERICAN RELATIONS.
- HIST 6310 HISTORY OF INTER-LATIN AMERICAN RELATIONS
STUDY AND RESEARCH OF MAJOR EVENTS AND THEIR SIGNIFICANCE IN THE RELATIONS BETWEEN THE NATIONS OF CENTRAL AMERICA, SOUTH AMERICA, AND THE CARIBBEAN.
- HIST 6311 SEMINAR AND PROBLEMS IN MODERN EUROPEAN HISTORY
A SURVEY AND CRITIQUE OF THE BIBLIOGRAPHY ASSOCIATED WITH INVESTIGATIONS OF SELECTED ERA STUDIES AND PROBLEMS EXPERIENCED BY MODERN EUROPE.
- HIST 6316 STUDIES IN MEXICAN AND AMERICAN HERITAGES
AN INTENSIVE INVESTIGATION OF SELECTED HISTORICAL PROBLEMS IN THE MEXICAN-AMERICAN AND ANGLO-AMERICAN CULTURAL HERITAGES AND THE FUSION AND CLASH OF THESE CULTURES.
- HIST 6380 THE GOLDEN AGE OF SPAIN AND PORTUGAL, 1300 TO 1700
A STUDY OF THE POLITICAL, SOCIAL, AND CULTURAL DEVELOPMENTS OF SPAIN AND PORTUGAL FROM THE ERA OF THE MOORS TO THE END OF THE HAPSBURG DYNASTY, INCLUDING COLONIAL EXPANSION INTO NORTH AFRICA.
- HIST 7300 THESIS
RESEARCH AND WRITING OF THE THESIS
- HIST 7301 THESIS

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RESEARCH AND WRITING OF THE THESIS.

- HONR 2387 WESTERN CIVILIZATION
TAKING A HISTORICAL STANCE, THIS COURSE EXAMINES THE MAJOR POLITICAL, SOCIAL, RELIGIOUS AND SCIENTIFIC EVENTS FROM THE ANCIENT GREEKS THROUGH THE REFORMATION.
- HONR 2388 WESTERN CIVILIZATION
THIS COURSE IS A CONTINUATION OF HONORS SEMINAR 2387, EXAMINING THE MAJOR POLITICAL, SOCIAL, RELIGIOUS AND SCIENTIFIC EVENTS FROM THE REFORMATION TO THE PRESENT.
- HONR 3187 PROBLEMS IN INDEPENDENT STUDY
THIS COURSE IS AN INTERDISCIPLINARY APPROACH TO BASIC PROBLEMS ENCOUNTERED IN INDEPENDENT STUDY. IT FURTHER AIDS THE STUDENT IN CHOOSING A TOPIC FOR INDEPENDENT STUDY AND IN SETTING UP OBJECTIVES FOR THE STUDY.
- HONR 3387 INDEPENDENT STUDY.
SUPERVISED INDEPENDENT STUDY AT THE JUNIOR LEVEL IN THE STUDENT'S MAJOR OR RELATED FIELD, WITH PERIODIC CLASS MEETINGS FOR COORDINATION, INSTRUCTION IN METHODOLOGY AND DISCUSSION.
- HONR 4387 INDEPENDENT STUDY.
SUPERVISED INDEPENDENT STUDY AT THE SENIOR LEVEL IN THE STUDENT'S MAJOR OR RELATED FIELD, WITH PERIODIC CLASS MEETINGS FOR COORDINATION, INSTRUCTION IN METHODOLOGY AND DISCUSSION.
- HRP 1201 CLERKSHIPS, HEALTH RELATED PROFESSIONS.
THESE CLERKSHIPS INTRODUCE THE STUDENT TO UNIQUE THEORIES, CONCEPTS AND PRACTICES OF SELECTED HEALTH PROFESSIONS AND UNDER PROFESSIONAL GUIDANCE, THE EXECUTION OF ASSIGNED TECHNICAL TASKS OF ENTRY-LEVEL CALIBER AND CORRELATED WITH THE CONTENT AREAS PRESENTED IN HRP 1301. SIX HOURS LABORATORY. MUST BE CONCURRENTLY ENROLLED IN HRP 1301.
- HRP 1301 INTRODUCTION TO HEALTH RELATED PROFESSIONS.
A SURVEY OF CAREERS WITHIN THE HEALTH SERVICE INDUSTRY, THEIR EDUCATIONAL AND CLINICAL PRACTICE REQUIREMENTS AND EMPLOYMENT OPPORTUNITIES, CORRELATED HEALTH SERVICES ORGANIZATION, HISTORY AND TRENDS, TERMINOLOGY, ETHICS, LEGAL ASPECTS, PROFESSIONAL AFFILIATIONS, TEAM ROLES AND RELATIONSHIPS. THREE HOURS LECTURE. NO PREREQUISITE. MUST BE CONCURRENTLY ENROLLED IN HRP 1201.
- HRP 1402 INTRODUCTION TO HEALTH RELATED PROFESSIONS.
THIS COURSE IS A CONTINUATION OF HRP 1301 AND WILL EMPHASIZE THE PHYSICAL ASPECTS OF DISEASE AND ILLNESS AND THE EFFECTS UPON THE INDIVIDUAL WITH SPECIAL EMPHASIS BEING GIVEN OTHER MEDICAL RESOLUTION OF THESE PROBLEMS. THIS COURSE WILL RUN FOR SIXTEEN WEEKS WITH CLASSROOM INSTRUCTION THREE HOURS PER WEEK AND SEMINAR THREE HOURS PER WEEK. LECTURE/DISCUSSIONS WILL BE DESIGNED TO PROVIDE THE STUDENT WITH SPECIFIC INFORMATION CONCERNING THE HEALTH RELATED PROFESSIONS. THIS WILL INCLUDE PARTICIPATION IN THE STUDY OF GROUP DYNAMICS, TRANSACTIONAL THEORY GROUPS, TECHNIQUES OF ROLE PLAYING, PSYCHODRAMA AND COMMUNICATION SKILLS - VERBAL AND NONVERBAL.
- HRP 3301 INTRODUCTION TO SOCIAL AND LEGAL ASPECTS OF ALCOHOLISM.
INTRODUCTION TO TRADITIONAL AND CONTEMPORARY BICULTURAL ASPECTS OF ALCOHOLISM AND ALCOHOL ABUSE AS RELATED TO FAMILY AND SOCIAL DYSFUNCTION. IDENTIFICATION OF ALCOHOL ABUSE CHARACTERISTICS WHICH RELATE SOCIAL DETERIORATION TO LAW ENFORCEMENT AND JUDICIAL SYSTEMS. 3 HOURS LECTURE.
- HRP 3302 INTRODUCTION TO TREATMENT AND CONTROL OF ALCOHOLISM.
A SURVEY OF MEDICAL AND PSYCHOLOGICAL TREATMENT MODALITIES USED WITH ALCOHOLIC INDIVIDUALS. PROCEDURES FOR IDENTIFICATION, REFERRALS AND

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FOLLOW-UP ARE INCORPORATED IN CONTEXT OF TOTAL ALCOHOLISM TREATMENT PROCESS. 3 HOURS LECTURE.

- HRP 4313 IMMUNOHEMATOLOGY I.
THEORETICAL ASPECTS OF THE IMMUNE RESPONSE, ITS RELATION TO THE DIAGNOSIS OF DISEASE AND TO BLOOD BANKING ARE PRESENTED. DETECTION, IDENTIFICATION AND CHARACTERIZATION OF ANTIBODIES, BLOOD GROUPING AND TYPING AND COMPATIBILITY TESTING ARE PRESENTED BY LABORATORY EXPERIMENTS.
- HRP 4410 HEMATOLOGY.
STUDIES ON THE FORMATION, FUNCTION AND IDENTIFYING CHARACTERISTICS OF THE CELLULAR ELEMENTS OF BLOOD IN HEALTH. LECTURE AND LABORATORY EMPHASIZE THE ENUMERATION, MORPHOLOGY AND STAINING CHARACTERISTICS OF NORMAL BLOOD CELLS, BLOOD COAGULATION PHYSIOLOGY AND METHODS OF DETECTING DEFECTS ARE PRESENTED.
- HRP 4412 HEMATOLOGY.
CONTINUATION OF HRP 4410 WITH EMPHASIS ON DISEASE STATES AND ABNORMAL CELLS. LECTURE AND LABORATORY STUDIES ON BLOOD COAGULATION PHYSIOLOGY AND METHODS OF DETECTING DEFECTS ARE PRESENTED.
- HRP 4420 CLINICAL CHEMISTRY.
STUDIES IN CLINICAL CHEMISTRY WITH EMPHASIS ON THE PHYSIOLOGY OF NORMAL AND ABNORMAL METABOLISM. MANUAL AND AUTOMATED LABORATORY PROCEDURES FOR THE QUANTITATION OF BODY CONSTITUENTS EMPLOYING GRAVIMETRIC, VOLUMETRIC, GASOMETRIC, TITRIMETRIC AND SPECTROPHOTOMETRIC TECHNIQUES; ALSO TO INCLUDE SPECIAL CHEMISTRIES.
- HRP 4421 CLINICAL CHEMISTRY II.
CONTINUATION OF CLINICAL CHEMISTRY I. (SEE ABOVE DESCRIPTION OF HRP 4420).
- HRP 4430 CLINICAL MICROBIOLOGY.
LECTURE AND LABORATORY STUDIES OF HUMAN PATHOGENIC BACTERIA. EMPHASIS ON STAINING, CULTURAL AND DIFFERENTIAL BIOCHEMICAL CHARACTERISTICS, METHODS OF ISOLATION FROM BODY FLUIDS AND SUSCEPTIBILITY TO THERAPEUTIC AGENTS.
PREREQUISITES: STUDENTS IN THE UPPER LEVEL OF THE MEDICAL TECHNOLOGY COURSES. COURSE TAUGHT AT HOSPITAL FACILITIES.
- LATN 1351 BEGINNING LATIN.
AN INTRODUCTORY COURSE IN LATIN DESIGNED ESPECIALLY FOR STUDENTS WHO PLAN TO MAJOR IN ENGLISH OR A ROMANCE LANGUAGE.
- LATN 1352 BEGINNING LATIN.
A CONTINUATION OF LATIN 1351.
PREREQUISITE: LATIN 1351.
PSYCHOLOGY OF CROWDS AND MOBS; A REVIEW OF DUTIES AND RESPONSIBILITIES
- M C 1301 REPORTING I.
A STUDY OF NEWS SOURCES, NEWSWRITING AND NEWS VALUES, INCLUDING FINDING, GATHERING, EVALUATING AND WRITING NEWS STORIES. THE STUDENT NEWSPAPER IS USED AS A LABORATORY FOR THIS COURSE, WITH STUDENTS SUBMITTING MATERIAL TO THE NEWSPAPER.
PREREQUISITE: A KNOWLEDGE OF TYPING.
- M C 1302 REPORTING II.
A CONTINUATION OF MC 1301, WITH INCREASED EMPHASIS ON SPECIALIZED TYPES OF NEWS REPORTING. THE STUDENT NEWSPAPER IS USED AS A LABORATORY FOR THIS COURSE.
PREREQUISITE: C AVERAGE IN MC 1301.
- M C 1303 INTRODUCTION TO MASS COMMUNICATIONS.

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A SURVEY OF BASIC FACTORS AFFECTING HUMAN INTERACTION THROUGH MASS COMMUNICATIONS; THEORIES AND MODELS OF COMMUNICATIONS; CONTRIBUTIONS OF BEHAVIORAL SCIENCES AND RELATED ARTS.

- M C 1305 PHOTOGRAPHY.
INTRODUCTION TO THE TOOLS AND TECHNIQUES OF PHOTOGRAPHY, INCLUDING CAMERA HANDLING, COMPOSITION, EXPOSURE, SIMPLE LIGHTING, AND LABORATORY PROCESSING OF BLACK AND WHITE PHOTOGRAPHS. STUDENTS MUST HAVE ACCESS TO A 35MM ADJUSTABLE SETTING CAMERA. TWO HOURS LECTURE AND TWO HOURS LAB.
- M C 2303 RADIO AND TELEVISION REPORTING.
A STUDY OF THE PRINCIPLES OF RADIO AND TELEVISION NEWS AND ADVERTISING WITH EMPHASIS ON THE GATHERING AND REPORTING OF NEWS, PARTICULARLY ON THE DIFFERENCES BETWEEN THIS TYPE OF REPORTING AND THAT FOR A NEWSPAPER.
PREREQUISITE: C AVERAGE IN MC 1301.
- M C 2305 CINEMATOGRAPHY
INTRODUCTION TO THE TOOLS, THEORY, AND TECHNIQUES OF MOTION PICTURE PHOTOGRAPHY AND FILM PRODUCTION. PLANNING, CONTINUITY, FILMING, EDITING AND BASIC SOUND WORK FOR FILM. TWO HOURS LECTURE AND TWO HOURS LABORATORY.
PREREQUISITE: MC 1305 OR CONSENT OF THE INSTRUCTOR.
- M C 2308 HISTORY AND SIGNIFICANCE OF THE MOTION PICTURE
THE NATURE, DEVELOPMENT, SIGNIFICANCE, AND POTENTIAL OF FILM; THE CULTURAL, SOCIAL AND PSYCHOLOGICAL IMPACT OF FILM; THE USE OF COMMUNICATIONS SYMBOLS AND DEVICES.
- M C 2315 INTRODUCTION TO RADIO AND TELEVISION
A SURVEY OF THE BROADCAST MEDIA BEGINNING WITH THE HISTORICAL PERSPECTIVE OF RADIO, THE COURSE MOVES TO AN EMPHASIS ON THE TELEVISION MEDIUM. THE COURSE INTRODUCES PRINCIPLES OF RADIO AND TV RATINGS, PROGRAMMING, ADVERTISING, NEWS AND FCC REGULATION. STUDENTS PRACTICE THE TECHNIQUES OF AUDIO AND VIDEO DELIVERY AND VISIT LOCAL EDUCATIONAL AND COMMERCIAL RADIO AND TV STATIONS.
- M C 3304 PRINCIPLES OF ADVERTISING
THE THEORY AND FUNCTIONS OF ADVERTISING IN MODERN SOCIETY; TYPES OF ADVERTISING; WRITING AND PREPARING COPY FOR NEWS AND INFORMATION MEDIA; MAKING ADVERTISING LAYOUTS FOR PRINT MEDIA. NOT OPEN TO THOSE WITH PRIOR CREDIT IN M C 2304.
- M C 3305 EDITING.
STUDY OF COPYREADING, HEADLINE WRITING, AND PLANNING NEWSPAPER MAKEUP; PROCESSING ARTICLES FOR THE UNIVERSITY NEWSPAPER.
PREREQUISITE: C AVERAGE IN MC 1301 AND 1302.
- M C 3306 JOURNALISM FOR SECONDARY TEACHERS.
PROBLEMS OF PLANNING AND PRODUCING THE HIGH SCHOOL NEWSPAPER AND YEARBOOK.
PREREQUISITES: C AVERAGE IN MC 1301 AND 1302.
- M C 3308 TELEVISION NEWSFILM AND WRITING
THEORETICAL AND PRACTICAL APPROACH TO GATHERING, ASSEMBLING AND PRESENTING NEWSFILM AND NEWS FOR TELEVISION. STUDY OF NEWS DEPARTMENTS, RESPONSIBILITY TO THE PUBLIC, AND PUBLIC AFFAIRS PROGRAMMING.
PREREQUISITES: JUNIOR STANDING AND MC 1305 AND MC 2303.
- M C 3309 RADIO-TV NEWS EDITING
LABORATORY SITUATIONS WILL ALLOW STUDENTS TO INTERN IN NEWSROOMS OF AREA RADIO AND TELEVISION STATIONS. EACH STUDENT WILL WORK WITH COPY, NEWSFILM, ON-THE-AIR SCRIPTS, ETC. SOME CLASSROOM WORK.
PREREQUISITES: MC 1301 AND 1302.

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- M C 3310 WRITING FEATURE ARTICLES**
A STUDY OF INTERPRETING TRENDS IN READER APPEAL; INCLUDES ANALYZING FEATURE STORY STRUCTURE; FINDING IDEAS FOR, GATHERING MATERIAL FOR, AND WRITING FEATURE ARTICLES.
PREREQUISITE: C AVERAGE IN MC 1301 AND 1302. NOT OPEN TO THOSE WITH CREDIT IN MC 3307.
- M C 3311 PLANNING EDITORIAL POLICY AND WRITING EDITORIALS**
A STUDY OF EDITORIAL POLICIES FOR PRINT AND BROADCAST MEDIA; INCLUDES STUDYING THE MAJOR TYPES OF EDITORIALS AND WRITING EDITORIALS FOR PARTICULAR PURPOSES AND DIFFERENT AUDIENCES.
PREREQUISITE: C AVERAGE IN MC 1301 AND 1302. NOT OPEN TO THOSE WITH CREDIT IN MC 3307.
- M C 3325 THE MEXICAN FILM**
A CRITICAL EXAMINATION OF MEXICAN FILMS, CONCENTRATING ON APPROACHES TO AESTHETIC AND TECHNICAL CRITICISM OF THE MOTION PICTURE AS AN ART FORM AND AS A COMMUNICATIONS MEDIUM. THE COURSE INCLUDES VIEWING AND DISCUSSION OF FILMS AS WELL AS STUDY OF SCREEN PLAYS FROM WHICH THE FILMS ARE DERIVED.
PREREQUISITE: 12 SEMESTER HOURS OF ENGLISH. NOT OPEN TO STUDENTS WITH CREDIT IN ENGLISH 3325.
- M C 3335 BUSINESS COMMUNICATIONS. (FALL, SPRING, SUMMER)**
A SYSTEMS APPROACH TO INFORMATION PROCESSING WHICH CONCERNS ITSELF WITH THE PSYCHOLOGICAL AND PRACTICAL ASPECTS OF READING, WRITING, SPEAKING AND LISTENING. RESEARCH, BOTH APPLIED AND EXPERIMENTAL, IN COMMUNICATIONS IS A BASIC INGREDIENT OF THIS COURSE. THE AREAS OF KINETIC AND MENTAL COMMUNICATION ALSO ARE EXPLORED.
PREREQUISITES: SATISFACTION OF GENERAL REQUIREMENTS FOR FRESHMAN ENGLISH, ABILITY TO USE THE TYPEWRITER AND ADVANCED STANDING.
- M C 3371 COOPERATIVE EDUCATION I**
A PLANNED PROGRAM OF FULL-TIME WORK (MINIMUM OF ONE SEMESTER OR TWO CONTINUOUS FIVE-WEEK SUMMER SESSIONS) RELATED TO THE FIELD OF MASS COMMUNICATIONS. ENROLLMENT SHOULD BE COMPLETED PRIOR TO THE BEGINNING OF THE WORK PERIOD. CREDIT WILL BE DETERMINED ON THE BASIS OF A SATISFACTORY EMPLOYER'S EVALUATION AND THE STUDENT'S WRITTEN REPORT. CAN BE APPLIED TOWARD COMPLETION OF MAJOR REQUIREMENTS UNLESS PRIOR CREDIT HAS BEEN EARNED FOR MASS COMMUNICATIONS 4371.
PREREQUISITE: APPROVAL OF THE DEPARTMENT.
- M C 3372 COOPERATIVE EDUCATION II**
A PLANNED PROGRAM OF FULL-TIME WORK (MINIMUM OF ONE SEMESTER OR TWO CONTINUOUS FIVE-WEEK SUMMER SESSIONS) RELATED TO THE FIELD OF MASS COMMUNICATIONS. ENROLLMENT SHOULD BE COMPLETED PRIOR TO THE BEGINNING OF THE WORK PERIOD. CREDIT WILL BE DETERMINED ON THE BASIS OF A SATISFACTORY EMPLOYER'S EVALUATION AND THE STUDENT'S WRITTEN REPORT. CARRIES ELECTIVE CREDIT ONLY AND CANNOT BE APPLIED TOWARD FULFILLMENT OF MAJOR OR MINOR REQUIREMENTS.
PREREQUISITE: MASS COMMUNICATIONS 3371.
- M C 3373 COOPERATIVE EDUCATION III**
A PLANNED PROGRAM OF FULL-TIME WORK (MINIMUM OF ONE SEMESTER OR TWO CONTINUOUS FIVE-WEEK SUMMER SESSIONS) RELATED TO THE FIELD OF MASS COMMUNICATIONS. ENROLLMENT SHOULD BE COMPLETED PRIOR TO THE BEGINNING OF THE WORK PERIOD. CREDIT WILL BE DETERMINED ON THE BASIS OF A SATISFACTORY EMPLOYER'S EVALUATION AND THE STUDENT'S WRITTEN REPORT. CARRIES ELECTIVE CREDIT ONLY AND CANNOT BE APPLIED TOWARD FULFILLMENT OF MAJOR OR MINOR REQUIREMENTS.
PREREQUISITE: M.C. 3371 AND M.C. 3372.
- M C 4301 LAW OF THE PRESS**
ETHICAL RESPONSIBILITIES TO NEWS SOURCES, THOSE IN THE NEWS, READERS OR AUDIENCE, AND FELLOW JOURNALISTS; LEGAL RIGHTS AND RESTRICTIONS, INCLUDING CONSTITUTIONAL GUARANTEES, LIBEL, INVASION OF PRIVACY, AND

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CONTEMPT OF COURT.

PREREQUISITES: C AVERAGE IN MC 1301 AND 1302.

- M C 4302 PRINCIPLES OF PUBLIC RELATIONS.
A STUDY OF PLANNING AND PREPARATION OF PUBLICITY MATERIAL FOR VARIOUS MEDIA; APPLICATION OF PUBLIC RELATIONS TECHNIQUES; AND CLINICAL STUDY OF CURRENT PUBLIC RELATIONS CAMPAIGNS. SOME LABORATORY WORK IN THE OFFICE OF PUBLIC INFORMATION.
PREREQUISITE: C AVERAGE IN MC 1301 AND 1302.
- M C 4304 ADVANCED REPORTING.
ADVANCED DEVELOPMENT OF SKILLS IN GATHERING AND WRITING NEWS FOR THE PRINTED MEDIA. LECTURE AND LABORATORY WORK ON STUDENT PUBLICATIONS.
PREREQUISITE: C AVERAGE IN MC 1301 AND 1302.
- M C 4306 ADVANCED PHOTOJOURNALISM.
PICTURE EDITING FOR NEWSPAPERS AND MAGAZINES; LAYOUT WITH PICTURES; PICTURE STORIES; REPORTING WITH A CAMERA. SOME INTERN WORK.
PREREQUISITE: M.C. 1305.
- M C 4307 BROADCAST NEWS.
DEVELOPMENT OF NEWS. BROADCASTING SKILLS, USING REPORTING, WRITING, EDITING, NEWSFILM, MICROPHONE AND CAMERA TECHNIQUES. TOPICS INCLUDE SPECIALIZED REPORTING, SPORTS AS NEWS, PROBLEMS OF RADIO-TELEVISION NEWS COVERAGE, AND NEWS DOCUMENTARIES AND PUBLIC AFFAIRS.
PREREQUISITES: M.C. 3308 AND M.C. 3309.
- M C 4308 MAGAZINE WRITING AND EDITING.
PROCESSES OF CREATIVE WRITING AND EDITING; MAGAZINE LAYOUT; PRINCIPLES, PROCEDURES, AND PROBLEMS RELATED TO GENERAL MAGAZINE, COMPANY PUBLICATIONS AND HOUSE ORGANS, AND BUSINESS JOURNALS.
PREREQUISITES: M.C. 3305 AND M.C. 4304.
- M C 4310 RADIO AND TELEVISION ADVERTISING.
DESIGNED FOR SOUND AND MOTION PICTURES; VISUAL CONTINUITY; SCRIPTS AND STORY-BOARDS; TREND; TERMINOLOGY; PRODUCTION ANALYSIS OF AUDIO-VISUAL ADVERTISING. INTERNSHIP AT AREA STATIONS AND LECTURES.
PREREQUISITES: M.C. 3308 AND M.C. 1305.
- M C 4371 PROFESSIONAL INTERNSHIP
A SUPERVISED PROGRAM OF APPROVED WORK IN THE FIELD OF MASS COMMUNICATIONS, PROVIDING PRACTICAL EXPERIENCE IN AND UNDERSTANDING OF SKILLS NEEDED IN FUNCTIONS SUCH AS ADVERTISING, CARTOONING, EDITING, PUBLIC RELATIONS AND REPORTING. CREDIT WILL BE DETERMINED ON THE BASIS OF A SATISFACTORY EMPLOYER'S EVALUATION AND THE STUDENT'S WRITTEN REPORT. NOT OPEN TO STUDENTS WITH CREDIT IN MC 3371.
PREREQUISITE: JUNIOR STANDING AND APPROVAL OF THE DEPARTMENT.
- M C 5302 SEMINAR IN PUBLIC RELATIONS.
PRINCIPLES AND METHODS OF BUILDING GOODWILL AND OBTAINING PUBLICITY; PROCESSES OF INFLUENCING PUBLIC OPINION, PUBLIC RELATIONS PROGRAMS, WITH EMPHASIS ON IMPLEMENTATION. ONE LECTURE AND FOUR LABORATORY HOURS A WEEK IN UNIVERSITY INFORMATION OFFICE.
PREREQUISITE: M.C. 1301 AND 1302.
- M C 5306 SEMINAR FOR TEACHERS IN SECONDARY JOURNALISM.
PROBLEMS OF PLANNING AND PRODUCING THE HIGH SCHOOL NEWSPAPER AND YEARBOOK, INCLUDING THE TECHNICAL ASPECTS OF PRINTING. ONE LECTURE AND FOUR LABORATORY HOURS A WEEK ON STUDENT NEWSPAPER OR YEARBOOK.
PREREQUISITE: M.C. 1301 AND 1302.
- MATH 1300 BASIC MATHEMATICS
A COURSE DESIGNED FOR THE STUDENT WITH A MINIMAL BACKGROUND IN MATHEMATICS. THIS COURSE SHOULD PREPARE ONE FOR BASIC ALGEBRA OR OTHER

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MATHEMATICS COURSEWORK RECOMMENDED FOR THE STUDENT IN EDUCATION, FINE ARTS, THE HUMANITIES OR SOCIAL SCIENCES. TOPICS INCLUDE BASIC ARITHMETICAL OPERATIONS ON WHOLE NUMBERS, FRACTIONS AND SIGNED NUMBERS; DECIMAL ARITHMETIC; PERCENTAGES; ELEMENTARY GEOMETRY; MEASUREMENTS; AND CONSUMER MATHEMATICS. THIS COURSE MAY NOT BE USED TO SATISFY ANY GENERAL UNIVERSITY GRADUATION REQUIREMENTS AND MAY BE ONLY COUNTED AS A GENERAL ELECTIVE.
FUNCTIONS AND GRAPHS; QUADRATICS; SYSTEMS OF LINEAR EQUATIONS AND

MATH 1327 MATHEMATICS APPRECIATION I
THIS COURSE IS FOR NON-MATHEMATICS AND NON-SCIENCE MAJORS IS DESIGNED TO INCREASE THE STUDENT'S APPRECIATION OF MATHEMATICS BY GAINING INSIGHT INTO THE STRUCTURAL PROPERTIES OF MATHEMATICAL SYSTEMS AND BY INCREASING HIS COMPETENCE IN THE USE OF FUNDAMENTAL AND PRACTICAL SKILLS.
RECOMMENDATIONS FOR STUDENTS WHO SELECT MATHEMATICS AS PART OF THE GENERAL REQUIREMENTS FOR THEIR DEGREE.
PREFEREQUISITE: MATH 1300 WITH A GRADE OF C OR BETTER OR SATISFACTORY GRADE ON ACT OR PLACEMENT EXAM. THIS COURSE REPLACES MATH 1316. A STUDENT MAY USE MATH 1327 TO REPLACE A GRADE RECEIVED IN MATH 1316; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 1316 AND MATH 1327.

MATH 1328 MATHEMATICS APPRECIATION II
THIS COURSE IS A CONTINUATION OF MATH 1327.
PREFEREQUISITE: MATH 1327. THIS COURSE REPLACES MATH 1317. A STUDENT MAY USE MATH 1328 TO REPLACE A GRADE RECEIVED IN MATH 1317; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 1317 AND MATH 1328.

MATH 1335 BASIC ALGEBRA
A COURSE IN BEGINNING ALGEBRA DESIGNED TO PREPARE THE STUDENT FOR COLLEGE ALGEBRA. TOPICS INCLUDE A REVIEW OF BASIC MATHEMATICS; POLYNOMIALS; SPECIAL PRODUCTS AND FACTORS; RATIONAL EXPRESSIONS; LINEAR EQUATIONS AND GRAPHS; SIMPLE QUADRATICS; AND INTRODUCTION TO FUNCTIONS; SYSTEMS OF LINEAR EQUATIONS IN TWO UNKNOWN; AND ELEMENTARY INEQUALITIES.
PREFEREQUISITE: MATH 1300 WITH A GRADE OF C OR BETTER OR SATISFACTORY GRADE ON ACT OR PLACEMENT EXAM. THIS COURSE REPLACES MATH 1303. A STUDENT MAY USE MATH 1335 TO REPLACE A GRADE IN MATH 1303; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 1303 AND MATH 1335.

MATH 1340 COLLEGE ALGEBRA
A CONTINUATION OF MATH 1335. TOPICS INCLUDE A REVIEW OF BASIC ALGEBRA; QUADRATIC FUNCTIONS AND EQUATIONS; POLYNOMIAL FUNCTIONS; POLYNOMIAL AND ABSOLUTE VALUE INEQUALITIES; EXPONENTS AND RADICALS; MATICES AND DETERMINANTS; LOGARITHMS; AND BINOMIAL EXPANSIONS.
PREFEREQUISITE: MATH 1335 WITH A GRADE OF C OR BETTER OR SATISFACTORY GRADE ON ACT OR PLACEMENT EXAM. THIS COURSE REPLACES A GRADE RECEIVED IN MATH 1304; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 1304 AND MATH 1340.

MATH 1356 TRIGONOMETRY
A COURSE TO BE USED ALONG WITH MATH 1358 TO PREPARE A STUDENT FOR CALCULUS. MAY ALSO BE TAKEN BY THOSE DESIRING MATHEMATICS COURSE WORK BEYOND COLLEGE ALGEBRA. TOPICS INCLUDE AN INTRODUCTION TO THE TRIGONOMETRIC FUNCTIONS, TRIGONOMETRIC FUNCTIONS OF ACUTE ANGLES, BASIC IDENTITIES AND RIGHT ANGLE PROBLEMS, RELATED ANGLES, RADIANT MEASURE, GRAPHS OF TRIGONOMETRIC FUNCTIONS, ADDITION FORMULAS, DOUBLE-ANGLE AND HALF-ANGLE FORMULAS, TRIGONOMETRIC EQUATIONS, LAW OF SINES AND COSINES, INVERSE TRIGONOMETRIC FUNCTIONS, AND EXPONENTIAL AND LOGARITHMIC FUNCTIONS.
PREFEREQUISITE: MATH 1340 OR ITS EQUIVALENT WITH A GRADE OF C OR BETTER OR SATISFACTORY GRADE ON ACT OR PLACEMENT EXAM. THIS COURSE REPLACES MATH 1305; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 1305 AND MATH 1356.

MATH 1358 ANALYTIC GEOMETRY
A COURSE TO BE USED ALONG WITH MATH 1356 TO PREPARE A STUDENT FOR CALCULUS. TOPICS INCLUDE LINES, CIRCLES, PARABOLAS, ELLIPSES, HYPERBOLAS, POLAR COORDINATES, VECTORS AND AN INTRODUCTION TO THREE DIMENSIONAL ANALYTIC GEOMETRY.

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PREREQUISITE: MATH 1340 (OR ITS EQUIVALENT) AND MATH 1356 (OR ITS EQUIVALENT) WITH A GRADE OF AT LEAST A C IN EACH. MATH 1356 MAY BE TAKEN CONCURRENTLY WITH MATH 1358.

MATH 1365 SURVEY OF ELEMENTARY CALCULUS
THIS COURSE IS RECOMMENDED FOR THOSE WHO DESIRE AN ELEMENTARY OVERVIEW OF THE NATURE AND USES OF CALCULUS. IT IS NOT INTENDED FOR THOSE MAJORS OR MINORS IN DISCIPLINES REQUIRING MORE THAN THREE HOURS OF CALCULUS. TOPICS INCLUDE THE BASIC ESSENTIALS OF DIFFERENTIAL AND INTEGRAL CALCULUS, OPTIMIZATION TECHNIQUES, AND OTHER APPLICATIONS.
PREREQUISITE: MATH 1356 AND MATH 1358, OR MATH 1460.

MATH 1370 CALCULUS I
THIS COURSE COVERS THE BASIC TOPICS OF DIFFERENTIAL CALCULUS INCLUDING LIMITS, THE DERIVATIVE AND ITS APPLICATIONS, PARAMETRIC CURVES AND ASSOCIATED DERIVATIVES, THE MEAN VALUE THEOREM, AND INDETERMINATE FORMS.
PREREQUISITE: MATH 1356 AND MATH 1358 WITH A GRADE OF C OR BETTER IN EACH; OR MATH 1460 WITH A GRADE OF C OR BETTER. THIS COURSE REPLACES MATH 1318; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 1318 AND MATH 1370.

MATH 1460 PRE-CALCULUS MATHEMATICS
THIS COURSE IS AN ALTERNATIVE TO MATH 1356-1358 AS A PRE-CALCULUS ROUTE. IT IS DESIGNED FOR STUDENTS WITH A SUPERIOR HIGH SCHOOL BACKGROUND IN MATHEMATICS OR FOR THOSE WHO HAVE RECEIVED AN A IN MATH 1340. TOPICS INCLUDE TRIGONOMETRY, LOGARITHMIC AND EXPONENTIAL FUNCTIONS, VECTOR, ANALYTIC GEOMETRY, AND POLAR CO-ORDINATES.
PREREQUISITE: TWO YEARS OF HIGH SCHOOL ALGEBRA, ONE YEAR OF GEOMETRY, ONE-HALF YEAR OF TRIGONOMETRY, AND A SATISFACTORY GRADE ON ACT OR PLACEMENT EXAM; OR MATH 1340 WITH A GRADE OF A. THIS COURSE REPLACES MATH 1312. A STUDENT MAY USE MATH 1460 TO REPLACE A GRADE RECEIVED IN MATH 1312; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 1312 AND MATH 1460.

MATH 2306 MATHEMATICS FOR ELEMENTARY TEACHERS I
THIS COURSE PROVIDES THE MATHEMATICAL BACKGROUND FOR MEANINGFUL TEACHING OF NUMBER CONCEPTS, PRECISE DEFINITIONS, FUNDAMENTAL PROCESSES AND PROBLEM SOLVING IN ELEMENTARY SCHOOL MATHEMATICS. THE STRUCTURE OF THE REAL NUMBER SYSTEM IS DEVELOPED THROUGH THE USE OF ELEMENTARY LOGIC AND SET THEORY.
PREREQUISITE: MATH 1300 WITH GRADE OF C OR BETTER OR SATISFACTORY GRADE ON ACT OR PLACEMENT EXAM. THIS COURSE REPLACES MATH 1314. A STUDENT MAY USE MATH 2306 TO REPLACE A GRADE RECEIVED IN MATH 1314; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 1314 AND MATH 2306.

MATH 2307 MATHEMATICS FOR ELEMENTARY TEACHERS II
THIS COURSE IS A CONTINUATION OF MATH 2306. TOPICS INCLUDE INFORMAL METRIC AND NON-METRIC GEOMETRY, PROBABILITY AND STATISTICS, FINITE MATHEMATICAL SYSTEMS, AND ELEMENTARY ALGEBRA WITH EMPHASIS ON THE SOLUTION AND GRAPHING OF LINEAR EQUATIONS AND INEQUALITIES, SOLUTION OF SYSTEMS OF LINEAR EQUATIONS, AND PROBLEM SOLVING.
PREREQUISITE: MATH 2306 OR ITS EQUIVALENT. THIS COURSE REPLACES MATH 1315. A STUDENT MAY USE MATH 2307 TO REPLACE A GRADE RECEIVED IN MATH 1315; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 1315 AND MATH 2307.

MATH 2315 BUSINESS MATHEMATICS
THIS COURSE IS DESIGNED FOR STUDENTS WHO PLAN TO MAJOR WITHIN THE SCHOOL OF BUSINESS ADMINISTRATION. TOPICS INCLUDE A STUDY OF LINEAR PROGRAMING, LOGARITHMS, COMPOUND INTEREST, ANNUITIES, AMORTIZATION, DIFFERENTIATION, INTEGRATION, AND PROBABILITY.
PREREQUISITE: MATH 1340 WITH A GRADE OF C OR BETTER. THIS COURSE REPLACES MATH 2303. A STUDENT MAY USE MATH 2315 TO REPLACE A GRADE RECEIVED IN MATH 2303; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 2303 AND MATH 2315.

MATH 2330 SURVEY OF ELEMENTARY STATISTICS
THIS COURSE IS INTENDED TO PROVIDE THE STUDENT WITH AN ELEMENTARY

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OVERVIEW OF THE NATURE AND USES OF DESCRIPTIVE AND INFERENCE STATISTICS. RECOMMENDED FOR MAJORS OR MINORS IN BIOLOGY, BUSINESS, COMMUNITY SERVICES, LAW ENFORCEMENT, POLITICAL SCIENCE, PSYCHOLOGY, SOCIOLOGY AND OTHERS WHO NEED THE ABILITY TO INTERPRET DATA AND MAKE SIMPLE STATISTICAL INFERENCES. THE COURSE EXPLORES NUMEROUS EXAMPLES FROM THE SOCIAL, LIFE, NATURAL AND PHYSICAL SCIENCES. TOPICS INCLUDE DESCRIPTIVE STATISTICS, MEASURES OF CENTRAL TENDENCY AND DISPERSION, SIMPLE PROBABILITY, TESTS OF HYPOTHESES AND ESTIMATION FOR BOTH LARGE AND SMALL SAMPLES, COMPARISONS, CI-SQUARE TESTS, AND REGRESSION AND CORRELATION.

PREREQUISITE: MATH 1335 WITH A GRADE OF B OR BETTER; OR MATH 1340 WITH A GRADE OF C OR BETTER. THIS COURSE REPLACES MATH 1313 AND IS THE SAME AS STAT 2330. A STUDENT MAY USE MATH 2330 TO REPLACE A GRADE RECEIVED IN MATH 1313; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR NO MORE THAN ONE OF MATH 1313, MATH 2330, OR STAT 2330.

MATH 2342 CALCULUS II
THIS COURSE COVERS THE BASIC TOPICS OF INTEGRAL CALCULUS INCLUDING THE LIMIT DEFINITION OF THE INTEGRAL, ANTI-DERIVATIVES, THE FUNDAMENTAL THEOREM OF CALCULUS, TECHNIQUES OF INTEGRATION, APPLICATIONS OF THE INTEGRAL, IMPROPER INTEGRALS, AND INTEGRATION OVER POLAR REGIONS.

PREREQUISITE: MATH 1370 WITH A GRADE OF C OR BETTER. THIS COURSE REPLACES MATH 1319. STUDENTS MAY USE MATH 2342 TO REPLACE A GRADE RECEIVED IN MATH 1319; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 1319 AND MATH 2342.

MATH 2345 COMPUTATIONAL LINEAR ALGEBRA
THIS COURSE, IN ADDITION TO BEING A PREREQUISITE FOR CALCULUS III, IS ALSO RECOMMENDED FOR STUDENTS IN BUSINESS, NATURAL SCIENCE, OR SOCIAL SCIENCE WHO DESIRE ADDITIONAL MATHEMATICS COURSEWORK BEYOND A FIRST OCCURANCE IN CALCULUS OR BUSINESS MATH. TOPICS INCLUDE SYSTEMS OF LINEAR EQUATIONS, MATRICES AND THEIR ALGEBRAIC PROPERTIES, DETERMINANTS, VECTORS IN 2-SPACE AND 3-SPACE, EUCLIDEAN N-SPACE, AN INTRODUCTION TO LINEAR TRANSFORMATIONS AND THEIR MATRIX REPRESENTATIONS, LINEAR PROGRAMMING, AND OTHER APPLICATIONS OF LINEAR ALGEBRA. EMPHASIS IS GIVEN TO COMPUTER APPLICATION OF THE ABOVE TOPICS.

PREREQUISITE: CS 1309 AND ONE OF MATH 1365, 1370, OR MATH 2315. THIS COURSE REPLACES MATH 2304. A STUDENT MAY USE MATH 2345 TO REPLACE A GRADE RECEIVED IN MATH 2304; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 2304 AND MATH 2345.

MATH 2347 CALCULUS III
THIS COURSE IS A CONTINUATION OF MATH 2342 AND MATH 2345. TOPICS INCLUDE: INFINITE SERIES, 3-DIMENSIONAL ANALYTIC GEOMETRY, PARTIAL DERIVATIVES AND MULTIPLE INTEGRALS.

PREREQUISITE: MATH 2342 AND MATH 2345 WITH A GRADE OF C OR BETTER IN EACH. THIS COURSE REPLACES MATH 2305. A STUDENT MAY USE MATH 2347 TO REPLACE A GRADE RECEIVED IN MATH 2305; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 2305 AND MATH 2347.

MATH 2367 MATHEMATICAL CONTRIBUTIONS TO WESTERN CULTURE I.
A REVIEW OF THE SIGNIFICANT DISCOVERIES IN MATHEMATICS AND THEIR RELATIONSHIP TO THE WESTERN CULTURE.

MATH 2388 MATHEMATICAL CONTRIBUTIONS TO WESTERN CULTURE II.
A CONTINUATION OF MATH. 2367.

MATH 3303 HISTORY OF MATHEMATICS.
THIS COURSE IS A STUDY OF THE SOURCES OF MATHEMATICAL PRINCIPLES, GROWTH OF MATHEMATICAL KNOWLEDGE, AND THE CONTRIBUTIONS OF OUTSTANDING MATHEMATICIANS.

PREREQUISITE: 12 SEMESTER HOURS OF MATHEMATICS.

MATH 3311 MATHEMATICS FOR SECONDARY TEACHERS I
THIS COURSE INCLUDES A STUDY OF MATHEMATICS EDUCATION IN THE UNITED STATES, AN EXAMINATION OF CURRICULAR RECOMMENDATIONS, EXPERIMENTAL PROGRAMS, TEACHING STRATEGIES, MAINTAINING THROUGHOUT A BALANCE BETWEEN CONTENT AND PEDAGOGY.

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PREREQUISITE: 12 SEMESTER HOURS OF MATHEMATICS. THIS COURSE REPLACES MATH 3304. A STUDENT MAY NOT RECEIVE CREDIT FOR BOTH MATH 3304 AND MATH 3311.

MATH 3314 GEOMETRY FOR SECONDARY TEACHERS
THIS COURSE IS DESIGNED TO HELP PRESPECTIVE SECONDARY TEACHERS OF GEOMETRY BRIDGE THE GAP BETWEEN CLASSICAL EUCLIDEAN AND MODERN ABSTRACT GEOMETRY. TOPICS INCLUDE A MODERN INTRODUCTION TO AXIOMATIC SYSTEMS FOR PLANE AND SOLID GEOMETRY, AND A SURVEY OF VARIOUS EUCLIDEAN AND NON-EUCLIDEAN GEOMETRIES.
PREREQUISITE: 12 SEMESTER HOURS OF MATHEMATICS. THIS COURSE REPLACES MATH 3306; A STUDENT MAY USE MATH 3314 TO REPLACE A GRADE RECEIVED IN MATH 3306; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 3306 AND MATH 3314.

MATH 3325 CO-OPERATIVE EDUCATION I
THIS COURSE IS DESIGNED TO ALLOW CO-OPERATIVE EDUCATION STUDENTS WHO ARE MAJOR OR MINOR IN MATHEMATICS TO RECEIVE CREDIT FOR ON THE JOB WORK DONE IN MATHEMATICS. THE COURSE GRADE WILL BE GIVEN ON A BASIS OF A PAPER PREPARED BY THE STUDENT IN WHICH HE DESCRIBES IN DETAIL THE MATHEMATICS INVOLVED IN HIS WORK EXPERIENCE AND THE DEPARTMENT'S ASSESSMENT OF THE EMPLOYER'S EVALUATION OF THE STUDENT'S MATHEMATICALLY ORIENTED WORK.
PREREQUISITE: MATH 1365 OR MATH 1370, OR EQUIVALENT. CREDIT FOR THIS COURSE AVAILABLE ONLY FOR STUDENTS WITH A MAJOR OR MINOR IN MATHEMATICS AND MAY BE USED ONLY AS ELECTIVE HOURS.

MATH 3326 CO-OPERATIVE EDUCATION II
THIS COURSE IS A CONTINUATION OF MATH 3325 AND MAY BE TAKEN DURING A LATER PERIOD OF EMPLOYMENT. THE GRADING PROCEDURE IS THE SAME AS THAT FOR MATH 3325.
PREREQUISITE: MATH 3325. CREDIT FOR THIS COURSE AVAILABLE ONLY FOR STUDENTS WITH A MAJOR OR MINOR IN MATHEMATICS AND MAY BE USED ONLY FOR ELECTIVE HOURS.

MATH 3337 APPLIED STATISTICS I
THIS COURSE PRESENTS A STUDY OF PROBLEMS IN ORGANIZING, SUMMARIZING, AND INTERPRETING STATISTICAL INFORMATION. TOPICS INCLUDE MEASUREMENTS OF CENTRAL TENDENCY; VARIATION; TRANSFORMED SCORES; SAMPLING ERROR AND THE CENTRAL LIMIT THEOREM; THEORETICAL FREQUENCY DISTRIBUTION; BINOMIAL, NORMAL, T, F1, AND CHI-SQUARE DISTRIBUTIONS; HYPOTHESIS TESTING, AND ESTIMATION. COMPUTER LABORATORY EXPERIENCE WILL BE AN IMPORTANT PART OF THE COURSE.
PREREQUISITE: JUNIOR LEVEL STANDING, CS 1309 AND EITHER MATH 2315 OR MATH 1370. THIS COURSE REPLACES MATH 3308 AND IS THE SAME AS STAT 3337. A STUDENT MAY USE MATH 3337 TO REPLACE A GRADE RECEIVED IN MATH 3308; HOWEVER, ONE MAY RECEIVE CREDIT FOR AT MOST ONE OF MATH 3308, MATH 3337, OR STAT 3337.

MATH 3338 APPLIED STATISTICS II
THIS COURSE IS A CONTINUATION OF MATH 3337 AND IS LARGELY CONCERNED WITH TECHNICAL PROBLEMS ENCOUNTERED IN PLANNING AND CONDUCTING STUDIES. TOPICS INCLUDE A STUDY OF EXPERIMENTAL DESIGNS; SAMPLING TECHNIQUES; ANALYSIS OF VARIANCE AND COVARIANCE; AND REGRESSION ANALYSIS. COMPUTER LABORATORY EXPERIENCE WILL BE AN IMPORTANT PART OF THE COURSE.
PREREQUISITE: MATH OR STAT 3337. THIS COURSE REPLACES MATH 3309 AND IS THE SAME AS STAT 3338. A STUDENT MAY USE MATH 3338 TO REPLACE A GRADE RECEIVED IN MATH 3309; HOWEVER, ONE MAY RECEIVE CREDIT FOR AT MOST ONE OF MATH 3309, MATH 3338, OR STAT 3338.

MATH 3349 DIFFERENTIAL EQUATIONS
THIS COURSE CONTAINS A STUDY OF ORDINARY DIFFERENTIAL EQUATIONS, FORMULATION OF PRACTICAL PROBLEMS AND METHODS OF APPROXIMATION.
PREREQUISITE: MATH 2347. THIS COURSE REPLACES MATH 3301. A STUDENT MAY USE MATH 3349 TO REPLACE A GRADE RECEIVED IN MATH 3301; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 3301 AND MATH 3349.

MATH 4316 MATHEMATICS FOR SECONDARY TEACHERS II

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THIS COURSE COVERS THE OBJECTIVES AND CONTENT OF THE VARIOUS COURSES TAUGHT IN HIGH SCHOOL. A VARIETY OF MATHEMATICAL TOPICS IS COVERED TO INSURE THE UNDERSTANDING OF EACH AND TO VITALIZE THE TEACHING OF MATHEMATICS.

PREREQUISITE: MATH 3311 OR CONSENT OF DEPARTMENT. THIS COURSE REPLACES MATH 4313; A STUDENT MAY USE MATH 4316 TO REPLACE A GRADE RECEIVED IN MATH 4313; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 4313 AND MATH 4316.

MATH 4339 MATHEMATICAL STATISTICS I
THIS COURSE INTRODUCES THE STUDENT TO THE MATHEMATICAL THEORY OF STATISTICS AND PROBABILITY. TOPICS INCLUDE PROBABILITY DENSITIES, MATHEMATICAL EXPECTATION, THE DISTRIBUTION OF LINEAR COMBINATIONS OF RANDOM VARIABLES AND THE CENTRAL LIMIT THEOREM.
PREREQUISITE: MATH 2347 WITH A GRADE OF C OR BETTER. THIS COURSE REPLACES MATH 4308 AND IS THE SAME AS STAT 4339. A STUDENT MAY USE MATH 4339 TO REPLACE A GRADE RECEIVED IN MATH 4308; HOWEVER, ONE MAY RECEIVE CREDIT FOR AT MOST ONE OF MATH 4308, MATH 4339, OR STAT 4339.

MATH 4340 MATHEMATICAL STATISTICS II
THIS COURSE IS A CONTINUATION OF MATH 4339. TOPICS INCLUDE A STUDY OF SAMPLING DISTRIBUTIONS ESTIMATION, TESTS OF HYPOTHESES, CORRELATION AND REGRESSION, AND THE ANALYSIS OF VARIANCE. PREREQUISITE: MATH OR STAT 4339. THIS COURSE REPLACES MATH 4309 AND IS THE SAME AS STAT 4340. A STUDENT MAY USE MATH 4340 TO REPLACE A GRADE IN MATH 4309; HOWEVER, ONE MAY RECEIVE CREDIT FOR AT MOST ONE OF MATH 4309, OR STAT 4340.

MATH 4345 INTRODUCTION TO PURE MATHEMATICS
THIS COURSE INTRODUCES THE STUDENT TO A RIGOROUS STUDY OF THE FOUNDATIONS OF PURE MATHEMATICS. TOPICS INCLUDE: SETS, LOGIC, AXIOMATIC SYSTEMS AND THE CONCEPT OF THE MATHEMATICAL PROOF. EMPHASIS IS PLACED ON THE STUDENT DEVELOPING THE ABILITY TO INDIVIDUALLY CREATE AND PRESENT MATHEMATICAL PROOFS.
PREREQUISITE: 12 SEMESTER HOURS OF MATHEMATICS INCLUDING MATH 2342 (OR ITS EQUIVALENT) WITH A GRADE OF C OR BETTER. THIS COURSE REPLACES MATH 4310. A STUDENT MAY USE MATH 4345 TO REPLACE A GRADE RECEIVED IN MATH 4310; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 4310 AND MATH 4345.

MATH 4348 INTRODUCTION TO THE THEORY OF LINEAR ALGEBRA
THIS COURSE PRESENTS A THEORETICAL SURVEY OF LINEAR ALGEBRA. TOPICS INCLUDE AN INTRODUCTION TO VECTOR SPACES, LINEAR TRANSFORMATIONS AND ASSOCIATED MATRICES, BILINEAR AND QUADRATIC FORMS, EIGEN VALUES AND EIGEN VECTORS, AND SIMILARITY OF MATRICES.
PREREQUISITE: MATH 2345 WITH A GRADE OF C OR BETTER AND MATH 4345. THIS COURSE REPLACES MATH 4303. A STUDENT MAY USE MATH 4348 TO REPLACE A GRADE RECEIVED IN MATH 4303; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 4303 AND MATH 4348.

MATH 4351 INTRODUCTION TO MODERN ALGEBRA
THIS COURSE PROVIDES AN INTRODUCTION TO THE THEORY OF VARIOUS ALGEBRAIC STRUCTURES. TOPICS TO BE TAKEN FROM THE THEORY OF SEMIGROUPS, GROUPS, RINGS AND FIELDS.
PREREQUISITE: MATH 4345 WITH A GRADE OF C OR BETTER. THIS COURSE REPLACES MATH 4303. A STUDENT MAY USE MATH 4351 TO REPLACE A GRADE RECEIVED IN MATH 4304; HOWEVER ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 4303 AND MATH 4351.

MATH 4357 INTRODUCTION TO REAL ANALYSIS
THIS COURSE PRESENTS A RIGOROUS INTRODUCTION TO THE ELEMENTS OF REAL ANALYSIS. TOPICS INCLUDE A STUDY OF SEQUENCES AND SERIES, TOPOLOGY OF THE REAL LINE, FUNCTIONS, LIMITS AND CONTINUITY, AND DERIVATIVES.
PREREQUISITE: MATH 4345 WITH A GRADE OF C OR BETTER. THIS COURSE REPLACES MATH 4315. A STUDENT MAY USE MATH 4357 TO REPLACE A GRADE RECEIVED IN MATH 4315; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 4315 AND MATH 4357.

MATH 4360 INTRODUCTION TO TOPOLOGY

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THIS COURSE PRESENTS A RIGOROUS INTRODUCTION TO THE ELEMENTS OF TOPOLOGY. TOPICS INCLUDE A STUDY OF METRIC SPACES, SEPARATION AXIOMS, TOPOLOGICAL SPACES, AND TOPOLOGICAL PROPERTIES OF POINT SETS AND MAPPINGS.

PREREQUISITE: MATH 4345 WITH A GRADE OF C OR BETTER. THIS COURSE REPLACES MATH 4312. A STUDENT MAY USE MATH 4360 TO REPLACE A GRADE RECEIVED IN MATH 4312; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 4312 AND MATH 4360.

MATH 4364 TOPICS IN PURE MATHEMATICS
THIS COURSE COVERS SPECIAL UNDERGRADUATE TOPICS IN PURE MATHEMATICS WHICH ARE NOT TAUGHT ELSEWHERE IN THE DEPARTMENT. TOPICS WILL BE CHOSEN FROM THE FIELDS OF ALGEBRA, ANALYSIS, LOGIC, NUMBER THEORY, SET THEORY AND TOPOLOGY. MAY BE REPEATED FOR CREDIT WHEN TOPIC IS DIFFERENT.

PREREQUISITE: MATH 4345 WITH GRADE OF C OR BETTER AND CONSENT FROM THE DEPARTMENT.

MATH 4371 INTRODUCTION TO MULTIVARIABLE ANALYSIS
THIS COURSE COVERS VARIOUS TOPICS SELECTED FROM THE THEORY AND APPLICATION OF THE DIFFERENTIAL AND INTEGRAL CALCULUS OF FUNCTIONS OF SEVERAL VARIABLES. TOPICS TO BE CHOSEN FROM VECTOR ANALYSIS, TRANSFORMATIONS OF VARIABLES, DIFFERENTIAL FORMS, AND SERIES.

PREREQUISITE: MATH 2347 WITH A GRADE OF C OR BETTER. THIS COURSE REPLACES MATH 4314. A STUDENT MAY USE MATH 4371 TO REPLACE A GRADE RECEIVED IN MATH 4314; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 4314 AND MATH 4371.

MATH 4373 INTRODUCTION TO COMBINATORIAL ANALYSIS
THIS COURSE PRESENTS A RIGOROUS SURVEY OF VARIOUS TOPICS OF FINITE MATHEMATICS INCLUDING FINITE DIFFERENCE EQUATIONS, GENERATING FUNCTIONS AND GRAPH THEORY.

PREREQUISITE: MATH 4345 WITH GRADE OF C OR BETTER; OR CONSENT OF DEPARTMENT.

MATH 4379 TOPICS IN APPLIED MATHEMATICS
THIS COURSE COVERS SPECIAL UNDERGRADUATE TOPICS IN APPLIED MATHEMATICS WHICH ARE NOT TAUGHT ELSEWHERE IN THE DEPARTMENT. TOPICS WILL BE CHOSEN FROM COMPLEX VARIABLES, INTEGRAL TRANSFORMS, MATHEMATICAL MODELING, OPTIMIZATION, PROBABILITY AND STATISTICS, DIFFERENTIAL EQUATIONS, AND BOUNDARY VALUE PROBLEMS. MAY BE REPEATED FOR CREDIT WHEN TOPIC IS DIFFERENT.

PREREQUISITE: C S 1309, MATH 2345, AND MATH 2347. FOR SOME TOPICS, COURSEWORK IN DIFFERENTIAL EQUATIONS, STATISTICS OF OTHER PREVIOUS COURSES IN APPLIED MATHEMATICS MAY BE REQUIRED AS A PREREQUISITE. THIS COURSE REPLACES MATH 4311. A STUDENT MAY USE MATH 4379 TO REPLACE A GRADE RECEIVED IN MATH 4311; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH 4311 AND MATH 4379.

MATH 4468 INTRODUCTION TO NUMERICAL ANALYSIS
THIS COURSE COVERS ITERATION PROCESSES, NUMERICAL SOLUTIONS TO ALGEBRAIC AND TRANSCENDENTAL EQUATIONS, NUMERICAL SOLUTION TO DIFFERENTIAL EQUATIONS, SIMULATIONS, FINITE DIFFERENCE EQUATIONS, AND ERROR ANALYSIS. THREE HOURS OF LECTURE AND THREE HOURS OF LABORATORY.

PREREQUISITE: MATH 3349 OR CONSENT OF DEPARTMENT. THIS COURSE REPLACES MATH 4307; A STUDENT MAY USE MATH 4468 TO REPLACE A GRADE RECEIVED IN MATH 4307; HOWEVER, ONE MAY NOT RECEIVE CREDIT FOR BOTH MATH 4307 AND MATH 4468.

MATH 5339 GRADUATE MATHEMATICAL STATISTICS I
TOPICS COVERED ARE PROBABILITY DENSITIES, MATHEMATICAL EXPECTATION, THE DISTRIBUTION OF LINEAR COMBINATIONS OF RANDOM VARIABLES AND THE CENTRAL LIMIT THEOREM. STUDENT REPORTS ON SELECTED TOPICS WILL BE REQUIRED.

PREREQUISITE: MATH 2347.

MATH 5340 GRADUATE MATHEMATICAL STATISTICS II
TOPICS COVERED ARE SAMPLING DISTRIBUTIONS ESTIMATION, TESTS OF HYPOTHESES, CORRELATION AND REGRESSION AND THE ANALYSIS OF VARIANCE.

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INVESTIGATION OF SPECIAL PROBLEMS IN THE THEORY AND APPLICATION OF STATISTICS USING CURRENT TECHNIQUES.
PREREQUISITE: MATH 4339 OR 5339.

- MATH 5345 GRADUATE INTRODUCTION TO PURE MATHEMATICS
A RIGOROUS EXAMINATION OF THE FOUNDATIONS OF MATHEMATICS INCLUDING TOPICS IN SET THEORY, LOGIC AND AXIOMATIC THEORY. EMPHASIS WILL BE PLACED ON THE STUDENT DEVELOPING THE ABILITY TO UNDERSTAND AND PROVE MATHEMATICAL THEOREMS.
PREREQUISITE: GRADUATE STANDING.
- MATH 5351 GRADUATE INTRODUCTION TO MODERN ALGEBRA
THIS COURSE INCLUDES A STUDY OF THE BASIC NUMBER SYSTEM OF ALGEBRA, GROUP THEORY, VECTORS AND VECTOR SPACES, THE ALGEBRA OF MATICES, LINEAR GROUPS, DETERMINANTS AND CANONICAL FORMS. INDIVIDUAL STUDENTS WILL BE ASSIGNED AN IN-DEPTH STUDY OF ONE OF THE TOPICS.
PREREQUISITE: MATH 5354 OR EQUIVALENT.
- MATH 5357 GRADUATE INTRODUCTION TO REAL ANALYSIS
A STUDY OF SEQUENCES AND SERIES, FUNCTIONS, CONTINUITY, LIMITS, DIFFERENTIATION AND TOPOLOGY OF THE LINE.
PREREQUISITE: MATH 5345 OR EQUIVALENT.
- MATH 5360 GRADUATE INTRODUCTION TO TOPOLOGY
TOPOLOGICAL PROPERTIES OF SETS IN EUCLIDEAN SPACE AND AN INTRODUCTION TO THE GENERAL THEORY OF METRIC AND TOPOLOGICAL SPACES.
PREREQUISITE: MATH 5354 OR EQUIVALENT.
- MATH 5373 GRADUATE INTRODUCTION TO COMBINATORIAL ANALYSIS
TOPICS COVERED ARE PERMUTATIONS, COMBINATIONS, GENERATING FUNCTIONS, RECURRENCE RELATIONS AND TOPICS FROM GRAPH THEORY.
PREREQUISITE: MATH 5345 OR EQUIVALENT.
- MATH 5460 GRADUATE INTRODUCTION TO NUMERICAL ANALYSIS
TOPICS COVERED ARE SOLUTIONS TO ALGEBRAIC AND TRANSCENDENTAL EQUATIONS; NUMERICAL PROCEDURES FOR SOLVING DIFFERENTIAL EQUATIONS AND EVALUATING INTEGRALS; RELATED TOPICS.
PREREQUISITE: MATH 3349.
- MATH 6314 MATHEMATICS SEMINAR
AN INTRODUCTION TO THE METHODS AND TOOLS OF MATHEMATICAL RESEARCH. THE WORK OF THE COURSE CONSISTS IN THE SOLUTION BY STUDENTS OF ASSIGNED PROBLEMS IN VARIOUS FIELDS OF MATHEMATICS AND PRESENTATION OF THESE SOLUTIONS IN BOTH WRITTEN AND ORAL FORM.
PREREQUISITE: EIGHTEEN HOURS OF GRADUATE MATHEMATICS.
- MATH 6315 SPECIAL PROBLEMS IN TEACHING MATHEMATICS
A CRITICAL ANALYSIS OF ISSUES, TRENDS, AND HISTORICAL DEVELOPMENTS IN SECONDARY MATHEMATICS TEACHING WITH EMPHASIS ON THE AREAS OF CURRICULUM AND METHODOLOGY.
- MATH 6339 ADVANCED TOPICS IN PROBABILITY AND STATISTICS
DESIGN OF EXPERIMENTS, MULTIVARIATE ANALYSIS, ANALYSIS OF VARIANCE AND MULTIPLE REGRESSION.
PREREQUISITE: MATH 5340.
- MATH 6351 MODERN ALGEBRA I
INCLUDES POLYNOMIAL RINGS, IDEAL AND QUOTIENT RINGS, DETERMINANTS, MATRIX ALGEBRA AND LINEAR TRANSFORMATIONS.
PREREQUISITE: MATH 5345 AND 5351.
- MATH 6357 REAL ANALYSIS I
TOPICS COVERED ARE LIMITS, CONTINUITY, DIFFERENTIABILITY, APPROXIMATION AND CONVERGENCE OF REAL FUNCTIONS.

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PREREQUISITE: MATH 5357 OR ITS EQUIVALENT.

MATH 6360 TOPOLOGY I
INCLUDES METRIC SPACES, NETS AND FILTERS, COMPACT SPACES AND
COMPACTIFICATIONS, FUNCTION SPACES AND HOMOTOPHY.
PREREQUISITE: MATH 5360.

MATH 6364 ADVANCED TOPICS IN PURE MATHEMATICS
TOPICS MAY BE CHOSEN FROM THE FIELDS OF ALGEBRA, ANALYSIS, LOGIC,
NUMBER THEORY, SET THEORY, AND TOPOLOGY. MAY BE REPEATED FOR CREDIT IF
TOPIC IS DIFFERENT.
PREREQUISITE: MATH 5345 AND CONSENT OF INSTRUCTOR.

MATH 6375 COMPLEX ANALYSIS I
ALGEBRA AND GEOMETRY OF COMPLEX NUMBERS; ELEMENTARY FUNCTIONS AND THEIR
MAPPINGS. ANALYTIC FUNCTIONS; INTEGRATION IN THE COMPLEX PLANE; CUCHY'S
INTEGRAL THEOREM AND RELATED THEOREMS. REPRESENTATION THEOREMS
INCLUDING TAYLOR AND LOURENT EXPANSIONS. CALCULUS OF RESIDUES.
PREREQUISITE: MATH 5345 OR EQUIVALENT.

MATH 6379 ADVANCED TOPICS IN APPLIED MATHEMATICS
TOPICS WILL BE CHOSEN FROM COMPLEX VARIABLES, INTEGRAL TRANSFORMS,
MATHEMATICAL MODELING, OPTIMIZATION, PROBABILITY AND STATISTICS,
DIFFERENTIAL EQUATIONS, COMBINATORIAL ANALYSIS, CONTROL THEORY, AND
BOUNDARY VALUE PROBLEMS. MAY BE REPEATED FOR CREDIT WHEN TOPIC IS
DIFFERENT.
PREREQUISITE: MATH 5345 AND CONSENT OF INSTRUCTOR.

MATH 6468 NUMERICAL ANALYSIS I
DIFFERENCE TABLES, NEWTON-COTES NUMERICAL INTEGRATION FORMULAE, LAGRANGE
INTERPOLATION, NUMERICAL DIFFERENTIATION, GAUSSIAN QUADRATURE,
APPROXIMATIONS WITH FINITE FOURIER SERIES, LEAST-SQUARES APPROXIMATIONS,
PICARD'S METHOD, EULER'S METHOD, TAYLOR'S SERIES, RUNGE-KUTTA METHODS,
MILNE METHOD, ADAMS-BASHFORTH METHOD, NUMERICAL SOLUTIONS OF PARTIAL
DIFFERENTIAL EQUATIONS.
PREREQUISITE: MATH 5468.

MATH 7300 THESIS

MATH 7301 THESIS

MUS APPLIED MUSIC
PRIVATE INSTRUCTION IN THE CONCENTRATION OF THE STUDENT'S MAJOR AREA.
CREDIT IS EARNED ON THE BASIS OF ONE-HALF HOUR LESSON AND ONE HOUR
MINIMUM DAILY PRACTICE FOR ONE OR TWO SEMESTER HOUR CREDITS, OR TWO
HALF-HOUR LESSONS PER WEEK AND TWO HOURS MINIMUM DAILY PRACTICE FOR
FOUR SEMESTER HOURS CREDIT. APPLIED MUSIC FEE: ONE OR TWO SEMESTER
HOUR COURSE, \$20.00; FOUR SEMESTER HOUR COURSE, \$35.00.

MUS 1101 TO 4102 BAND
INSTRUMENTAL MUSIC ORGANIZATION OPEN TO ALL UNIVERSITY STUDENTS.
CONCERTS ON AND OFF THE CAMPUS, AND OTHER PERFORMANCES ON
BEHALF OF THE UNIVERSITY AND THE RIO GRANDE VALLEY.

MUS 1103 TO 4104 UNIVERSITY CHOIR
VOCAL MUSIC ORGANIZATION OPEN BY AUDITION TO ALL UNIVERSITY STUDENTS.
CONCERTS ON AND OFF THE CAMPUS.

MUS 1105 TO 4106 SYMPHONY ORCHESTRA.
INSTRUMENTAL MUSIC ORGANIZATION OPEN TO ALL UNIVERSITY STUDENTS WHO
PLAY APPROPRIATE INSTRUMENTS. CONCERTS ON AND OFF THE CAMPUS.

MUS 1107 TO 4108 STAGE BAND

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AN INSTRUMENTAL MUSIC ORGANIZATION OPEN TO ALL COLLEGE STUDENTS WHO HAVE AN ABILITY TO PLAY AN APPROPRIATE INSTRUMENT. MEMBERSHIP IS DETERMINED BY AUDITION. ORGANIZATION REHEARSES AND PERFORMS POPULAR, ROCK, AND JAZZ MUSIC FOR ITS OWN MUSICAL DEVELOPMENT AND TO SATISFY REQUEST ON AND OFF THE CAMPUS.

- MUS 1109 TO 4110 UNIVERSITY CHORUS.
VOCAL MUSIC ORGANIZATION OPEN TO ALL UNIVERSITY STUDENTS WHO DESIRE TO PARTICIPATE IN SUCH AN ENSEMBLE. NO AUDITION REQUIRED.
- MUS 1111 TO 4114 CHAMBER MUSIC.
SMALL PERFORMING ENSEMBLES OF VOICES AND/OR INSTRUMENTS. PERFORMANCE LITERATURE SELECTED FROM REPERTOIRE APPROPRIATE TO EACH ENSEMBLE.
- MUS 1121 CLASS PIANO.
PIANO INSTRUCTION FOR STUDENTS WHO HAVE NO PREVIOUS TRAINING IN PIANO. MAY BE USED TO SATISFY THE MINIMUM PIANO REQUIREMENTS FOR NON-PIANIST MUSIC MAJORS.
- MUS 1122 CLASS PIANO.
PIANO INSTRUCTION FOR STUDENTS WHO HAVE HAD 1121 OR EQUIVALENT MAY BE USED TO SATISFY THE MINIMUM PIANO REQUIREMENTS FOR NON-PIANIST MUSIC MAJORS.
- MUS 1123 CLASS VOICE.
VOCAL INSTRUCTION FOR STUDENTS WHO HAVE NO PREVIOUS TRAINING IN VOICE. MAY BE USED TO SATISFY THE VOICE REQUIREMENTS FOR NON-VOCAL MAJORS.
- MUS 1124 CLASS VOICE.
VOCAL INSTRUCTION FOR STUDENTS WHO HAVE NO PREVIOUS TRAINING IN VOICE. MAY BE USED TO SATISFY THE VOICE REQUIREMENTS FOR NON-VOCAL MAJORS.
- MUS 1129 TO 4130 OPERA WORKSHOP.
PREPARATION AND PRODUCTION OF MUSICAL STAGE WORKS INCLUDING OPERA, ORATORIO, CANTATA, OPERETTA AND MUSICAL COMEDY. OPEN TO ALL STUDENTS WISHING TO PARTICIPATE IN EITHER ON-STAGE OR OFF-STAGE MUSICAL THEATRE ACTIVITIES.
- MUS 1131 TO 4232 APPLIED PIANO.
- MUS 1133 TO 4234 APPLIED VOICE.
- MUS 1135 TO 4236 APPLIED PERCUSSION.
- MUS 1137 TO 4238 APPLIED ORGAN.
- MUS 1139 TO 4140 MEN'S VOCAL ENSEMBLE
A SMALL MEN'S VOCAL GROUP SELECTED BY AUDITION TO PERFORM REPRETOIRE FOR THIS GROUP. ACTIVITIES INCLUDE PERFORMANCES AS REQUESTED AND NEEDED BY SCHOOL AND NON-SCHOOL GROUPS.
- MUS 1141 TO 4242 APPLIED TRUMPET.
- MUS 1143 TO 4244 APPLIED FRENCH HORN.
- MUS 1145 TO 4246 APPLIED TROMBONE.
- MUS 1147 TO 4248 APPLIED BARTONE HORN.

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MUS 1149 TO 4250 APPLIED TUBA.

MUS 1161 TO 4262 APPLIED VIOLIN.

MUS 1163 TO 4264 APPLIED VIOLA.

MUS 1165 TO 4266 APPLIED VIOLONCELLO.

MUS 1167 TO 4268 APPLIED STRING BASS.

MUS 1171 TO 4272 APPLIED FLUTE.

MUS 1173 TO 4274 APPLIED OBOE.

MUS 1175 TO 4276 APPLIED CLARINET.

MUS 1177 TO 4278 APPLIED SAXOPHONE.

MUS 1179 TO 4280 APPLIED BASSOON.

MUS 1201 MUSIC LITERATURE.
SURVEY OF THE LITERATURE OF MUSIC FOR ALL MEDIA FROM EARLIEST AVAILABLE GREEK MUSIC TO CONTEMPORARY WORKS. THE DEVELOPMENT OF MUSIC IN RELATION TO SIMULTANEOUS HISTORICAL DEVELOPMENTS.

MUS 1202 MUSIC LITERATURE.
SURVEY OF THE LITERATURE OF MUSIC FOR ALL MEDIA FROM EARLIEST AVAILABLE GREEK MUSIC TO CONTEMPORARY WORKS. THE DEVELOPMENT OF MUSIC IN RELATION TO SIMULTANEOUS HISTORICAL DEVELOPMENTS.

MUS 1401 FIRST YEAR MUSIC THEORY.
INTERVALS, SCALES, CHORD STRUCTURES, CHORD PROGRESSIONS, SIMPLE CADENCES, USES OF INVERSIONS, NONHARMONIC TONES, SEVENTH CHORDS, SIMPLE MODULATIONS AND HARMONIZATION OF MELODIES. PART-WRITING, MUSIC READING, AURAL AND KEYBOARD SKILLS.
PREREQUISITE: ONE UNIT OF MUSIC IN HIGH SCHOOL OR PLACEMENT EXAM.

MUS 1402 FIRST YEAR MUSIC THEORY.
INTERVALS, SCALES, CHORD STRUCTURES, CHORD PROGRESSIONS, SIMPLE CADENCES, USES OF INVERSIONS, NONHARMONIC TONES, SEVENTH CHORDS, SIMPLE MODULATIONS AND HARMONIZATION OF MELODIES. PART-WRITING, MUSIC READING, AURAL AND KEYBOARD SKILLS.
PREREQUISITE: ONE UNIT OF MUSIC IN HIGH SCHOOL, MUS 1401, OR PLACEMENT EXAM.

MUS 1431 TO 4432 APPLIED PIANO

MUS 1433 TO 4434 APPLIED VOICE

MUS 1435 TO 4436 APPLIED PERCUSSION

MUS 1437 TO 4438 APPLIED ORGAN

MUS 1441 TO 4442 APPLIED TRUMPET

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- MUS 1443 TO 4444 APPLIED FRENCH HORN
- MUS 1445 TO 4446 APPLIED TROMBONE
- MUS 1447 TO 4448 APPLIED BARITONE HORN
- MUS 1449 TO 4450 APPLIED TUBA
- MUS 1461 TO 4462 APPLIED VIOLIN
- MUS 1463 TO 4464 APPLIED VIOLA
- MUS 1465 TO 4466 APPLIED VIOLONCELLO
- MUS 1467 TO 4468 APPLIED STRING BASS
- MUS 1469 TO 4470 APPLIED GUITAR
- MUS 1471 TO 4472 APPLIED FLUTE
- MUS 1473 TO 4474 APPLIED OBOE
- MUS 1475 TO 4476 APPLIED CLARINET
- MUS 1477 TO 4478 APPLIED SAXOPHONE
- MUS 1479 TO 4480 APPLIED BASSOON
- MUS 2121 VOCAL METHODS AND MATERIALS.
METHODS AND MATERIALS FOR TEACHING VOCAL SOLOISTS AND VOCAL GROUPS.
- MUS 2122 PERCUSSION METHODS AND MATERIALS.
METHODS AND MATERIALS FOR TEACHING PLAYERS OF PERCUSSION INSTRUMENTS.
- MUS 2123 BRASS METHODS AND MATERIALS.
METHODS AND MATERIALS FOR TEACHING PLAYERS OF BRASS INSTRUMENTS.
- MUS 2124 WOODWIND METHODS AND MATERIALS.
METHODS AND MATERIALS FOR THE TEACHING OF PLAYERS OF WOODWIND INSTRUMENTS.
- MUS 2125 STRING METHODS AND MATERIALS.
METHODS AND MATERIALS FOR TEACHING PLAYERS OF STRING INSTRUMENTS.
- MUS 2307 MUSIC APPRECIATION.
AN INTRODUCTORY COURSE IN THE ELEMENTS, FORMS AND STYLISTIC ERAS IN MUSIC. DESIGNED FOR NON-MUSIC MAJORS AND MINORS.
- MUS 2387 MUSIC APPRECIATION (HONORS PLAN).
AN INTRODUCTORY COURSE IN THE ELEMENTS, FORMS AND STYLISTIC ERAS IN MUSIC.
PREREQUISITE: ADMISSION TO HONORS STUDIES OR BY INVITATION.

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- MUS 2401 SECOND YEAR MUSIC THEORY.
CONTINUATION OF MUSIC 1401, 1402, HARMONIZATION OF MELODIES, USING DIATONIC AND ALTERED TRIADS AND SEVENTH CHORDS, NONHARMONIC TONES AND MODULATIONS. CONTINUED MUSIC READING, AURAL AND KEYBOARD SKILLS.
PREREQUISITES: MUSIC 1402 WITH A GRADE OF C OR PLACEMENT EXAM.
- MUS 2402 SECOND YEAR MUSIC THEORY.
CONTINUATION OF MUSIC 2401.
PREREQUISITE: MUSIC 2401, OR PLACEMENT EXAM.
- MUS 3211 CONDUCTING.
STUDY OF BATON TECHNIQUES AS RELATED TO BOTH INSTRUMENTAL AND CHORAL CONDUCTING, FUNDAMENTAL PHRASING, BALANCE, MOOD AND ATTACK AND RELEASE TECHNIQUE.
- MUS 3301 HISTORY OF MUSIC.
ADVANCED STUDY OF THE EVOLUTION OF THE MUSICAL ART FROM ITS BEGINNINGS THROUGH THE BAROQUE ERA.
PREREQUISITE: JUNIOR STANDING.
- MUS 3302 HISTORY OF MUSIC.
CONTINUATION OF MUSIC 3301.
PREREQUISITE: MUSIC 3301.
- MUS 3305 COUNTERPOINT.
17TH AND 18TH CENTURY COUNTERPOINT IN ALL SPECIES AND ITS APPLICATION IN ARRANGING FOR TWO, THREE AND FOUR VOICES.
PREREQUISITE: MUSIC 2401, 2402.
- MUS 3311 ELEMENTARY SCHOOL MUSIC.
MATERIALS AND METHODS OF MUSIC INSTRUCTION IN THE ELEMENTARY GRADES. NOTATION, RHYTHMIC READING, SINGING, EAR TRAINING AND AIMS OF ELEMENTARY SCHOOL MUSIC. REQUIRED FOR ELEMENTARY EDUCATION MAJORS.
- MUS 3312 ELEMENTARY SCHOOL MUSIC.
CONTINUATION OF MUSIC 3311, EMPHASIZING TEACHING METHODS AND PROBLEMS RELATED TO CLASS MUSIC INSTRUCTION. SPECIAL EQUIPMENT AND AIDS FOR THE CLASSROOM MUSIC TEACHER, CONDUCTING AND LEADING CLASS SINGING AND ORGANIZING MATERIALS FOR USE IN THE CLASSROOM. REQUIRED FOR MUSIC EDUCATION MAJORS.
- MUS 4201 FORM AND ANALYSIS.
HISTORICAL DEVELOPMENT OF FORM AND CONSIDERATION OF BALANCE, SYMMETRY AND THE PRINCIPLES OF MUSICAL STRUCTURE. ANALYSIS OF PHRASE STRUCTURE, SIMPLE PART FORMS, VARIATION FORMS, CONTRAPUNTAL FORMS. SPECIAL CONSIDERATION OF THE SONATA-ALLEGRO FORM AS FOUND IN THE SYMPHONY, CONCERTO AND SONATA. TWO HOURS PER WEEK.
PREREQUISITES: MUS 2401, 2402.
- MUS 4203 ORCHESTRATION AND ARRANGING.
TECHNIQUES OF SCORING AND EDITING MUSIC FOR BAND, ORCHESTRA AND INSTRUMENTAL ENSEMBLES. RANGES, TIMBRES, VOICINGS AND LIMITATIONS OF THE INSTRUMENTS.
PREREQUISITE: MUSIC 2402.
- MUS 4204 ORCHESTRATION AND ARRANGING.
CONTINUATION OF MUSIC 4203.
- MUS 4205 CHORAL ARRANGING.
TECHNIQUES OF WRITING, ARRANGING AND EDITING CHORAL MUSIC RANGING FROM TWO TO EIGHT PARTS. STRESSING DEVICES SUITABLE FOR CHORAL GROUPS IN THE PUBLIC SCHOOL.

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PREREQUISITE: MUSIC 2402.

- MUS 4207 ADVANCED BAND TECHNIQUES.
BAND ORGANIZATION AND RECRUITING, REHEARSAL PROCEDURES, INSTRUMENTATION, LIBRARY, UNIFORMS, DISCIPLINE, MARCHING, PROGRAM PLANNING AND GENERAL INSTRUMENTAL ADMINISTRATION.
- MUS 4208 ADVANCED CHORAL METHODS
CHORAL ORGANIZATION AND RECRUITING, REHEARSAL PROCEDURES, PROGRAM PLANNING, ADMINISTRATION, VOICE TESTING AND PLACEMENT AND SPECIAL PROBLEMS IN CHORAL CONDUCTING.
- MUS 4301 PHILOSOPHIES OF ART
SEE PHILOSOPHY 4301 FOR COURSE DESCRIPTION. MAY BE COUNTED AS MUSIC OR ART OR PHILOSOPHY.
- MUS 4311 SECONDARY SCHOOL MUSIC
METHODS, MATERIALS, AIMS AND PROCEDURES FOR TEACHING MUSIC IN THE JUNIOR AND SENIOR HIGH SCHOOL. SOME ADVANCED CLASSES WILL BE OFFERED IN ALTERNATE YEARS.
- MUS 5101 TO 5102 BAND
GRADUATE LEVEL WORK IN BAND WILL INCLUDE PERFORMING AT GRADUATE LEVEL ON AN APPROPRIATE INSTRUMENT IN CONCERTS ON AND OFF CAMPUS PLUS RESEARCHING COMPOSERS AND WORKS PERFORMED AND ASSISTING IN PRODUCTION DETAILS. TWO HOUR MAXIMUM APPLICABLE TOWARD A DEGREE.
- MUS 5103 TO 5104 UNIVERSITY CHOIR
GRADUATE LEVEL PARTICIPATION, FOLLOWING QUALIFYING AUDITION, IN SELECT VOCAL ENSEMBLE. GRADUATE STUDENTS WILL ASSUME ADMINISTRATIVE AND LEADERSHIP FUNCTIONS AS SECTION LEADERS AND ASSISTANT CONDUCTORS. RESEARCH AREAS INCLUDE LANGUAGE USAGE AND TRANSLATION, HISTORY OF COMPOSERS AND MUSICAL PERIODS FOR AUTHENTIC PERFORMANCE AND PROGRAM NOTES. TWO HOUR MAXIMUM APPLICATION TOWARD A DEGREE.
- MUS 5105 TO 5106 SYMPHONY ORCHESTRA
GRADUATE LEVEL WORK IN SYMPHONY ORCHESTRA WILL INCLUDE PERFORMING AT GRADUATE LEVEL ON AN APPROPRIATE INSTRUMENT IN CONCERTS ON AND OFF CAMPUS PLUS RESEARCHING COMPOSERS AND WORKS PERFORMED AND ASSISTING IN PRODUCTION DETAILS. TWO HOUR MAXIMUM APPLICABLE TOWARD A DEGREE.
- MUS 5109 TO 5110 UNIVERSITY CHORUS
GRADUATE LEVEL PARTICIPATION IN A LARGE VOCAL MUSIC ORGANIZATION OPEN TO ALL UNIVERSITY STUDENTS. RESEARCH AREAS INCLUDE LANGUAGE USAGE, PRONUNCIATION, AND TRANSLATION, WHERE APPLICABLE, AND THE HISTORY OF COMPOSERS AND THEIR COMPOSITIONS. GRADUATE STUDENTS WILL ASSUME LEADERSHIP FUNCTIONS BOTH MUSICAL AND SUPERVISORY WHERE APPLICABLE. TWO HOURS MAXIMUM APPLICABLE TOWARD A DEGREE.
- MUS 5129 TO 5130 OPERA WORKSHOP
PREPARATION AND PRODUCTION OF MUSICAL STAGE WORKS INCLUDING OPERA, ORATORIO, CANTATA, OPERETTA AND MUSICAL COMEDY. OPEN TO ALL STUDENTS WISHING TO PARTICIPATE IN EITHER ON-STAGE OR OFF-STAGE MUSICAL THEATER ACTIVITIES. GRADUATE STUDENTS WILL ASSUME LEADERSHIP FUNCTIONS DEALING WITH MUSICAL AND THEATRICAL ARTS. TWO HOURS MAXIMUM APPLICABLE TOWARD A DEGREE.
- MUS 5301 ADVANCED MUSIC HISTORY.
THE HISTORY OF THE DEVELOPMENT OF MUSICAL STYLES FROM THE EARLIEST KNOWN MANUSCRIPTS THROUGH THE BAROQUE PERIOD. SPECIAL EMPHASIS ON MUSICAL CHANGES IN RELATION TO CHANGES IN POLITICAL, SOCIOLOGICAL AND OTHER ARTISTIC HISTORY. IN-DEPTH RESEARCH IN AN AREA OF SPECIAL INTERESTS TO THE INDIVIDUAL STUDENT.

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- MUS 5302 ADVANCED MUSIC HISTORY**
CONTINUATION OF MUSIC 5301 COVERING THE DEVELOPMENTS FROM THE BAROQUE PERIOD THROUGH THE TWENTIETH CENTURY. IN-DEPTH RESEARCH IN AN AREA OF SPECIAL INTEREST OF THE INDIVIDUAL STUDENT.
- N ED 1601 FUNDAMENTALS OF NURSING**
THIS COURSE IS PROVIDED AN OPPORTUNITY TO LEARN THE BASIC HUMAN NEEDS, HOW THEY ARE USUALLY MET, AND HOW THE NURSE ASSISTS AN INDIVIDUAL TO MEET HIS NEEDS WHEN THERE ARE MINOR ALTERATIONS IN HIS ABILITY TO DO SO. PRINCIPLES ARE FROM THE BIOLOGICAL, PHYSICAL, SOCIAL AND BEHAVIORAL SCIENCES ARE PRESENTED AND THE STUDENT IS ASSISTED IN LEARNING THE APPLICATION OF THESE PRINCIPLES TO NURSING THROUGH USE OF THE PROBLEM-SOLVING PROCESS. THREE HOURS LECTURE AND NINE HOURS LABORATORY PER WEEK.
PREREQUISITES: BIOL 1401; ENG 1301. LABORATORY FEE \$4.00
- N ED 1702 MATERNAL-CHILD HEALTH**
THIS COURSE IS DESIGNED TO HELP STUDENTS CONTINUE TO DEVELOP NURSING SKILLS UTILIZED IN THE PROMOTION OF HEALTH. THE PRIMARY FOCUS IS UPON THE NEEDS OF THE MOTHER AND CHILD. THREE AND ONE HALF HOURS LECTURE AND TEN AND ONE HALF HOURS LABORATORY PER WEEK.
PREREQUISITE: N.ED. 1601, BIOL. 2403; PSY. 1313. LABORATORY FEE: \$4.00.
- N ED 2603 PSYCHIATRIC NURSING**
THIS COURSE PRESENTS THE PSYCHODYNAMICS OF HUMAN BEHAVIOR AND ADJUSTMENT. THE STUDENT IS GIVEN AN OPPORTUNITY TO LEARN AND PRACTICE A VARIETY OF COMMUNICATION SKILLS WITH PATIENTS WHO ARE MENTALLY ILL AND PHYSICALLY ILL. THE THERAPEUTIC ROLE OF THE NURSE AND THE DEVELOPMENT OF INTRAPERSONAL AND INTERPERSONAL RELATIONSHIPS ARE EMPHASIZED. SELECTED MENTAL HEALTH CONCEPTS, APPLICATION OF NURSING SKILLS, AND REHABILITATION OF THE PATIENT ARE INCLUDED IN THIS COURSE. THREE HOURS LECTURE, NINE HOURS LABORATORY PER WEEK.
PREREQUISITE: N ED 1702, PSY 2335. LABORATORY FEE: \$4.00.
- N ED 2605 PSYCHIATRIC NURSING**
THIS COURSE PRESENTS THE PSYCHODYNAMICS OF HUMAN BEHAVIOR AND ADJUSTMENT. THE STUDENT IS GIVEN AN OPPORTUNITY TO LEARN AND PRACTICE A VARIETY OF COMMUNICATIONS SKILLS WITH PATIENTS WHO ARE MENTALLY ILL. THE THERAPEUTIC ROLE OF THE NURSE AND THE DEVELOPMENT OF INTRAPERSONAL AND INTERPERSONAL RELATIONSHIPS ARE EMPHASIZED. SELECTED MENTAL HEALTH CONCEPTS AND THE REHABILITATION OF THE MENTALLY ILL ARE INCLUDED IN THIS COURSE. EIGHT HOURS OF LECTURE, TWENTY-FOUR HOURS LABORATORY PER WEEK.
PREREQUISITES: N ED 1702; PSY 2335.
LABORATORY FEE IS \$4.00.
- N ED 2804 SURGICAL NURSING I.**
THE FIRST PORTION OF THIS COURSE IS DEVOTED TO THE MEDICAL EXPLORATION OF THE NORMAL BODY RESPONSES TO ILLNESS AND THEIR EFFECTS ON INDIVIDUALS FROM THE BIRTH THROUGH SENESCENCE. OPPORTUNITY IS PROVIDED FOR THE STUDENT TO LEARN THE ROLE OF THE NURSE IN THE ALTERATION OF THESE RESPONSES. THE SECOND PORTION OF THE COURSE IS FOCUSED UPON THE NURSING CARE OF PATIENTS OF ALL AGES WHO HAVE A MAJOR PROBLEM IN MEETING A SPECIFIC NEED DUE TO ILLNESS. FOURS HOURS LECTURE AND TWELVE HOURS LABORATORY PER WEEK.
PREREQUISITE: N ED 1702, MATH 1300, ENG 1210. LABORATORY FEE: \$5.00.
- N ED 2905 MEDICAL-SURGICAL NURSING II**
IN THIS COURSE THE STUDENT IS PROVIDED WITH THE OPPORTUNITY TO CONTINUE TO EXPLORE THE ROLE OF THE NURSE IN ASSISTING THE INDIVIDUAL OF ALL AGES TO MEET HIS BASIC NEEDS WHEN HIS ABILITY TO DO SO IS IMPAIRED AS A RESULT OF ILLNESS AND/OR ACCIDENT. REHABILITATION FOLLOWING ILLNESS AND/OR ACCIDENT IS EXPLORED. THE PRINCIPLE OF THE BASIC SCIENCES AS THEY RELATE TO SPECIFIC DISEASES ENTITIES ARE EMPHASIZED THROUGHOUT THE COURSE. COLLEGE LECTURE IS IMPLEMENTED BY SELECTED OPPORTUNITIES FOR THE STUDENT TO CARE FOR PATIENTS OF ALL AGES. FOUR AND ONE HALF HOURS LECTURE AND THIRTEEN AND ONE HALF HOURS LABORATORY.

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PREREQUISITES: N ED 2804; ENG 2309; PSY 2336. LABORATORY FEE IS \$6.00.

N ED 3301 HEALTH CARE DELIVERY SYSTEM
A STUDY OF THE SCIENTIFIC AND SOCIAL FACTORS WHICH BROUGHT ABOUT THE EVOLUTION OF THE PRESENT HEALTH CARE DELIVERY SYSTEM. A STUDY OF CURRENT ISSUES AND FUTURE TRENDS. STUDENTS WILL UTILIZE BIOSTATISTICS, POPULATION STUDIES AND OTHER METHODS OF DETERMINING COMMUNITY NEEDS ESSENTIAL IN HEALTH PLANNING. THREE HOURS LECTURE. OPEN TO NON-MAJORS.
PREREQUISITE: ADVANCED STANDING OR PERMISSION OF INSTRUCTORS.

N ED 3302 PHILOSOPHY OF NURSING
THE ROLE OF NURSING IN THE TOTAL HEALTH CARE DELIVERY SYSTEM. THE FOCUS WILL BE ON PROBLEMS, NEEDS AND ISSUES IN NURSING SERVICE AND EDUCATION. THE DYNAMICS OF CHANGE WILL BE STUDIED. THE STUDENT WILL DEVELOP A PHILOSOPHY OF NURSING AND OBJECTIVES FOR NURSING CARE UTILIZING HER PRACTICE SETTING. THREE HOURS LECTURE.
PREREQUISITE: TWENTY SEMESTER HOURS OF NURSING.

N ED 3303 NURSING PROCESS I: PLANNING CLIENT CARE
IDENTIFIES THE COMPONENTS OF THE NURSING PROCESS IN PLANNING NURSING CARE. ESSENTIAL CONTENT WILL INCLUDE NURSING HISTORIES, BEHAVIORAL OBJECTIVES AND EVALUATION TECHNIQUES. THE STUDENT WILL UTILIZE HER OWN PRACTICE SETTING TO DEVELOP AND EVALUATE NURSING CARE PLANS. THREE HOURS LECTURE.
PREREQUISITE OR COREQUISITE: N ED 3302.

N ED 3305 NURSING PROCESS III: NURSING STUDIES
FOCUSSES ON THE TECHNIQUES FOR STUDY OF PROBLEMS IN NURSING PRACTICE. FACULTY AND STUDENTS WILL COLLABORATE TO DEFINE THE SCOPE OF EACH STUDY. THE STUDENT WILL COMPLETE THE DEFINITION OF THE PROBLEMS AND THE METHODOLOGY IN THIS COURSE. COLLECTION OF DATA WILL BE REQUIRED IN N ED 4606 AND EVALUATION WILL BE A REQUIREMENT ON N ED 4607. THREE HOURS LECTURE.
PREREQUISITE: N ED 3301, N ED 3302, N ED 3303 AND MATH 1313 OR SOC 2301.

N ED 3404 NURSING PROCESS II: PHYSICAL ASSESSMENT
APPLIES SOCIAL AND BEHAVIORAL CONCEPTS CONJOINTLY WITH NORMAL PHYSIOLOGY IN ASSESSING THE HEALTH STATUS OF CLIENTS. THE STUDENT WILL UTILIZE PRIMARY CARE PRACTICE SETTING TO DEVELOP SKILL IN RECOGNITION OF AND INTERVENTION IN HEALTH PROBLEMS OF CLIENTS. TWO HOURS LECTURE. SIX HOURS LABORATORY.
PREREQUISITE: N ED 3301, N ED 3302, N ED 3303, BIOL 34** AND ADMISSION TO THE BACCALAUREATE NURSING PROGRAM. LABORATORY FEE: \$6.00.

N ED 4308 NURSING SEMINAR
NURSING ELECTIVE TO BE DEVELOPED IN SPECIALIZED AREAS. CONTENT WILL BE DETERMINED IN STUDENT NEEDS. REGISTRATION MAY BE REPEATED WHEN SEMINAR CONTENT IS DIFFERENT.
PREREQUISITE: N ED 3303.

N ED 4606 NURSING PROCESS IV: CLINICAL SPECIALTY
PROVIDES INDEPTH STUDY OF THE STUDENT'S AREA OF CLINICAL SPECIALTY. THE STUDENT WILL BE AN ACTIVE PARTICIPANT IN THE CONTINUUM OF CARE FROM PREHOSPITALIZATION THROUGH HOSPITALIZATION AND REHABILITATION. THE COLLECTION OF DATA FOR THE STUDY BEGUN IN N ED 3305 WILL BE REQUIREMENT OF THIS COURSE. THREE HOURS LECTURE. NINE HOURS OF LABORATORY.
PREREQUISITE: N ED 3305. LABORATORY FEE: \$6.00.

N ED 4607 NURSING PROCESS V: LEADERSHIP IN NURSING
WILL UTILIZE THE NURSING PROCESS TO DEVELOP A SYSTEM OF MANAGING BY OBJECTIVES. AREAS OF CONTENT WILL INCLUDE THE PROBLEM ORIENTED MEDICAL RECORD, NURSING AUDIT, PEER REVIEW, AND QUALITY ASSURANCE PROGRAM. THE STUDENT WILL PARTICIPATE IN STAFF DEVELOPMENT AND PERSONNEL MANAGEMENT. THE NURSING STUDY BEGUN IN N ED 3305 AND CONTINUED IN N ED 4606 WILL BE COMPLETED IN THIS COURSE WITH THE PRESENTATION AND EVALUATION OF THE RESULTS. LECTURE THREE HOURS. LABORATORY NINE HOURS.

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PREREQUISITE: N ED 4606 AND B A 3361.

- O A 1201 ELEMENTARY TYPING. (FALL, SPRING, SUMMER)
FOR THOSE WHO HAVE NOT HAD PREVIOUS TRAINING IN TYPING. THE CORRECT USE OF THE TYPEWRITER, DEVELOPMENT OF SKILL, PROFICIENCY IN THE USE OF NUMBERS AND SYMBOLS, AND THE STUDY OF LETTERS AND TABULATION ARE STRESSED. CLASS MEETS THREE HOURS PER WEEK. \$2.00 LABORATORY FEE. MAY NOT BE COUNTED FOR MAJOR OR MINOR CREDIT IN BUSINESS ADMINISTRATION.
- O A 1202 INTERMEDIATE TYPING. (FALL, SPRING, SUMMER)
FOR THOSE WHO HAVE HAD ONE YEAR OF HIGH SCHOOL TYPING AND WISH TO BECOME MORE PROFICIENT IN THE USE OF THE TYPEWRITER. EMPHASIS ON SPEED DEVELOPMENT, BUSINESS LETTERS, TABULATION AND OFFICE FORMS.
PREREQUISITE: O.A. 1201 OR THE EQUIVALENT. CLASS MEETS THREE HOURS PER WEEK. \$2.00 LABORATORY FEE.
- O A 1203 ADVANCED TYPING. (FALL, SPRING, SUMMER)
FOR THOSE WHO WANT TO GAIN SPEED AND A KNOWLEDGE OF BUSINESS FORMS. A GREAT DEAL OF REMEDIAL WORK IS DONE FOR THOSE WHO HAVE DEVELOPED INCORRECT HABITS AT THE MACHINE. LETTER FORMS, MANUSCRIPT WORK, FOOTNOTES, LEGAL DOCUMENTS, PAYROLLS TELEGRAMS, CARBON COPIES AND RELATED OFFICE PROBLEMS.
PREREQUISITE: O.A. 1202 OR EQUIVALENT. CLASS MEETS THREE HOURS PER WEEK. \$2.00 LABORATORY FEE.
- O A 1305 ELEMENTARY SHORTHAND. (FALL, SPRING, SUMMER)
FOR STUDENTS WHO DESIRE A MASTERY OF THE PRINCIPLES OF GREGG SHORTHAND. THE WRITING OF SHORTHAND, INTENSIVE VOCABULARY BUILDING, ELEMENTARY DICTATION AND TRANSCRIPTION. MAY NOT BE COUNTED FOR MAJOR OR MINOR CREDIT IN BUSINESS ADMINISTRATION.
- O A 1306 INTERMEDIATE SHORTHAND. (FALL, SPRING)
A CONTINUATION OF O.A. 1305. REVIEW OF THE PRINCIPLES OF GREGG SHORTHAND, VOCABULARY BUILDING, DICTATION AND TRANSCRIPTION. A STUDENT SHOULD BE ABLE TO ACQUIRE A DICTATION SPEED OF 80-100 WORDS PER MINUTE BY THE END OF THIS SEMESTER.
PREREQUISITES: O.A. 1305 OR EQUIVALENT AND CREDIT FOR OR CONCURRENT ENROLLMENT IN O.A. 1202.
- O A 1307 ADVANCED SHORTHAND. (SPRING)
ENABLES THE STUDENT TO ACQUIRE SPEED IN DICTATION AND TRANSCRIPTION AND TO ACQUAINT HIM WITH ACCEPTABLE FORMS OF BUSINESS LETTERS. A STUDENT SHOULD BE ABLE TO ACQUIRE A DICTATION SPEED OF APPROXIMATELY 120 WORDS PER MINUTE BY THE CLOSE OF THE SEMESTER.
PREREQUISITE: O.A. 1306 OR EQUIVALENT.
- O A 2308 SECRETARIAL TRAINING. (SPRING)
SECRETARIAL PROCEDURES PERFORMED IN BUSINESS OFFICES. PERSONAL RELATIONS, BUSINESS ETIQUETTE, HANDLING OF MAIL AND TELEGRAMS, USING THE TELEPHONE, FILING, BANKING PROCEDURES, USING DIRECTORIES, INTERVIEWING CALLERS, OFFICE EQUIPMENT, KEEPING OFFICE RECORDS AND MINUTES OF MEETINGS.
PREREQUISITES: O.A. 1202 OR EQUIVALENT AND SOPHOMORE STANDING.
- O A 3312 ADMINISTRATIVE OFFICE MANAGEMENT. (FALL, SPRING)
THE MANAGEMENT FUNCTIONS OF PLANNING, ORGANIZING, ACTUATING AND CONTROLLING IN A FACILITATING ADMINISTRATIVE SYSTEM ARE APPLIED TO CASE PROBLEMS IN OFFICE ADMINISTRATION. PRINCIPLES OF INTERNAL ORGANIZATION, MOTIVATIONAL THEORIES AND INFORMATIONAL TECHNOLOGY ARE STUDIED THROUGH THE MEDIUM OF ROLE PLAYING, PANELS AND CRITIQUES, AS WELL AS THE DISCUSSION TECHNIQUE. PERTINENT RESEARCH APPLICABLE TO THE FIELD OF OFFICE MANAGEMENT IS ALSO STUDIED.
- P E 1100 BEGINNING SWIMMING

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- P E 1101 FITNESS AND MOTOR DEVELOPMENT
REQUIRED OF ALL FRESHMEN MEN.
- P E 1103 ADAPTIVE PHYSICAL EDUCATION
REQUIRED OF ALL STUDENTS WHO DO NOT QUALIFY MEDICALLY FOR REGULAR
ACTIVITY COURSES. COURSES MAY BE TAKEN INDEPENDENTLY.
- P E 1104 ADAPTIVE PHYSICAL EDUCATION
REQUIRED OF ALL STUDENTS WHO DO NOT QUALIFY MEDICALLY FOR REGULAR
ACTIVITY COURSES. COURSES MAY BE TAKEN INDEPENDENTLY.
- P E 1150 SPEEDBALL-SOCCER
- P E 1153 SOCCER/SPEEDBALL AND FIELD HOCKEY
- P E 1155 SOFTBALL
- P E 1351 INTRODUCTION TO HEALTH, PHYSICAL EDUCATION AND RECREATION.
ORIENTATION TO THE FIELD OF HEALTH, PHYSICAL EDUCATION AND RECREATION,
ITS SCOPE, ORGANIZATION OF PROFESSIONAL ACTIVITIES, VOCATIONAL
OPPORTUNITIES AND PROFESSIONAL QUALIFICATIONS.
- P E 2101 FLAG FOOTBALL
\$3.00 FEE.
- P E 2102 VOLLEYBALL
\$3.00 FEE.
- P E 2103 BADMINTON
\$6.00 FEE.
- P E 2104 BEGINNING TENNIS
\$6.00 FEE.
- P E 2105 WRESTLING
\$3.00 FEE.
- P E 2106 WEIGHT TRAINING
\$5.00 FEE.
- P E 2107 TRACK AND FIELD
- P E 2108 BEGINNING GYMNASTICS
\$3.00 FEE.
- P E 2109 ADAPTIVE PHYSICAL EDUCATION
REQUIRED OF ALL STUDENTS WHO DO NOT QUALIFY MEDICALLY FOR REGULAR
ACTIVITY COURSES. COURSES MAY BE TAKEN INDEPENDENTLY.
- P E 2110 ADAPTIVE PHYSICAL EDUCATION
REQUIRED OF ALL STUDENTS WHO DO NOT QUALIFY MEDICALLY FOR REGULAR
ACTIVITY COURSES. COURSES MAY BE TAKEN INDEPENDENTLY.
- P E 2114 RULES AND OFFICIATING OF FOOTBALL AND BASKETBALL.
THE TECHNIQUES OF OFFICIATING, STUDY OF THE NATIONAL FEDERATION RULES,
LABORATORY EXPERIENCE REQUIRED.

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- P E 2115 RULES AND OFFICIATING OF BASEBALL, TRACK AND FIELD AND TENNIS
THE TECHNIQUES OF OFFICIATING, STUDY OF THE NATIONAL FEDERATION RULES,
LABORATORY EXPERIENCE REQUIRED.
- P E 2116 RULES AND OFFICIATING OF TEAM SPORTS
THE TECHNIQUES OF OFFICIATING STUDY OF DGWS RULES, LABORATORY EXPERIENCE
REQUIRED.
- P E 2117 RULES AND OFFICIATING OF INDIVIDUAL SPORTS
THE TEACHING OF OFFICIATING, STUDY OF DGWS RULES, LABORATORY EXPERIENCE
REQUIRED.
- P E 2121 BASKETBALL
\$3.00 FEE.
- P E 2125 FOLK AND SQUARE DANCE
\$3.00 FEE.
- P E 2126 BEGINNING MODERN DANCE
\$3.00 FEE.
- P E 2128 ADVANCED MODERN DANCE
\$3.00 FEE.
- P E 2152 ADVANCED SWIMMING
- P E 2153 SOCIAL DANCE
- P E 2156 ADVANCED TENNIS
\$6.00 FEE.
- P E 2157 GOLF
\$6.00 FEE.
- P E 2158 ARCHERY
\$8.00 FEE.
- P E 2159 BOWLING
\$15.00 FEE.
- P E 2164 FENCING
\$5.00 FEE.
- P E 2173 ADVANCED GYMNASTICS
\$3.00 FEE.
- P E 2180 SENIOR LIFE SAVING
\$5.00 FEE.
- P E 2181 WATER SAFETY INSTRUCTION
PREREQUISITE: P E 2180 OR CURRENT SENIOR LIFE SAVING CERTIFICATE.
\$5.00 FEE.
- P E 2182 SKIN AND SCUBA DIVING
TO ACQUAINT THE STUDENT WITH THE BASIC SCIENTIFIC PRINCIPLES RELATED TO
SKIN AND SCUBA DIVING; TO ENSURE THAT THE STUDENT HAS THE BASIC
QUALIFICATIONS TO OPERATE NEAR, IN OR UNDER WATER. CERTIFICATION AS A
SCUBA DIVER BY THE NATIONAL ASSOCIATION OF UNDERWATER INSTRUCTOR WILL BE

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AVAILABLE:

PREREQUISITE: P E 2152 OR 2180 OR EQUIVALENT TRAINING. \$10.00 FEE.

P E 2191 HORSEMANSHIP
\$99.00.

P E 2354 KINESIOLOGY.
A STUDY OF THE STRUCTURAL AND MECHANICAL FACTORS WHICH INTERACT WITH HUMAN MOVEMENT.
PREREQUISITE: BIOL. 1401, 2403.

P E 3300 THEORY OF COACHING FOOTBALL (MEN).
A STUDY AND PARTICIPATION IN THE FUNDAMENTALS AND TECHNIQUES, RULES AND STRATEGIES OF FOOTBALL.

P E 3302 TEACHING INDIVIDUAL SPORTS (MEN).
THE CURRENT THEORIES AND PRACTICES IN TEACHING TENNIS, BADMINTON AND GOLF.
PREREQUISITES: P.E. 2104, 2103, 2157 OR DEMONSTRATED PROFICIENCY.

P E 3303 THEORY OF COACHING BASKETBALL (MEN).
A STUDY AND PARTICIPATION IN THE FUNDAMENTALS, TECHNIQUES, RULES AND STRATEGIES OF BASKETBALL.

P E 3304 THEORY OF COACHING BASEBALL AND TRACK (MEN).
A STUDY INVOLVING THE USE OF THEORY IN THE ANALYSIS AND INTERPRETATION OF COACHING TECHNIQUES AND FUNDAMENTALS IN BASEBALL AND TRACK.

P E 3310 TEACHING TEAM SPORTS (WOMEN).
ANALYSIS OF SKILLS AND TECHNIQUES IN TEACHING VOLLEYBALL, BASKETBALL, SOCCER/SPEEDBALL.

P E 3312 TEACHING DANCE ACTIVITIES
ANALYSIS OF SKILL AND TECHNIQUES IN TEACHING SOCIAL, FOLK, SQUARE AND MODERN DANCE.
PREREQUISITES: P.E. 2125, 2126 AND 2153 OR DEMONSTRATED PROFICIENCY.

P E 3313 DANCE FOR CHILDREN
THIS COURSE IS INTENDED TO PROVIDE BOTH THEORY AND PRACTICE IN PLANNING, ORGANIZING AND PRESENTING DANCE ACTIVITIES APPROPRIATE FOR GRADES K-6. SPECIAL EMPHASIS ARE PLACED UPON THE TECHNIQUES OF TEACHING RHYTHM SKILLS, CREATIVE RHYTHMS, SINGING GAMES, AND FOLK DANCES APPROPRIATE FOR CHILDREN ENROLLED IN THE ELEMENTARY SCHOOL.
PREREQUISITES: P E 2125 OR P E 2126. REQUIRED OF ELEMENTARY EDUCATION MAJORS FOR CERTIFICATION IN PHYSICAL EDUCATION.

P E 3317 METHODS OF TEACHING GYMNASTICS IN THE ELEMENTARY SCHOOL.
ANALYSIS OF SKILLS AND TECHNIQUES OF TEACHING GYMNASTICS-RELATED ACTIVITIES TO ELEMENTARY LEVEL STUDENTS. SAFETY PROCEDURES IN THE USE OF PLAYGROUND FACILITIES ARE STRESSED. THIS COURSE IS DESIGNED PRIMARILY FOR ELEMENTARY EDUCATION MAJORS WHO ARE MINORING IN PHYSICAL EDUCATION.

P E 3319 TEACHING TUMBLING AND GYMNASTICS.
ANALYSIS OF SKILLS AND TECHNIQUES IN TEACHING BASIC TUMBLING AND GYMNASTICS.
PREREQUISITES: P.E. 2108 OR DEMONSTRATED PROFICIENCY.

P E 3320 THEORY OF COACHING BASKETBALL AND VOLLEYBALL (WOMEN)
A STUDY INVOLVING THE USE OF THEORY IN THE ANALYSIS AND INTERPRETATION OF COACHING TECHNIQUES AND FUNDAMENTALS IN BASKETBALL AND VOLLEYBALL.

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- P E 3322 TEACHING INDIVIDUAL SPORTS (WOMEN).
ANALYSIS OF SKILLS AND TECHNIQUES IN TEACHING TENNIS, GOLF, ARCHERY
AND BADMINTON.
PREREQUISITES: 2103, 2104, 2157, 2158, OR DEMONSTRATED PROFICIENCY.
- P E 3352 CARE, TREATMENT AND PREVENTION OF ATHLETIC INJURIES.
PREVENTION AND CORRECTION OF ACCIDENTS IN PHYSICAL EDUCATION AND
ATHLETIC ACTIVITIES, THE USE OF PROPER PERSONAL AND FIELD EQUIPMENT,
SUPPORT METHODS, CONDITIONING EXERCISES, THERAPEUTIC AIDS, MEDICAL
EXAMINATIONS AND MASSAGE.
PREREQUISITE: SIX SEMESTER HOURS OF BIOLOGY.
- P E 3353 PHYSIOLOGY OF EXERCISE.
A STUDY OF THE ADAPTATION OF THE BODY TO ACTIVITY WITH SPECIAL
EMPHASIS ON THE GROSS MOVEMENTS OF PHYSICAL EDUCATION. THIS COURSE
WILL INCLUDE AN EXPERIMENTAL LABORATORY EXPERIENCE.
PREREQUISITE: P.E. 2354.
- P E 3356 MOVEMENT EDUCATION.
A PROBLEM SOLVING APPROACH TO THE OPTIMAL DEVELOPMENT OF HUMAN
MOVEMENT. THE UNDERLYING PRINCIPLES, METHODS AND TECHNIQUES OF
MOVEMENT EDUCATION AT THE ELEMENTARY LEVEL ARE PRESENTED.
- P E 3357 PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL.
CURRICULUM CONSTRUCTION, MATERIAL SELECTIONS AND METHODS OF PRESENTING
PHYSICAL EDUCATION ACTIVITIES IN THE ELEMENTARY SCHOOL.
- P E 4351 THE ADAPTED PHYSICAL EDUCATION PROGRAM.
THE SELECTION AND PLANNING OF PHYSICAL EDUCATION FOR STUDENTS WHOSE
ACTIVITY MUST BE ADAPTED DUE TO DEMANDS BY GRAVITY, TRAUMA, INJURY,
CONGENITAL DEFECT, ILLNESS, OR DISEASE.
- P E 4352 THE INTRAMURAL PROGRAM.
THE ORGANIZATION AND ADMINISTRATION OF INTRAMURAL PROGRAMS FOR BOTH BOYS
AND GIRLS.
- P E 4353 RECREATION LEADERSHIP.
THE ORGANIZATION AND ADMINISTRATION OF RECREATION LEADERSHIP IN PUBLIC
AND PRIVATE AGENCIES. OFFERED ALTERNATE YEARS.
- P E 4354 PHYSICAL EDUCATION FOR THE SECONDARY SCHOOLS.
A SURVEY OF ACTIVITIES FOR PROGRAM PLANNING IN JUNIOR AND SENIOR
HIGH SCHOOLS UNIT CONSTRUCTION, LESSON PLANNING, CLASS ORGANIZATION,
SPECIAL PROGRAMS AND SOURCES OF MATERIALS.
- P E 4355 ORGANIZATION AND SUPERVISION OF THE PHYSICAL EDUCATION
PROGRAM.
HISTORY AND PHILOSOPHY, PRINCIPLES, POLICIES OF SUPERVISION, PLANNING
AND ADMINISTERING THE SCHOOL'S INTERSCHOLASTIC PROGRAMS AND A BRIEF
INTRODUCTION TO TEST AND MEASUREMENTS AS EACH RELATES TO PHYSICAL
EDUCATION.
- P E 5351 PHYSICAL EDUCATION CURRICULUM FOR THE HANDICAPPED STUDENT
THE SELECTION AND PLANNING OF PHYSICAL EDUCATION FOR STUDENTS WHOSE
ACTIVITY MUST BE ADAPTED DUE TO DEMANDS IMPOSED BY GRAVITY, TRAUMA,
INJURY, CONGENITAL DEFECT, ILLNESS OR DISEASE. LABORATORY WORK
WITH STUDENTS WILL BE SCHEDULED.
- P E 5355 SUPERVISION AND ADMINISTRATION OF THE PHYSICAL EDUCATION
PROGRAM

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A STUDY OF THE PRINCIPLES AND POLICIES OF SUPERVISING AND ADMINISTARTING THE PHYSICAL EDUCATION PROGRAM IN THE PUBLIC SCHOOLS.

- P E 5356 ORGANIZATION AND ADMINISTRATION OF THE SCHOOL HEALTH PROGRAM
THE ORGANIZATION AND ADMINISTRATION OF THE SCHOOL HEALTH EDUCATION PROGRAM WITH SPECIAL EMPHASIS ON CURRICULUM PROBLEMS IN HEALTH EDUCATION, COMMUNITY AND SCHOOL HEALTH COUNCIL, THE HEALTH SERVICE PROGRAM. A STUDY OF LOCAL, STATE, AND NATIONAL HEALTH AGENCIES AND THEIR USE AND INTERGRATION WITH THE SCHOOL HEALTH PROGRAM.
- P E 5357 HEALTH EDUCATION SEMINAR
FOR ADMINISTRATORS, TEACHERS, NURSES, AND COMMUNITY LEADERS. TOPICAL DISCUSSION AREAS WILL CENTER AROUND THE INTERESTS AND NEEDS OF THE PARTICIPANTS AND THE COMMUNITIES.
- P E 6301 HISTORY AND PHILOSOPHY OF HEALTH AND PHYSICAL EDUCATION
INTRODUCTION TO METHODS AND MATERIALS BASIC TO RESEARCH IN THE FIELD. APPROVED METHODS OF WRITING TERM PAPERS AND RESEARCH PAPERS.
- P E 6302 METHODS OF RESEARCH IN HEALTH AND PHYSICAL EDUCATION
INTRODUCTION TO METHODS AND MATERIALS TO RESEARCH IN THE FIELD. APPROVED METHODS OF WRITING TERM PAPERS AND RESEARCH PAPERS.
- P E 6303 APPLIED TESTS AND MEASUREMENTS IN HEALTH AND PHYSICAL
EDUCATION
A CRITICAL CONSIDERATION OF THE IMPORTANCE AND LIMITATIONS OF MEASUREMENTS IN PHYSICAL EDUCATION. EMPHASIS PLACED ON THOSE MEASUREMENTS THAT ARE MOST NEEDED TODAY. THE STATISTICAL TREATMENT AND INTERPRETATION OF RESEARCH DATA.
- P E 6304 SCIENTIFIC FOUNDATIONS OF HEALTH AND PHYSICAL EDUCATION
BACKGROUND OF PHYSICAL EDUCATION FROM BIOLOGICAL, ANATOMICAL, AND PHYSIOLOGICAL ASPECTS.
- P E 6305 CURRICULUM CONSTRUCTION IN HEALTH AND PHYSICAL EDUCATION
A CRITICAL STUDY OF PRINCIPLES, PROBLEMS AND PROCEDURES IN THE CONSTRUCTION OF A PHYSICAL EDUCATION PROGRAM. ATTENTION WILL BE GIVEN TO THE APPLICATION OF THESE PRINCIPLES IN THE CONSTRUCTION OF A COURSE OF STUDY FOR A SPECIFIC SITUATION.
- P E 6306 PLANNING AND USE OF FACILITIES FOR HEALTH AND PHYSICAL
EDUCATION
PRINCIPLES, TERMINOLOGY AND STANDARDS FOR PLANNING CONSTRUCTION, USE, AND MAINTENANCE OF FACILITIES.
- P E 6307 PSYCHOLOGY OF MOTOR LEARNING
A STUDY OF THE APPLICATION OF PRINCIPLES OF PSYCHOLOGY TO LEARNING SITUATIONS INVOLVED IN COMPETITIVE SPORTS. EMPHASIS WILL BE GIVEN BOTH TO THE GENERAL LEARNING SITUATIONS INVOLVED IN THE MASTERY OF MOTOR SKILLS AND TO THE SPECIAL SITUATIONS INVOLVED WITH INDIVIDUAL AND GROUP PROBLEMS OF MOTIVATION AND RESPONSE.
- P E 6308 CURRENT READINGS IN HEALTH AND PHYSICAL EDUCATION
EXTENSIVE READINGS AND DISCUSSION OF SELECTED TOPICS IN THE FIELD.
- P E 6309 ADVANCED TECHNIQUES FOR TEACHING MOTOR SKILLS, ELEMENTARY
LEVEL
PRACTICAL AND THEORETICAL STUDY OF TECHNIQUE IN PRESENTING MOTOR

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ACTIVITY.

- P E 6310 ADVANCED TECHNIQUES OF TEACHING MOTOR SKILLS, SECONDARY LEVEL PRACTICAL AND THEORETICAL STUDY OF TECHNIQUE IN PRESENTING MOTOR ACTIVITY.
- P E 6311 THE TEACHING OF PHYSICAL EDUCATION ACTIVITY CLASSES DESIGNED TO DISCUSS PROBLEMS OF ORGANIZATION, EVALUATION, USE OF FACILITIES, AND OTHER PROBLEMS WITH TEACHING ACTIVITY COURSES ON THE COLLEGE LEVEL. REQUIRED OF ALL GRADUATE ASSISTANTS.
- P E 6312 ORGANIZATION AND CONDUCT OF DANCE IN EDUCATION. THIS COURSE IS INTENDED TO PROVIDE BOTH THEORY AND PRACTICE IN PRESENTING DANCE IN THE EDUCATIONAL SETTING. IT INCLUDES HISTORICAL BACKGROUND PROGRAMS OF DANCE FOR GRADES K-12, CONDUCT OF PERFORMING GROUPS, AND PRODUCTION OF PUBLIC PERFORMANCES.
- P E 6320 INDEPENDENT RESEARCH. INDIVIDUAL INVESTIGATION OF A PROBLEM IN PHYSICAL EDUCATION THAT INVOLVES ONE OF THE TECHNIQUES OF RESEARCH. STUDENTS WILL WORK UNDER A DESIGNATED FACULTY MEMBER AND MUST HAVE THEIR RESEARCH APPROVED PRIOR TO REGISTERING.
- P E 7300 THESIS
- P E 7301 THESIS
- PHIL 2313 INTRODUCTION TO PHILOSOPHY.
A PRELIMINARY STUDY OF THE GREAT PHILOSOPHIC TRADITIONS DEVELOPED BY MAN IN HIS UNCEASING EFFORTS TO UNDERSTAND HIMSELF AND HIS WORLD.
- PHIL 2323 ETHICS.
A SURVEY OF THE RICH HERITAGE OF HUMAN THOUGHT ON WHAT CONSTITUTES THE GOOD LIFE.
- PHIL 2333 PHILOSOPHY OF RELIGION.
A STUDY OF MAN'S RELIGIOUS CONCEPTS AND EXPERIENCES.
- PHIL 2343 BASIC LOGIC.
AN INTRODUCTION TO THAT BRANCH OF PHILOSOPHY WHICH DEALS WITH THE NATURE AND PROBLEMS OF CLEAR AND ACCURATE THINKING.
- PHIL 2353 LATIN-AMERICAN PHILOSOPHERS.
A STUDY OF THE PENSADORES WHO HAVE BEEN REGARDED MOST ABLE BY LATIN AMERICANS THEMSELVES AND WHO HAVE HAD THE GREATEST INFLUENCE IN SHAPING THE INTELLECTUAL AND SOCIAL LIFE OF THEIR OWN COUNTRIES OR OF ALL LATIN AMERICA. DUE ATTENTION WILL BE GIVEN TO THE INFLUENCE OF EUROPEAN AND AMERICAN PHILOSOPHERS UPON THESE LATIN-AMERICAN PENSADORES.
- PHIL 3313 AMERICAN PHILOSOPHY.
AN EXAMINATION OF THE CONTRIBUTIONS OF GREAT AMERICAN THINKERS TO THE PHILOSOPHICAL DEPOSIT OF THE WORLD.
PREREQUISITE: 3 SEMESTER HOURS OF PHILOSOPHY.
- PHIL 3333 PLATO AND ARISTOTLE.
ENGLISH TRANSLATIONS OF SELECTIONS FROM PLATO AND ARISTOTLE'S WRITINGS WILL BE READ AND INTERPRETED.
PREREQUISITE: THREE SEMESTER HOURS OF PHILOSOPHY.
- PHIL 4301 PHILOSOPHIES OF ART.
A STUDY OF THE RELATIONSHIP OF ART TO PHILOSOPHY. AN INTERDISCIPLINARY

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STUDY OF THE VARIOUS THEORIES OF ART AND OF THE PHILOSOPHICAL PRESUPPOSITIONS REGARDING BEING KNOWLEDGE AND VALUE INHERENT IN THESE THEORIES. ATTENTION WILL BE PAID TO THE HISTORICAL AND CULTURAL CONTEXTS OF THESE THEORIES. MAY BE COUNTED AS PHILOSOPHY OR MUSIC OR ART.
PREREQUISITES: SIX SEMESTER HOURS OF PHILOSOPHY OR ART OR MUSIC.

PHIL 4333 POLITICAL THEORY (SOCRATES TO THE NINETEENTH CENTURY).
SEE GOVERNMENT 4333 FOR COURSE DESCRIPTION. MAY BE COUNTED AS GOVERNMENT OR PHILOSOPHY.

PHIL 4343 POLITICAL THEORY (NINETEENTH CENTURY TO THE PRESENT).
SEE GOVERNMENT 4343 FOR COURSE DESCRIPTION. MAY BE COUNTED AS GOVERNMENT 4343 OR PHILOSOPHY 4343.

PHYS 1201 SCIENCE AND ENGINEERING ANALYSIS.
INTRODUCTION TO COMPUTATIONAL METHODS AND SOLUTIONS OF PROBLEMS IN ENGINEERING AND SCIENCE USING A COMPUTER PROGRAMMING MODEL.

PHYS 1301 MUSICAL ACOUSTICS.
PHYSICAL ORIGINS OF MUSICAL SOUNDS IN VIBRATING BODIES AND AIR COLUMNS. TONE QUALITY OF MUSICAL INSTRUMENTS, HARMONICS AND MUSICAL SCALES. SOUND LEVEL, NOISE, TRANSMISSION AND ABSORPTION OF SOUND, RESPONSE OF THE HUMAN EAR. TWO HOURS LECTURE AND TWO HOURS LABORATORY. LABORATORY FEE \$4.00.

PHYS 1402 GENERAL PHYSICS
A PRESENTATION OF THE FUNDAMENTAL PRINCIPLES OF LIGHT, ELECTRICITY AND MODERN PHYSICS. THREE HOURS LECTURE, TWO HOURS LABORATORY AND ONE QUIZ SECTION.
PREREQUISITE: PHYSICS 1401 OR 1403. \$4.00 LABORATORY FEE.

PHYS 1405 PHYSICS OF THE ENVIRONMENT I.
THIS COURSE IS DESIGNED TO MEET THE NEEDS OF THE LIBERAL ARTS MAJOR. FUNDAMENTAL CONCEPTS OF PHYSICS NECESSARY FOR THE UNDERSTANDING OF OUR ENVIRONMENT WILL BE TREATED WITH A MINIMUM USE OF MATHEMATICS. THREE HOURS LECTURE AND THREE HOURS LABORATORY. \$4.00 LAB FEE.

PHYS 1406 PHYSICS OF THE ENVIRONMENT II.
THIS COURSE IS DESIGNED TO MEET THE NEEDS OF THE LIBERAL ARTS MAJOR. APPLICATIONS OF PHYSICS TO THE STUDY OF OUR ENVIRONMENT WILL BE TREATED WITH SPECIAL EMPHASIS ON CURRENT PROBLEMS.
PREREQUISITE: PHYS. 1405, OR 4 HOURS OF PHYSICS. THREE HOURS LECTURE AND THREE HOURS LABORATORY. \$4.00 LAB. FEE.

PHYS 2101 INTERMEDIATE LABORATORY.
EMPHASIS IS PLACED ON STATISTICAL ANALYSIS AND THE USE OF COMPUTATIONAL EQUIPMENT IN THE LABORATORY. THREE HOURS LABORATORY.
PREREQUISITE: CONCURRENT WITH OR CREDIT IN PHYSICS 2301. LABORATORY FEE \$4.00.

PHYS 2301 INTERMEDIATE PHYSICS.
ADVANCED TREATMENT OF TOPICS COVERED IN PHYSICS 1401 AND 1402 USING THE CALCULUS. THREE HOURS LECTURE.
PREREQUISITE: PHYS. 1402. STUDENTS SHOULD ENROLL IN PHYSICS 2101.

PHYS 2303 STATICS AND ELEMENTARY KINEMATICS.
ELEMENTARY VECTOR ALGEBRA, CENTER OF MASS, EQUATIONS OF EQUILIBRIUM, FRICTION, KINEMATICS OF PARTICLES AND RIGID BODIES.
PREREQUISITE: PHYSICS 1401.

PHYS 3101 JUNIOR LABORATORY.
THE COURSE IS DESIGNED TO ACQUAINT THE STUDENT WITH THE EXPERIMENTAL METHOD. EXPERIMENTS ARE CHOSEN TO COVER AS MANY FIELDS OF PHYSICS AS

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POSSIBLE IN KEEPING WITH THE BACKGROUND AND ABILITIES OF THE STUDENTS.
THREE HOURS LABORATORY. CREDIT, ONE HOUR.
PREREQUISITE: 12 SEMESTER HOURS OF PHYSICS. \$4.00 LABORATORY FEE.

PHYS 3102 JUNIOR LABORATORY.
A CONTINUATION OF PHYS. 3101. \$4.00 LABORATORY FEE.

PHYS 3301 ELECTROMAGNETIC THEORY.
THEORY OF ELECTROSTATICS, ELECTROMAGNETICS, MAGNETIC PROPERTIES OF MATERIALS, UNITS, AND THERMOELECTRICITY, SIMPLE TREATMENT OF ALTERNATING CURRENT, OSCILLATING CIRCUITS, ELECTROMAGNETIC RADIATION AND MAXWELL'S EQUATION. THREE HOURS LECTURE.
PREREQUISITES: 12 SEMESTER HOURS OF PHYSICS AND MATH 2301 WHICH MAY BE TAKEN CONCURRENTLY.

PHYS 3303 HEAT AND THERMODYNAMICS.
STUDY OF HEAT MEASURING DEVICES, THERMAL EXPANSION, BEHAVIOR OF GASES, ELEMENTARY THERMODYNAMICS, CHANGE OF STATE, SPECIFIC HEATS AND TRANSFER OF HEAT. THREE HOURS LECTURE.
PREREQUISITES: 12 SEMESTER HOURS OF PHYSICS AND MATH 312301, WHICH MAY BE TAKEN CONCURRENTLY.

PHYS 3304 OPTICS.
A STUDY OF PHYSICAL OPTICS, INCLUDING DIFFRACTION, INTERFERENCE, POLARIZATION AND THE BEGINNING OF SPECTROSCOPY TOGETHER WITH SOME GEOMETRICAL OPTICS. THREE HOURS LECTURE.
PREREQUISITES: 12 SEMESTER HOURS OF PHYSICS AND MATH 2301, WHICH MAY BE TAKEN CONCURRENTLY.

PHYS 3305 MECHANICS I
A RIGID BODIES; TREATMENT OF THE MOTION OF A PARTICLE IN ONE, TWO AND THREE DIMENSIONS; THE MOTION OF A SYSTEM OF PARTICLES WITH A DETAILED TREATMENT OF THE CONSERVATION LAWS; THE STATICS OF FLUIDS AND SOLIDS; AN INTRODUCTION TO THE MOTION OF RIGID BODIES. THREE HOURS LECTURE.
PREREQUISITES: 12 SEMESTER HOURS OF PHYSICS; MATH. 3301, WHICH MAY BE TAKEN CONCURRENTLY.

PHYS 3307 COOPERATIVE EDUCATION I
A PLANNED PROGRAM OF FULL-TIME WORK EXPERIENCE OF MINIMUM DURATION - ONE SEMESTER OR A COMPLETE SUMMER SESSION OF 10 WEEKS. THE WORK COMPLETED PRIOR TO THE BEGINNING OF THE WORK PERIOD. ENROLLMENT SHOULD BE DETERMINED ON THE BASIS OF THE EMPLOYER'S EVALUATION AND THE STUDENT'S WRITTEN REPORT. THIS COURSE WILL COUNT ONLY AS ELECTIVE CREDIT EXCEPT TOWARD A MAJOR IN APPLIED PHYSICS WITH THE CONSENT OF THE STUDENT'S DEPARTMENTAL ADVISOR.
PREREQUISITE: DEPARTMENTAL ADVISOR'S APPROVAL.

PHYS 3308 COOPERATIVE EDUCATION II
A PLANNED PROGRAM OF FULL-TIME WORK EXPERIENCE OF MINIMUM DURATION - ONE SEMESTER OR A COMPLETE SUMMER SESSION OF 10 WEEKS. THE WORK COMPLETED PRIOR TO THE BEGINNING OF THE WORK PERIOD. ENROLLMENT SHOULD BE DETERMINED ON THE BASIS OF THE EMPLOYER'S EVALUATION AND THE STUDENT'S WRITTEN REPORT. THIS COURSE WILL COUNT ONLY AS ELECTIVE CREDIT EXCEPT TOWARD A MAJOR IN APPLIED PHYSICS WITH THE CONSENT OF THE STUDENT'S DEPARTMENTAL ADVISOR.
PREREQUISITE: PHYSICS 3307.

PHYS 3309 COOPERATIVE EDUCATION III
A PLANNED PROGRAM OF FULL-TIME WORK EXPERIENCE OF MINIMUM DURATION - ONE SEMESTER OR A COMPLETE SUMMER SESSION OF 10 WEEKS. THE WORK COMPLETED PRIOR TO THE BEGINNING OF THE WORK PERIOD. ENROLLMENT SHOULD BE DETERMINED ON THE BASIS OF THE EMPLOYER'S EVALUATION AND THE STUDENT'S WRITTEN REPORT. THIS COURSE WILL COUNT ONLY AS ELECTIVE CREDIT EXCEPT TOWARD A MAJOR IN APPLIED PHYSICS WITH THE CONSENT OF THE STUDENT'S

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DEPARTMENTAL ADVISOR:
PREREQUISITE: PHYSICS 3307 AND PHYSICS 3308.

- PHYS 3401 ELECTRONICS.
STUDY OF THE PHENOMENA OF ELECTRONICS INCLUDING THE APPLICATION OF ELECTRONIC DEVICES. THREE HOURS LECTURE AND THREE HOURS LABORATORY.
PREREQUISITE: PHYSICS 1402. \$4.00 LABORATORY FEE.
- PHYS 3402 MODERN PHYSICS.
A CONTINUATION OF THE INTRODUCTORY PROGRAM FOR ENGINEERS, CHEMISTRY, MATHEMATICS AND PHYSICS MAJORS. THREE HOURS LECTURE, TWO HOURS LABORATORY AND ONE HOUR QUIZ SECTION.
PREREQUISITE: PHYSICS 1402. \$4.00 LABORATORY FEE.
- PHYS 4101 SENIOR LABORATORY.
THE STUDENT PERFORMS EXPERIMENTS OF GREATER COMPLEXITY AND DIFFICULTY THAN THOSE IN JUNIOR LABORATORY. IN ADDITION, THE STUDENT IS ENCOURAGED TO DESIGN AND CARRY OUT ORIGINAL EXPERIMENTS IN HIS FIELD OF INTEREST.
THREE HOURS LABORATORY.
PREREQUISITE: PHYSICS 3101, 3102. \$4.00 LABORATORY FEE.
- PHYS 4102 SENIOR LABORATORY.
A CONTINUATION OF PHYS. 4101. \$4.00 LABORATORY FEE.
- PHYS 4103 SENIOR LABORATORY.
A CONTINUATION OF PHYS. 4102. \$4.00 LABORATORY FEE.
- PHYS 4301 TOPICS IN MODERN PHYSICS.
A STUDY OF RECENT DEVELOPMENTS IN PHYSICS, INCLUDING ATOMIC ENERGY, NUCLEAR STRUCTURE, X-RAYS, COSMIC RAYS AND RADIOACTIVITY. FOR CHEMISTRY, MATHEMATICS AND PHYSICS MAJORS. THREE HOURS LECTURE.
PREREQUISITE: PHYS. 3402.
- PHYS 4302 NUCLEAR PHYSICS.
FUNDAMENTALS OF NUCLEAR PHYSICS. TWO HOURS LECTURE AND THREE HOURS LABORATORY. PREREQUISITE: 12 SEMESTER HOURS OF PHYSICS. \$4.00 LABORATORY FEE.
- PHYS 4303 QUANTUM PHYSICS.
FUNDAMENTALS OF QUANTUM MECHANICS WITH APPLICATIONS TO THE SOLUTION OF PROBLEMS IN MODERN PHYSICS. THREE HOURS LECTURE.
PREREQUISITE: PHYSICS 3304.
- PHYS 4304 PHYSICS FOR SECONDARY TEACHERS.
A STUDY OF THE MATERIAL, TECHNIQUES AND PROCEDURES INVOLVED IN THE TEACHING OF HIGH SCHOOL PHYSICS. MAY BE COUNTED ONLY TOWARD A MAJOR OR MINOR IN PHYSICS WHEN PART OF AN APPROVED TEACHER CERTIFICATION PROGRAM WITH PHYSICS OR MATHEMATICS AS A TEACHING FIELD. TWO HOURS LECTURE AND THREE HOURS LABORATORY.
PREREQUISITE: 12 SEMESTER HOURS OF PHYSICS. \$4.00 LABORATORY FEE.
- PHYS 4306 MECHANICS II
A CONTINUATION OF PHYSICS 3305 INTO SELECTED ADVANCED TOPICS: GRAVITATION; MOVING COORDINATE SYSTEMS; AN INTRODUCTION INTO THE MECHANICS OF CONTINUOUS MEDIA; GENERALIZED COORDINATES AND THE LAGRANGIAN AND HAMILTONIAN FORMULATIONS OF MECHANICS; AN INTRODUCTION TO TENSORS WITH APPLICATIONS TO THE ROTATION OF RIGID BODIES; THE THEORY OF SMALL VIBRATIONS. THREE HOURS LECTURE.
PREREQUISITE: PHYS. 3305. CREDIT CANNOT BE GIVEN FOR BOTH PHYS. 4306 AND 5306.
- PHYS 4307 INTRODUCTORY SOLID STATE PHYSICS.
DESCRIPTION OF CRYSTAL STRUCTURES AND AN INTRODUCTION TO THE BASIC

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THEORIES OF THE THERMAL, MAGNETIC AND ELECTRICAL PROPERTIES OF SOLIDS.
PREREQUISITE: PHYS. 3402. CREDIT CANNOT BE GIVEN FOR BOTH PHYS. 4307
AND 5307.

- PHYS 4308 SEMINAR IN PHYSICS.
INVESTIGATIONS OF PROBLEMS AND PROGRESS IN CONTEMPORARY PHYSICS WILL
BE UNDERTAKEN. INDIVIDUAL RESEARCH AND REPORTING WILL BE EMPHASIZED.
COURSES MAY BE REPEATED ONCE FOR CREDIT.
PREREQUISITE: 16 HOURS OF PHYSICS.
- PHYS 5304 PHYSICS FOR TEACHERS
REVIEW OF THE FUNDAMENTALS OF PHYSICS. METHODS AND TECHNIQUES OF
TEACHING PHYSICS WILL BE INCLUDED.
PREREQUISITE: GRADUATE STANDING AND 1 YEAR OF PHYSICS.
- PHYS 5306 ADVANCED MECHANICS
THE LAGRANGIAN FORMULATION OF MECHANICS IS TREATED EXTENSIVELY WITH AN
INTRODUCTION TO THE HAMILTONIAN FORMULATION. SELECTED TOPICS
INCLUDING VARIATIONAL PRINCIPLES, TENSOR ALGEBRA AS APPLIED TO RIGID
BODY MOTION AND THE THEORY OF SMALL AMPLITUDE VIBRATIONS.
PREREQUISITE: GRADUATE STANDING AND PHYSICS 3305.
- PHYS 5307 SOLID STATE PHYSICS
CRYSTAL STRUCTURE STUDIES, CLASSICAL AND QUANTUM THEORIES OF SPECIFIC
HEAT AND BAND THEORY OF METALS AND SEMI-CONDUCTORS.
PREREQUISITE: GRADUATE STANDING AND PHYSICS 4303.
- PHYS 5308 SEMINAR IN PHYSICS
INVESTIGATIONS OF PROBLEMS AND PROGRESS IN CONTEMPORARY PHYSICS WILL
BE UNDERTAKEN. INDIVIDUAL RESEARCH AND REPORTING WILL BE EMPHASIZED.
PREREQUISITE: GRADUATE STANDING AND 1 YEAR OF PHYSICS.
- PORT 1361 BEGINNING PORTUGUESE.
A STUDY OF THE ESSENTIALS OF PORTUGUESE GRAMMAR, PRONUNCIATION,
ELEMENTARY CONVERSATION AND PROSE READING. CREDIT WILL NOT BE GIVEN TO
STUDENTS WHO HAVE COMPLETED TWO YEARS OF HIGH SCHOOL PORTUGUESE.
- PORT 1362 BEGINNING PORTUGUESE.
A CONTINUATION OF PORTUGUESE 1361. CREDIT WILL NOT BE GIVEN TO
STUDENTS WHO HAVE COMPLETED TWO YEARS OF HIGH SCHOOL PORTUGUESE.
- PSCI 1301 PHYSICAL SCIENCE FOR ELEMENTARY TEACHERS.
A LABORATORY COURSE IN PHYSICAL SCIENCE DESIGNED FOR ELEMENTARY
EDUCATION MAJORS. EMPHASIS IS PLACED ON MAKING THIS A MOST PRACTICAL
COURSE FOR THE ELEMENTARY TEACHER. TWO HOURS LECTURE AND TWO HOURS
LABORATORY. \$4.00 LABORATORY FEE.
- PSCI 1302 PHYSICAL SCIENCE FOR ELEMENTARY TEACHERS.
A CONTINUATION OF PHYSICAL SCIENCE 1301. TWO HOURS LECTURE AND
TWO HOURS LABORATORY. \$4.00 LABORATORY FEE.
- PSCI 1303 PHYSICAL SCIENCE.
A LABORATORY COURSE IN SCIENCE DESIGNED FOR THE GENERAL EDUCATION
OF NON-SCIENCE MAJORS. TWO HOURS LECTURE AND TWO HOURS LABORATORY.
\$4.20 LABORATORY FEE.
- PSCI 1304 PHYSICAL SCIENCE.
A CONTINUATION OF PHYSICAL SCIENCE 1303. TWO HOURS LECTURE AND TWO
HOURS LABORATORY. \$4.00 LABORATORY FEE.
- PSCI 4301 WORKSHOP FOR PHYSICAL SCIENCE TEACHERS.
AN ACTIVITY COURSE DESIGNED TO ASSIST THE TEACHER IN THE DEVELOPMENT OF
STUDENT HANDS-ON EXPERIMENTS, DEMONSTRATIONS, AND LABORATORY

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EXPERIENCES, UTILIZING EQUIPMENT AVAILABLE AT THEIR SCHOOL, OR INEXPENSIVE EQUIPMENT FABRICATED FROM EASILY AVAILABLE EVERYDAY MATERIALS. THE NATURE OF THE MATERIALS DEVELOPED WILL ALLOW THE TEACHER TO PUT THEM TO IMMEDIATE USE IN THE CLASSROOM. ONE HOUR LECTURE AND 4 HOURS LABORATORY.

- PSCI 5301 GRADUATE WORKSHOP FOR PHYSICAL SCIENCE TEACHERS**
THIS IS A COURSE DESIGNED TO ASSIST PHYSICAL SCIENCE TEACHERS IN UTILIZING THE EQUIPMENT THEIR SCHOOL SYSTEM ALREADY OWNS FOR STUDENT EXPERIMENTS AND CLASSROOM DEMONSTRATIONS. REPAIR AND CONSTRUCTION TECHNIQUES FOR LABORATORY EQUIPMENT WILL ALSO BE INCLUDED. DEVELOPMENT OF LECTURE DEMONSTRATION AND STUDENT LABORATORY EXERCISES IS REQUIRED. ONE HOUR LECTURE AND FOUR HOURS LABORATORY FEE. \$4.00 LABORATORY FEE.
PREREQUISITE: 6 HOURS PHYSICAL SCIENCE OR CONSENT OF INSTRUCTOR.
- PSY 1313 INTRODUCTION TO PSYCHOLOGY. (FALL, SPRING, SUMMER)**
AN INTRODUCTION TO THE STUDY OF MENTAL PROCESSES. TOPICS INCLUDE: THE SCIENTIFIC METHODS USED IN PSYCHOLOGY; THE SCOPE AND GOALS OF PSYCHOLOGY; THE INFLUENCES OF HEREDITY, PHYSIOLOGY AND ENVIRONMENT; AND THE CONDITIONS GOVERNING LEARNING, MEMORY, SENSATION AND PERCEPTION. (FORMERLY PSY. 2313, MAY NOT BE REPEATED FOR CREDIT.)
- PSY 1323 GENERAL PSYCHOLOGY. (FALL, SPRING, SUMMER)**
EMPHASIS IS ON FEELINGS AND MOTIVES, THE NORMAL AND ABNORMAL PERSONALITY, INDIVIDUAL DIFFERENCES, THE CHILD, THE ADULT AND SOCIETY. (FORMERLY PSY. 2323, MAY NOT BE REPEATED FOR CREDIT.)
- PSY 2301 STATISTICS FOR THE BEHAVIORAL SCIENCES. (FALL, SPRING)**
A PRACTICAL STUDY OF THE PROCEDURES USED IN HANDLING PSYCHOLOGICAL AND SOCIOLOGICAL DATA INCLUDING DESCRIPTIVE STATISTICS, CENTRAL TENDENCY, VARIATION, CORRELATION AND INFERENCE. MAY BE COUNTED AS PSYCHOLOGY 2301 OR SOCIOLOGY 2301.
PREREQUISITE: 3 HOURS OF MATH (EXCEPT MATH 1314) AND 6 HOURS FROM THE FOLLOWING: PSY. 1313, SOC. 1313, 1323. (FORMERLY PSY. 4301, MAY NOT BE REPEATED FOR CREDIT.)
- PSY 2324 SOCIAL PSYCHOLOGY. (FALL, SPRING)**
A STUDY OF PSYCHOLOGICAL PRINCIPLES AS THEY ARE APPLIED IN SOCIAL CONTROLS, MOB ACTIONS, LEADERSHIP AND GROUP ACTIONS, SOCIAL STATUS, ATTITUDES AND PUBLIC OPINION WILL BE DISCUSSED. MAY BE COUNTED AS PSYCHOLOGY 2324 OR SOCIOLOGY 2324.
PREREQUISITE: 6 HOURS FROM THE FOLLOWING: PSY. 1313, 1323, SOC. 1313, 1323.
- PSY 2325 EXPERIMENTAL PSYCHOLOGY I. (FALL, SPRING)**
LECTURE - LABORATORY APPROACH IN ILLUSTRATING THE TECHNIQUES OF PSYCHOLOGICAL RESEARCH.
PREREQUISITE: PSY. 1313, 1323.
- PSY 2335 DEVELOPMENTAL PSYCHOLOGY: INFANCY AND CHILDHOOD (SPRING).**
A STUDY OF THE PHYSICAL, MENTAL, EMOTIONAL AND SOCIAL GROWTH FROM CONCEPTION THROUGH CHILDHOOD.
PREREQUISITE: PSY. 1313.
- PSY 2336 DEVELOPMENTAL PSYCHOLOGY: ADOLESCENCE (FALL).**
A STUDY OF THE PHYSICAL, MENTAL, EMOTIONAL AND SOCIAL GROWTH FROM CHILDHOOD THROUGH ADOLESCENCE.
PREREQUISITE: PSY. 1313 OR 1323.
- PSY 2345 PSYCHOLOGY OF LEARNING.**
AN INTRODUCTION TO THE METHODS, RESULT AND INTERPRETATIONS OF EXPERIMENTAL STUDIES OF LEARNING. EMPHASIS WILL BE PLACED ON CLASSICAL AND INSTRUMENTAL CONDITIONING PROCEDURES.
PREREQUISITE: PSY. 1313 (FORMERLY 3323 AND 4323, MAY NOT BE REPEATED FOR CREDIT.)

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- PSY 2387 GENERAL PSYCHOLOGY (HONORS PLAN) (SPRING)
EMPHASIS IS PLACED UPON INTELLIGENCE, PERSONALITY, MOTIVATION,
VOCATIONAL CHOICE AND THE APPLICATION OF PSYCHOLOGICAL PRINCIPLES TO
BEHAVIORAL PROBLEMS.
PREREQUISITE: ADMISSION TO HONORS STUDIES OR BY INVITATION.
- PSY 3305 BEHAVIOR MANAGEMENT AND MODIFICATION
AN OVERVIEW OF EXISTING BEHAVIORAL CONTROL TECHNIQUES FOR THE
REMEDICATION AND PREVENTION OF PROBLEM BEHAVIORS AND FOR THE OPTIMIZATION
OF NORMAL BEHAVIORS IN REAL LIFE SETTINGS. CONTRASTING THERAPEUTIC
APPROACHES WILL BE EXAMINED AS WELL AS THE ETHICS OF BEHAVIOR CONTROL
AND THE IMPACT OF BEHAVIORISM ON 20TH CENTURY MAN.
PREREQUISITE: PSY. 1313 AND 1323.
- PSY 3325 PSYCHOLOGY OF ADJUSTMENT.
THIS COURSE IS DEVOTED TO A STUDY OF THE NORMAL PERSONALITY AND THE
INFLUENCES WHICH FOSTER EFFECTIVE ADJUSTMENT.
PREREQUISITE: PSY. 1313, 1323.
- PSY 3326 CONTEMPORARY ISSUES IN SOCIAL PSYCHOLOGY.
A REVIEW AND DISCUSSION OF RECENT ISSUES AND ADVANCES IN SOCIAL
PSYCHOLOGY. FOCUSES ON CONTEMPORARY CONCERNS WITH REGARD TO BOTH
THEORY AND RESEARCH IN THE LABORATORY AND THE COMMUNITY. MAY BE
COUNTED AS PSYCHOLOGY 3326 OR SOCIOLOGY 3326.
PREREQUISITE: PSY 2324 OR SOC. 2324.
- PSY 3333 PSYCHOLOGY OF ADULTHOOD: MATURITY AND OLD AGE. (FALL, ODD
YEARS.)
A STUDY OF SUCH ASPECTS OF ADULTHOOD AS JOB SELECTION, MARRIAGE, CHILD
REARING AND OLD AGE.
PREREQUISITE: PSY. 1313, 1323.
- PSY 3343 TESTS AND MEASUREMENTS IN PSYCHOLOGY. (FALL)
CONCENTRATES ON THE THEORETICAL ASPECTS OF TEST CONSTRUCTION AND ON
EXTENSIVE SURVEY OF THE MAJOR TYPES OF STANDARDIZED TESTS USED IN
INDUSTRY, SCHOOLS AND MENTAL HEALTH SETTINGS.
PREREQUISITE: PSY. 1313, 1323, 2301.
- PSY 3353 PHYSIOLOGICAL PSYCHOLOGY.
AN ANALYSIS OF THE BASIC PHYSIOLOGICAL MECHANISMS UNDERLYING BEHAVIOR
WITH EMPHASIS ON THE ROLE OF THE CENTRAL NERVOUS SYSTEM IN SENSATION,
EMOTION, MOTIVATION, LEARNING AND MEMORY. A KNOWLEDGE OF BIOLOGY IS
HELPFUL BUT NOT NECESSARY.
PREREQUISITE: PSY. 1313, 1323. (FORMERLY 4343, MAY NOT BE REPEATED
FOR CREDIT.)
- PSY 3363 EMOTION AND MOTIVATION. (SPRING, ODD YEARS)
A SELECTED REVIEW OF EXPERIMENTAL AND THEORETICAL LITERATURE OF EMOTION
AND MOTIVATION IN MAN AND ANIMALS.
PREREQUISITE: PSY. 1313, 1323.
- PSY 3373 SENSATION AND PERCEPTION. (FALL EVEN YEARS)
A STUDY OF THE BASIC MECHANISMS UNDERLYING SENSATION AND PERCEPTION.
EXPERIMENTAL METHODS, RESEARCH FINDINGS AND THEORY ARE EMPHASIZED.
PREREQUISITE: PSY 1313, 1323.
- PSY 3383 ELEMENTARY COMPARATIVE PSYCHOLOGY. (SPRING, EVEN YEARS)
A COMPARATIVE STUDY OF BEHAVIOR CHARACTERISTICS OF SELECTED SAMPLES
OF ANIMAL KINGDOM FROM PROTOZOAN TO MAN.
PREREQUISITE: PSY. 1313, 1323.

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- PSY 4311 FEMALE AND MALE. (FALL, SPRING)
AN EXAMINATION OF THE PHYSIOLOGICAL, PSYCHOLOGICAL AND SOCIOLOGICAL INFLUENCES OF SEX ROLE DEVELOPMENT INCLUDING SUCH TOPICS AS HUMAN LIBERATION, SEXUAL BEHAVIOR, CHILD REARING PRACTICES AND CAREER OPPORTUNITIES. MAY BE COUNTED AS PSYCHOLOGY 4311 OR SOCIOLOGY 4311.
PREREQUISITE: 9 HOURS OF PSYCHOLOGY AND/OR SOCIOLOGY.
- PSY 4313 ABNORMAL PSYCHOLOGY. (FALL, SPRING)
ANALYSIS, ETIOLOGY AND INCIDENCE OF NEUROSIS AND PSYCHOSIS, MENTAL HYGIENE PROBLEMS AND ADJUSTIVE BEHAVIOR.
PREREQUISITE: PSY. 1313, 1323.
- PSY 4318 THEORIES OF LEARNING.
A HISTORICAL REVIEW OF MAJOR THEORETICAL POSITIONS IN THE FIELDS OF ANIMAL AND HUMAN LEARNING.
PREREQUISITE: 1313, 1323, OR CONSENT OF INSTRUCTOR.
- PSY 4333 THEORIES OF PERSONALITY.
EMPHASIS IS PLACED ON THE MAJOR THEORIES OF PERSONALITY WHICH ATTEMPT TO EXPLAIN THE PSYCHOLOGICAL NATURE AND BEHAVIOR OF PEOPLE. SOME CONSIDERATION IS GIVEN TO THE PROCESS INVOLVED IN DEVELOPING A THEORY OF PERSONALITY.
PREREQUISITE: PSY. 1313, 1323.
- PSY 4353 INTRODUCTION TO CLINICAL PSYCHOLOGY.
A COMPREHENSIVE OVERVIEW TO CLINICAL PSYCHOLOGY TODAY. THIS COURSE PROVIDES A BASIC UNDERSTANDING OF ITS HISTORY, DIVERSE THEORETICAL ORIENTATIONS, FUNCTIONS AND PROBLEMS. BOTH THEORY AND RESEARCH ARE EMPHASIZED.
PREREQUISITE: PSY. 4313 OR 4333.
- PSY 4363 SYSTEMS AND THEORIES IN PSYCHOLOGY.
A HISTORY OF THE DEVELOPMENT OF PSYCHOLOGY AND A STUDY OF THEORIES IN CONTEMPORARY PSYCHOLOGY.
PREREQUISITE: PSY. 1313, 1323.
- PSY 4373 EXPERIMENTAL PSYCHOLOGY II.
AN ADVANCED COURSE INVOLVING GROUP AND INDIVIDUAL RESEARCH PROJECTS.
PREREQUISITE: PSY. 2301, 2325.
- PSY 4383 SPECIAL PROBLEMS. (ON DEMAND)
SELECTED TOPICS ASSIGNED ACCORDING TO THE INTEREST OF THE CLASS AND/OR STUDENT. SEQUENTIAL REGISTRATION FOR UP TO NINE HOURS IS PERMITTED AS TOPICS VARY.
PREREQUISITE: 9 HOURS OF PSYCHOLOGY AND CONSENT OF INSTRUCTOR.
- PSY 4384 SPECIAL PROBLEMS.
SELECTED TOPICS ASSIGNED ACCORDING TO THE INTEREST OF THE CLASS AND/OR STUDENT. SEQUENTIAL REGISTRATION FOR UP TO NINE HOURS IS PERMITTED AS TOPICS VARY.
PREREQUISITE: 9 HOURS OF PSYCHOLOGY AND CONSENT OF INSTRUCTOR.
- PSY 4385 SPECIAL PROBLEMS.
SELECTED TOPICS ASSIGNED ACCORDING TO THE INTEREST OF THE CLASS AND/OR STUDENT. SEQUENTIAL REGISTRATION FOR UP TO NINE HOURS IS PERMITTED AS TOPICS VARY.
PREREQUISITE: 9 HOURS OF PSYCHOLOGY AND CONSENT OF INSTRUCTOR.
- PSY 5313 ABNORMAL PSYCHOLOGY
ANALYSIS, ETIOLOGY, AND INCIDENCE OF NEUROSIS AND PSYCHOSIS; MENTAL HYGIENE PROBLEMS; AND ADJUSTIVE BEHAVIOR. A RESEARCH PROJECT AND SUPPORTING SPECIALIZED READINGS WILL BE EMPHASIZED.
PREREQUISITE: 6 SEMESTER HOURS OF PSYCHOLOGY.

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- PSY 5318 LEARNING THEORIES
A REVIEW OF THE MAJOR THEORIES OF LEARNING BASED ON ANIMAL AND HUMAN RESEARCH.
PREREQUISITES: PSY 1313, 1323 OR CONSENT OF INSTRUCTOR.
- PSY 5333 THEORIES OF PERSONALITY
A STUDY OF THE DEVELOPMENT, STRUCTURE, AND ASSESSMENT OF PERSONALITY WITH A CONSIDERATION OF THE MAJOR THEORETICAL ATTEMPTS TO ACCOUNT FOR THE PSYCHOLOGICAL NATURE AND THE BEHAVIOR OF MAN. A RESEARCH PROJECT AND SUPPORTING SPECIALIZED READINGS WILL BE EMPHASIZED.
PREREQUISITES: 6 SEMESTER HOURS OF PSYCHOLOGY.
- PSY 5363 DEVELOPMENT OF SYSTEMS AND THEORIES IN PSYCHOLOGY
A STUDY OF THE HISTORICAL DEVELOPMENT OF PSYCHOLOGY AND OF THEORIES IN CONTEMPORARY PSYCHOLOGY, COMPARING AND CONTRASTING CLASSICAL SCHOOL OF THOUGHT.
PREREQUISITE: 6 HOURS OF PSYCHOLOGY OR CONSENT OF INSTRUCTOR.
- SOC 1313 PRINCIPLES OF SOCIOLOGY, (FALL, SPRING, SUMMER)
THE SOCIAL GROUP, CULTURE AND PERSONALITY; SOCIAL INSTITUTIONS; SOCIAL INTERACTION; SOCIAL CHANGE. (FORMERLY 2313, MAY NOT BE REPEATED FOR CREDIT.)
- SOC 1323 A STUDY OF SOCIAL PROBLEMS. (FALL, SPRING, SUMMER)
A SOCIOLOGICAL ANALYSIS OF SELECTED SOCIAL PROBLEMS PRESENT IN CURRENT SOCIETY. (FORMERLY 2323, MAY NOT BE REPEATED FOR CREDIT.)
- SOC 2301 STATISTICS FOR THE BEHAVIORAL SCIENCES (FALL, SPRING).
A PRACTICAL STUDY OF THE PROCEDURES USED IN HANDLING PSYCHOLOGICAL AND SOCIOLOGICAL DATA INCLUDING DESCRIPTIVE STATISTICS, CENTRAL TENDENCY, VARIATION, CORRELATION AND INFERENCE. MAY BE COUNTED AS SOCIOLOGY 2301 OR PSYCHOLOGY 2301.
PREREQUISITE: 3 HOURS OF MATH (EXCEPT MATH 1314) AND 6 HOURS FROM THE FOLLOWING: PSY. 1313, 1323; SOC. 1313, 1323. (FORMERLY SOC. 4301, MAY NOT BE REPEATED FOR CREDIT.)
- SOC 2324 SOCIAL PSYCHOLOGY, (FALL, SPRING)
A STUDY OF PSYCHOLOGICAL PRINCIPLES AS THEY ARE APPLIED IN SOCIAL CONTROLS, MOB ACTIONS, LEADERSHIP AND GROUP ACTIONS. SOCIAL STATUS, ATTITUDES AND PUBLIC OPINION WILL BE DISCUSSED. MAY BE COUNTED AS SOCIOLOGY 2324 OR PSYCHOLOGY 2324.
PREREQUISITE: 6 HOURS FROM THE FOLLOWING: SOC 1313, 1323, PSY. 1313, 1323.
- SOC 2333 MARRIAGE AND THE FAMILY, (FALL)
A STUDY OF PROBLEMS AND AN ANALYSIS OF THE FACTORS CONTRIBUTING TO SUCCESSFUL MARRIAGES WITH STUDY OF SURVEYS THAT HAVE BEEN MADE OF THIS ASPECTS OF THE SOCIAL RELATIONS OF MEN AND WOMEN.
- SOC 2353 INTRODUCTION TO FOLKLORE.
GENERAL INTRODUCTION INTO THE FIELD OF FOLKLORE DATA INCLUDING COLLECTION, PRESERVATION, ANALYSIS AND INTERPRETATION ACCORDING TO THE MAIN SOCIAL SCIENCE THEORIES OF FOLKLORE. EMPHASIS ON FOLK MUSIC, NARRATIVE, DRAMA, MEDICINE, ART AND MATERIAL CULTURE. MAY BE COUNTED AS SOCIOLOGY 2353 OR ANTHROPOLOGY 2353.
- SOC 3301 METHODS OF SOCIAL RESEARCH. (FALL)
USE OF SCIENTIFIC METHOD IN SOCIAL RESEARCH; FORMULATION OF RESEARCH DESIGNS, HYPOTHESIS TESTING, SAMPLING, INTERVIEWING, OBSERVATION, CODING, USE OF DOCUMENTS, QUESTIONNAIRES; AND SCALES; EMPHASIS ON INTERPRETATION OF SOCIAL DATA.
PREREQUISITE: 6 SEMESTER HOURS OF SOCIOLOGY OR CONSENT OF INSTRUCTOR.
- SOC 3313 CRIMINOLOGY, (FALL, SPRING)
A STUDY OF CRIME, ITS CAUSES AND ITS SOCIAL TREATMENT.

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PREREQUISITE: SOC. 1313 OR CONSENT OF INSTRUCTOR.

- SOC 3324 SOCIOLOGY OF HEALTH.
ANALYSIS OF BASIC PROBLEMS IN THE MAINTENANCE AND PRESERVATION OF HEALTH AND DELIVERY OF HEALTH CARE SERVICES BY SOCIAL CLASS. FOCUS IS ON ENVIRONMENTAL CAUSES OF DISEASE, SOCIAL-PSYCHOLOGICAL RESPONSE TO ILLNESS; AND FAMILY COHESION, STRAIN AND RESOURCES AS AFFECTED BY ILLNESS.
PREREQUISITE: 3 HOURS OF SOCIOLOGY OR CONSENT OF INSTRUCTOR.
- SOC 3326 CONTEMPORARY ISSUES IN SOCIAL PSYCHOLOGY. (SPRING)
A REVIEW AND DISCUSSION OF RECENT ISSUES AND ADVANCES IN SOCIAL PSYCHOLOGY. THIS COURSE WILL FOCUS ON CONTEMPORARY CONCERNS WITH REGARD TO BOTH THEORY AND RESEARCH IN THE LABORATORY AND THE COMMUNITY. MAY BE COUNTED AS SOCIOLOGY 3326 OR PSYCHOLOGY 3326.
PREREQUISITE: 2324 OR SOC. 2324.
- SOC 3333 URBAN SOCIOLOGY.
THE CULTURE HISTORY AND GROWTH PATTERNS OF CITIES; DEMOGRAPHIC, ECOLOGICAL PATTERNS AND TRENDS. PROBLEMS OF HOUSING AND COMMUNITY ORGANIZATION.
PREREQUISITE: SOC. 2301 OR 3301 OR CONSENT OF INSTRUCTOR.
- SOC 3334 SOCIOLOGY OF WORK.
ANALYSIS OF SELECTED LABOR FORCE CHARACTERISTICS INCLUDING EDUCATION, OCCUPATION, FAMILY, HOUSING; AND ETHNIC PARTICIPATION IN MAJOR INDUSTRIES BY JOB CLASSIFICATION; READINGS ON WORK NORMS INCLUDING GROUP PARTICIPATION, ALIENATION AND JOB SATISFACTION. EMPHASIS ON THE SOUTHWEST REGION.
PREREQUISITE: 3 HOURS OF SOCIOLOGY OR CONSENT OF INSTRUCTOR.
- SOC 3345 RITUAL, BELIEF AND HEALING.
A SOCIO-CULTURAL ANALYSIS OF EXISTING MEDICAL SYSTEMS. BOTH MODERN SYSTEMS AND FOLK MEDICAL SYSTEMS WILL BE DISCUSSED WITH SPECIAL EMPHASIS ON THE CURRENT SOCIAL SCIENCE THEORIES RELATING TO HEALTH AND HUMAN BEHAVIOR. MAY BE COUNTED AS SOCIOLOGY OR ANTHROPOLOGY.
PREREQUISITE: 3 HOURS OF SOCIOLOGY OR ANTHROPOLOGY OR CONSENT OF INSTRUCTOR.
- SOC 3353 JUVENILE DELINQUENCY. (SPRING)
DELINQUENCY IN MODERN SOCIETY, BASIC FACTORS AND CONDITIONS OF JUVENILE DELINQUENCY AND THE PROBLEMS OF DELINQUENCY CONTROL.
PREREQUISITE: SOC 3313 OR 1313 OR CONSENT OF INSTRUCTOR.
- SOC 3393 SOCIAL GERONTOLOGY.
ANALYSIS OF THE BASIC PROBLEMS FACED BY THE AGED WITHIN A SOCIAL CONTEXT. WITHIN AN INSTITUTIONAL FRAMEWORK, FOCUS IS ON HEALTH, INCOME, WORK, RELIGION, LEISURE AND INTERPERSONAL RELATIONSHIPS OF THE AGED.
PREREQUISITE: 3 HOURS OF SOCIOLOGY OR CONSENT OF INSTRUCTOR.
- SOC 4311 FEMALE AND MALE. (FALL, SPRING)
AN EXAMINATION OF THE PHYSIOLOGICAL, PSYCHOLOGICAL AND SOCIOLOGICAL INFLUENCES OF SEX ROLE DEVELOPMENT INCLUDING SUCH TOPICS AS HUMAN LIBERATION, SEXUAL BEHAVIOR, CHILD REARING PRACTICES; AND CAREER OPPORTUNITIES. MAY BE COUNTED AS SOCIOLOGY 4311 OR PSYCHOLOGY 4311.
PREREQUISITE: 9 HOURS OF PSYCHOLOGY AND/OR SOCIOLOGY.
- SOC 4313 AMERICAN MINORITIES.
A STUDY OF THE PRINCIPAL MINORITY GROUPS IN AMERICAN SOCIETY AND THEIR SOCIOLOGICAL SIGNIFICANCE; PROBLEMS OF INTERGROUP RELATIONS, SOCIAL MOVEMENTS AND RELATED SOCIAL CHANGES OCCURRING ON THE CONTEMPORARY AMERICAN SCENE.
PREREQUISITE: 6 HOURS OF SOCIOLOGY OR CONSENT OF INSTRUCTOR.

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- SOC 4314 SOCIOLOGY OF DEVIANCE. (FALL)
THE NATURE AND EXTENT OF DEVIANCY EXAMINED THROUGH A REVIEW OF THEORY AND RESEARCH ON DEVIANT BEHAVIOR. SELECTIVE EXAMINATION OF PARTICULAR TYPES OF INDIVIDUAL AND SUBCULTURAL DEVIANCE (E.G., HOMOSEXUALITY, PHYSICAL HANDICAPS, PROSTITUTION).
PREREQUISITE: 6 HOURS OF SOCIOLOGY OR CONSENT OF INSTRUCTOR.
- SOC 4323 THE MEXICAN-AMERICAN PEOPLE.
PRESENTS AN EXAMINATION OF THE MEXICAN-AMERICAN'S ECONOMIC STATUS, CULTURAL VALUES, STYLE OF LIFE, EDUCATIONAL ATTAINMENT, FAMILY STATUS AND POLITICAL PARTICIPATION AS AFFECTED BY CURRENT SOCIO-ECONOMIC CONDITIONS AND THEIR HISTORICAL ANTECEDENTS.
PREREQUISITE: 6 HOURS OF SOCIOLOGY OR CONSENT OF INSTRUCTOR.
- SOC 4324 DEMOGRAPHY OF THE SOUTHWEST. (FALL)
AN ANALYSIS OF THE IMPACT OF DEMOGRAPHIC FACTORS (DISTRIBUTION, COMPOSITION, MIGRATION, GROWTH AND VITAL RATES) ON THE EVOLUTION OF THE ECONOMIC, POLITICAL AND SOCIAL PROBLEMS OF TODAY'S SOUTHWEST. FOLLOWING AN INTRODUCTORY SURVEY OF THE DEMO-HISTORICAL BACKGROUND OF THE AREA, ATTENTION WILL BE FOCUSED ON THE SIGNIFICANCE OF POST 1910 DEVELOPMENTS IN CHANGING ETHNIC COMPOSITION AND ROLES.
- SOC 4333 SOCIAL THEORY. (SPRING)
A SURVEY OF HISTORICAL DEVELOPMENT AND THE THEORIES OF MAJOR SOCIOLOGISTS.
PREREQUISITE: 9 HOURS OF SOCIOLOGY OR CONSENT OF INSTRUCTOR.
- SOC 4343 SOCIAL DEMOGRAPHY. (FALL, EVEN YEARS)
A STUDY OF POPULATION DISTRIBUTION COMPOSITION, GROWTH MIGRATION AND VITAL PROCESSES.
PREREQUISITE: 6 HOURS OF SOCIOLOGY OR CONSENT OF INSTRUCTOR. (FORMERLY SOC. 3343, MAY NOT BE REPEATED FOR CREDIT.)
- SOC 4353 SOCIAL STRATIFICATION.
A STUDY OF SOCIAL CLASSES, SOCIAL STATUS OR PRESTIGE; AND SOCIAL POWER IN HISTORICAL AND CONTEMPORARY SOCIETIES WITH ATTENTION TO MAJOR THEORIES OF SOCIAL STRATIFICATION.
PREREQUISITE: 6 HOURS OF SOCIOLOGY, INCLUDING SOC. 1313.
- SOC 4354 SOCIOLOGY OF POVERTY.
ANALYSIS OF SOCIAL ORGANIZATION AND SOCIAL BEHAVIOR UNDER CONDITIONS OF SCARCITY AND DEPRIVATION. EXAMINES THE INTERSTRUCTURAL RELATIONSHIP BETWEEN THE POOR AND MAJOR SOCIAL INSTITUTIONS (E.G., GOVERNMENT, RELIGION, ECONOMICS, FAMILY) AND THE INTRASTRUCTURAL RELATIONSHIPS (E.G., RECREATION, KIN AND PEER NETWORKS, NUCLEAR FAMILY).
PREREQUISITE: 6 HOURS OF SOCIOLOGY OR CONSENT OF INSTRUCTOR.
- SOC 4363 SOCIETY OF MODERN MEXICO.
FAMILY, COMMUNITY, INDUSTRIALIZATION AND URBANIZATION IN MODERN MEXICO.
PREREQUISITE: 6 HOURS OF SOCIOLOGY OR CONSENT OF INSTRUCTOR.
- SOC 4373 LATIN AMERICAN INSTITUTIONS. (SPRING, ODD YEARS.)
THE DEVELOPMENT, STRUCTURE AND FUNCTIONING OF THE MAJOR SOCIAL INSTITUTIONS IN LATIN AMERICAN COUNTRIES.
PREREQUISITE: 6 HOURS OF SOCIOLOGY OR CONSENT OF INSTRUCTOR.
- SOC 4387 SPECIAL SOCIO-CULTURAL ISSUES.
DESIGNED TO GIVE STUDENTS EXPERIENCE IN SIGNIFICANT SOCIO-CULTURAL ISSUES. PROJECTS AND OPPORTUNITIES ARE VARIED ACCORDING TO STUDENT INTEREST AND AVAILABILITY OF FACULTY. SEQUENTIAL REGISTRATION FOR UP TO NINE HOURS IS PERMITTED AS TOPICS VARY. MAY BE COUNTED AS SOCIOLOGY 4387, 4388, 4389 OR ANTHROPOLOGY 4387, 4388, 4389.
PREREQUISITE: 9 HOURS OF SOCIOLOGY AND/OR ANTHROPOLOGY AND CONSENT OF INSTRUCTOR.

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- SOC 4388 SPECIAL SOCIO-CULTURAL ISSUES.**
DESIGNED TO GIVE STUDENTS EXPERIENCE IN SIGNIFICANT SOCIO-CULTURAL ISSUES. PROJECTS AND OPPORTUNITIES ARE VARRIED ACCORDING TO STUDENT INTEREST AND AVAILABILITY OF FACULTY. SEQUENTIAL REGISTRATION FOR UP TO NINE HOURS IS PERMITTED AS TOPICS VARY. MAY BE COUNTED AS SOCIOLOGY 4387, 4388, 4389, OR ANTHROPOLOGY 4387, 4388, 4389.
PREREQUISITE: 9 HOURS OF SOCIOLOGY AND/OR ANTHROPOLOGY AND CONSENT OF INSTRUCTOR.
- SOC 4389 SPECIAL SOCIO-CULTURAL ISSUES.**
DESIGNED TO GIVE STUDENTS EXPERIENCE IN SIGNIFICANT SOCIO-CULTURAL ISSUES. PROJECTS AND OPPORTUNITIES ARE VARRIED ACCORDING TO STUDENT INTEREST AND AVAILABILITY OF FACULTY. SEQUENTIAL REGISTRATION FOR UP TO NINE HOURS IS PERMITTED AS TOPICS VARY. MAY BE COUNTED AS SOCIOLOGY 4387, 4388, 4389, OR ANTHROPOLOGY 4387, 4388, 4389.
PREREQUISITE: 9 HOURS OF SOCIOLOGY AND/OR ANTHROPOLOGY AND CONSENT OF INSTRUCTOR.
- SOC 5313 AMERICAN MINORITIES**
A STUDY OF THE PRINCIPAL MINORITY GROUPS IN AMERICAN SOCIETY AND THEIR SOCIOLOGICAL SIGNIFICANCE; PROBLEMS OF INTERGROUP RELATIONS, SOCIAL MOVEMENTS, AND RELATED SOCIAL CHANGES OCCURRING ON THE CONTEMPORARY AMERICAN SCENE. A RESEARCH PROJECT AND SUPPORTING SPECIALIZED READINGS WILL BE EMPHASIZED.
PREREQUISITES: 9 SEMESTER HOURS OF SOCIOLOGY.
- SOC 5323 THE MEXICAN-AMERICANS**
PRESENTS MEXICAN-AMERICAN AND ANGLO CONTACTS AND RELATIONS IN THE UNITED STATES FROM COLONIAL TIMES TO THE PRESENT, WITH SPECIAL EMPHASIS ON THE SOUTHWESTERN UNITED STATES. SOCIAL, ECONOMIC AND CULTURAL DIFFERENCES ARE EMPHASIZED. SPECIAL ATTENTION IS GIVEN TO CHANGES OCCURRING AMONG MEXICAN-AMERICANS IN THE LAST FEW YEARS AND HOW THIS IS AFFECTING MEXICAN-AMERICAN-ANGLO RELATIONSHIPS. STUDENTS WILL HAVE TO DO A RESEARCH PROJECT USING PRIMARY RESOURCES AS PART OF THE COURSE REQUIREMENTS.
- SOC 5324 SOUTHWESTERN DEMOGRAPHY**
A STUDY OF DEMOGRAPHIC FACTORS IN THE SOUTHWESTERN UNITED STATES AND THEIR USE AS INDICATORS OF THE SOCIAL AND ECONOMIC PROBLEMS OF THREE DIFFERENT ETHNIC GROUPS: MEXICAN-AMERICANS, BLACKS AND ANGLOS. EMPHASIS WILL BE GIVEN TO THE SOURCES OF DATA AND TO THE ANALYSIS AND INTERPRETATION OF SUCH DATA.
- SOC 5343 POPULATION PROBLEMS**
A STUDY OF POPULATION DISTRIBUTION, COMPOSITION, GROWTH, MIGRATION AND VITAL PROCESSES. A RESEARCH PROJECT AND SUPPORTING SPECIALIZED READINGS WILL BE EMPHASIZED.
PREREQUISITE: 6 SEMESTER HOURS IN SOCIOLOGY.
- SOC 5353 STRATIFICATION**
AN EXAMINATION OF CLASS, STATUS, AND POWER IN SOCIETY, ESPECIALLY MODERN SOCIETY, AND OF SOME OF THE CONSEQUENCES OF STRATIFICATION SYSTEMS. THE PATTERNS AND PROCESSES OF CONFLICT AND ACCOMODATION AMONG DIFFERENT CLASSES AND PROBLEMS OF INDIVIDUAL MOBILITY WILL BE EXAMINED.
PREREQUISITE: 6 SEMESTER HOURS OF SOCIOLOGY.
- SPAN 1301 BEGINNING SPANISH.**
A COURSE DESIGNED TO DEVELOP THE ABILITY TO UNDERSTAND, SPEAK, READ AND WRITE THE SPANISH LANGUAGE. OPEN ONLY TO PERSONS WHOSE NATIVE TONGUE IS NOT SPANISH.
- SPAN 1302 BEGINNING SPANISH.**
A CCNTINUATION OF SPANISH 1301.
PREREQUISITE: SPANISH 1301.

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- SPAN 1303 BEGINNING SPANISH.
A COURSE DESIGNED TO DEVELOP THE ABILITY TO READ AND WRITE THE SPANISH LANGUAGE. FOR STUDENTS WHOSE NATIVE LANGUAGE IS SPANISH BUT WHO HAVE NOT STUDIED IT.
- SPAN 1304 BEGINNING SPANISH.
A CONTINUATION OF SPANISH 1303.
PREREQUISITE: SPANISH 1303.
- SPAN 2301 INTERMEDIATE SPANISH.
A COMPREHENSIVE REVIEW OF SPANISH GRAMMAR AND A STUDY OF LITERARY SELECTIONS.
- SPAN 2302 INTERMEDIATE SPANISH.
A CONTINUATION OF SPANISH 2301.
PREREQUISITE: 2301.
- SPAN 3301 SPANISH LITERATURE (1100-1750).
A SURVEY OF THE LITERATURE OF SPAIN FROM THE BEGINNING OF ROMANTICISM. GIVEN IN SPANISH.
PREREQUISITE: SPANISH 2301, 2302.
- SPAN 3302 SPANISH LITERATURE (1750 TO OUR TIMES).
A SURVEY OF THE LITERATURE OF SPAIN FROM ROMANTICISM TO THE MODERN PERIOD. GIVEN IN SPANISH.
PREREQUISITE: SPANISH 2301, 2302.
- SPAN 3303 ADVANCED SPANISH COMPOSITION.
INTENSIVE TRAINING IN SPANISH COMPOSITION, INCLUDING CLASS PUBLICATION OF MATERIAL IN SPANISH. GIVEN IN SPANISH.
PREREQUISITE: SPANISH 2301, 2302.
- SPAN 3304 ADVANCED SPANISH COMPOSITION.
ADDITIONAL WORK IN COMPOSITION SIMILAR TO SPANISH 3303. GIVEN IN SPANISH.
PREREQUISITE: SPANISH 2301, 2302.
- SPAN 3305 ADVANCED GRAMMAR AND SYNTAX.
A CAREFUL EXAMINATION OF THE STRUCTURE OF SPANISH AS SHOWN IN CONTEMPORARY TEXTS. GIVEN IN SPANISH.
PREREQUISITE: SPANISH 2301, 2302.
- SPAN 3306 PHONETICS.
EMPHASIS ON A PRACTICAL MASTERY AND ON PRICIPLES OF TEACHING PRONUNCIATION. GIVEN IN SPANISH.
PREREQUISITE: SPANISH 2301, 2302.
- SPAN 3307 THE GOLDEN AGE OF SPANISH LITERATURE.
A CRITICAL STUDY OF SIGNIFICANT GOLDEN AGE WORKS. GIVEN IN SPANISH.
PREREQUISITE: SPANISH 2301, 2302.
- SPAN 3308 SPANISH GRAMMAR AND COMPOSITION FOR THE CLASSROOM TEACHER.
THE STUDY OF THE SPANISH LANGUAGE APPLICABLE TO THE CONCERNS OF THE CONCERNS OF THE ELEMENTARY CLASSROOM. SKILLS AND KNOWLEDGE IN BASIC INSTRUCTIONAL SPANISH LANGUAGE VARIETIES IN THE SCHOOL AND THE COMMUNITY ARE ELEMENTS OF THIS COURSE. A STRONG APPLICATION TO THE SPANISH OF THE BILINGUAL CLASSROOM IS STRESSED.
PREREQUISITE: SPAN 2301, 2302. GIVEN IN SPANISH.
- SPAN 3316 THE MEXICAN NOVEL.
THE STUDY OF THE MAJOR NOVELS OF MEXICO FROM THE EARLY BEGINNING TO THE PRESENT. GIVEN IN SPANISH.

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- SPAN 4301 SPANISH-AMERICAN LITERATURE (1500-1800)
THE LITERATURE OF SOUTH AMERICAN COUNTRIES FROM COLONIAL TIMES TO ROMANTICISM. BOTH INDIVIDUAL WORKS AND ANTHOLOGIES ARE READ. GIVEN IN SPANISH.
PREREQUISITE: SPANISH 2301, 2302.
- SPAN 4302 SPANISH-AMERICAN LITERATURE (1800 TO OUR TIMES).
THE LITERATURE OF SOUTH AMERICAN COUNTRIES FROM 1800 DOWN THROUGH MODERNISM AND OUR DAY. BOTH INDIVIDUAL WORKS AND ANTHOLOGIES ARE READ. GIVEN IN SPANISH.
PREREQUISITE: SPANISH 2301, 2302.
- SPAN 4303 SPANISH CIVILIZATION.
A SURVEY COURSE COVERING THE ENTIRE RANGE OF IBERIAN HISTORY AND OUTLINING THE MAJOR DIFFERENCES BETWEEN SPANISH CULTURE AND THE CULTURES OF OTHER WESTERN NATIONS. GIVEN IN SPANISH.
PREREQUISITE: SPANISH 2301, 2302.
- SPAN 4304 SPANISH LYRIC POETRY.
A SURVEY OF LYRIC POETRY FROM ITS BEGINNING TO THE PRESENT. GIVEN IN SPANISH.
- SPAN 4305 CERVANTES.
A STUDY OF THE PRINCIPAL WORKS OF MIGUEL DE CERVANTES WITH PARTICULAR EMPHASIS ON THE "DON QUIXOTE," GIVEN IN SPANISH.
- SPAN 4306 HISTORY OF THE SPANISH LANGUAGE.
A STUDY OF THE DEVELOPMENT OF SPANISH AS A LANGUAGE, FROM ITS BEGINNING.
- SPAN 4307 THE SPANISH-AMERICAN NOVEL.
A SURVEY OF THE NOVEL OF SPANISH AMERICA FROM THE PERIQUILLO SARNIENTO TO THE PRESENT. GIVEN IN SPANISH.
PREREQUISITES: SPANISH 2301, 2302.
- SPAN 4308 MEDIEVAL SPANISH LITERATURE.
A STUDY OF THE PRINCIPAL LITERARY WORKS OF SPAIN FROM EL CID TO THE ROMANCERO. GIVEN IN SPANISH.
PREREQUISITE: SPAN, 2301, 2302.
- SPAN 4309 CONTEMPORARY SPANISH LITERATURE.
A STUDY OF THE PRINCIPAL LITERARY WORKS OF SPAIN FROM THE GENERATION OF 1896 TO THE PRESENT. GIVEN IN SPANISH.
PREREQUISITE: SPAN, 2301, 2302.
- SPAN 4311 MEXICAN LITERATURE. (1500 TO 1850)
A SURVEY OF THE LITERATURE OF MEXICO FROM COLONIAL TIMES TO ROMANTICISM. GIVEN IN SPANISH.
PREREQUISITE: SPAN, 2301, 2302.
- SPAN 4312 MEXICAN LITERATURE. (1850 TO PRESENT)
A SURVEY OF THE LITERATURE OF MEXICO FROM ROMANTICISM TO THE MODERN PERIOD. GIVEN IN SPANISH.
PREREQUISITE: SPAN, 2301, 2302.
- SPAN 4313 CONTRASTIVE PHONOLOGY.
A COMPARISON OF ENGLISH AND SPANISH SOUND SYSTEMS PROVIDING DETAILED STUDY OF THE PHONEMIC AND SIMILARITIES AND DIFFERENCES OF THE LANGUAGES. COURSE OPEN ONLY TO STUDENTS WITH PROFICIENCY IN BOTH ENGLISH AND SPANISH. MAY BE COUNTED AS ENGLISH OR SPANISH 4313.
PREREQUISITE: ENGLISH 3318, ENGLISH 3319, OR SPANISH 3306.

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- SPAN 4314 CONTRASTIVE GRAMMAR.
A COMPARISON OF ENGLISH AND SPANISH GRAMMATICAL SYSTEMS WITH EMPHASIS ON SUBSTANTIVE AND DESCRIPTIVE PROBLEMS ARISING FROM THE DIFFERENCES IN THE SYSTEMS. COURSE OPEN ONLY TO STUDENTS WITH PROFICIENCY IN BOTH ENGLISH AND SPANISH. MAY BE COUNTED AS ENGLISH OR SPANISH 4314.
PREREQUISITE: ENGLISH 4302 OR SPANISH 3305.
- SPAN 4315 CONTEMPORARY DRAMA AND POETRY OF SPANISH AMERICA
A STUDY OF THE PRINCIPAL INFLUENCES AND MAIN AUTHORS WITH EMPHASIS ON THE MOST RECENT ARTIST WORKS IN BOTH GENRES. GIVEN IN SPANISH.
- SPAN 5301 SPANISH-AMERICAN LITERATURE (1500-1800)
A CRITICAL STUDY OF THE LITERATURE OF SOUTH AMERICA FROM COLONIAL TIMES TO ROMANTICISM. GIVEN IN SPANISH.
PREREQUISITES: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.
- SPAN 5302 SPANISH-AMERICAN LITERATURE (1800 TO OUR TIMES)
A CRITICAL STUDY OF THE LITERATURE OF SOUTH AMERICA FROM 1800 TO THE PRESENT. GIVEN IN SPANISH.
PREREQUISITES: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.
- SPAN 5303 SPANISH CIVILIZATION
A CRITICAL STUDY OF THE PHYSICAL, RACIAL, HISTORICAL AND CULTURAL ASPECTS OF SPANISH CIVILIZATION FROM THE EARLY DAYS TO THE PRESENT. GIVEN IN SPANISH.
PREREQUISITES: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.
- SPAN 5307 THE SPANISH-AMERICAN NOVEL
A CRITICAL STUDY OF THE NOVEL OF SOUTH AMERICA FROM THE PERIQUILLO SARNIENTO TO PRESENT. GIVEN IN SPANISH.
PREREQUISITES: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.
- SPAN 5343 PROBLEMS IN COMPARATIVE PHONOLOGY
ANALYSIS AND DESCRIPTION OF THE PHONOLOGY OF SPANISH AND ENGLISH WITH EMPHASIS ON SIMILARITIES AND DIFFERENCES. PRACTICAL PROBLEMS OF PRODUCTION AND DESCRIPTION CONSIDERED. COURSE OPEN ONLY TO STUDENTS WITH PROFICIENCY IN BOTH SPANISH AND ENGLISH. GIVEN IN SPANISH AND ENGLISH.
PREREQUISITES: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.
- SPAN 5344 PROBLEMS IN COMPARATIVE SYNTAX
ANALYSIS AND DESCRIPTION OF THE GRAMMATICAL SYSTEMS OF SPANISH AND ENGLISH. SPECIAL STUDY OF THE PRACTICAL PROBLEMS OF PRODUCTION AND DESCRIPTION. COURSE OPEN ONLY TO STUDENTS WITH PROFICIENCY IN BOTH SPANISH AND ENGLISH. GIVEN IN SPANISH AND ENGLISH.
- SPAN 6300 METHODS OF BIBLIOGRAPHY AND RESEARCH
AN INTENSIVE STUDY IN THE PROCEDURES OF CRITICAL ANALYSIS AND IN BIBLIOGRAPHICAL RESEARCH. GIVEN IN SPANISH.
PREREQUISITES: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.
- SPAN 6305 CERVANTES
A CRITICAL STUDY OF THE PRINCIPAL WORKS OF MIGUEL DE CERVANTES. GIVEN IN SPANISH.
PREREQUISITES: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.
- SPAN 6306 PHONETICS
A CRITICAL ANALYSIS OF THE PRINCIPLES OF TEACHING PRONUNCIATION WITH PARTICULAR EMPHASIS ON A PRACTICAL MASTERY OF SPANISH PRONUNCIATION. GIVEN IN SPANISH.
PREREQUISITES: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.
- SPAN 6307 ADVANCED SPANISH GRAMMAR AND COMPOSITION FOR THE CLASSROOM

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TEACHER

AN EXAMINATION OF THE SPANISH LANGUAGE CONCERNS OF PUBLIC EDUCATORS AS APPLICABLE TO THE ELEMENTARY CLASSROOM. SKILLS AND KNOWLEDGE IN BASIC COMMUNICATION, ITS THEORETICAL PRINCIPLES AND THE VARIETIES OF LANGUAGE FUNCTION AND STYLE IN THE SCHOOL AND COMMUNITIES ARE ELEMENTS OF THIS STUDY. A STRONG APPLICATION TO THE SPANISH OF THE BILINGUAL CLASSROOM IS STRESSED. GIVEN IN SPANISH AND ENGLISH.

- SPAN 6308 MEDIEVAL SPANISH LITERATURE
A CRITICAL STUDY OF THE OUTSTANDING LITERARY WORKS OF SPAIN FROM EL CID TO THE ROMANCERO. GIVEN IN SPANISH.
PREREQUISITE: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.
- SPAN 6309 CONTEMPORARY SPANISH LITERATURE
A CRITICAL STUDY OF THE OUTSTANDING LITERARY WORKS OF SPAIN FROM THE GENERATION OF 1898 TO THE PRESENT. GIVEN IN SPANISH.
PREREQUISITE: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.
- SPAN 6313 HISTORY OF THE SPANISH LANGUAGE
A DETAILED STUDY OF THE GROWTH OF THE SPANISH LANGUAGE FROM THE BEGINNING TO THE PRESENT. GIVEN IN SPANISH.
PREREQUISITE: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.
- SPAN 6331 SPECIAL STUDIES IN THE GOLDEN AGE
SPECIAL TOPICS FROM THE VAST LITERATURE OF THE SPANISH GOLDEN AGE. THE COURSE MAY BE REPEATED A SECOND TIME WHEN THE TOPIC VARIES. GIVEN IN SPANISH.
PREREQUISITES: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.
- SPAN 6332 THE PICARESQUE NOVEL
A CRITICAL STUDY OF SEVERAL OUTSTANDING PICARESQUE NOVELS. GIVEN IN SPANISH.
PREREQUISITE: TWELVE HOURS OF ADVANCED SPANISH AND GRADUATE STANDING.
- SPAN 6333 GRADUATE SPANISH COMPOSITION
AN EXAMINATION OF MODERN SPANISH BUSINESS, EPISTOLARY, JOURNALISTIC AND POLEMIC STYLES. ORIGINAL COMPOSITIONS ON TOPICS OF CURRENT INTEREST. GIVEN IN SPANISH.
PREREQUISITE: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.
- SPAN 6334 GRADUATE SPANISH GRAMMER
A DETAILED STUDY OF THE STRUCTURE, MORPHOLOGY AND SYNTAX OF SPANISH.
PREREQUISITES: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.
- SPAN 6335 THE GENERATION OF 1898
A STUDY OF THE PRINCIPAL WRITERS OF THE GENERATION OF 1898. GIVEN IN SPANISH.
- SPAN 6336 SPANISH LINGUISTICS
ADVANCED TOPICS IN SPECIALIZED ASPECTS OF SPANISH LINGUISTICS AND EXAMINATION OF VARIOUS METHODS OF LINGUISTIC ANALYSIS IN SPANISH. GIVEN IN SPANISH.
PREREQUISITE: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.
- SPAN 6337 SPECIAL STUDIES IN MEXICAN LITERATURE
SPECIAL TOPICS FROM THE FIELD OF MEXICAN LITERATURE. THIS COURSE MAY BE REPEATED A SECOND TIME WHEN THE TOPIC VARIES.
PREREQUISITES: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.
- SPAN 6338 SPECIAL STUDIES IN MEXICAN LITERATURE

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SPECIAL TOPICS FROM THE FIELD OF MEXICAN LITERATURE. THIS COURSE MAY BE REPEATED A SECOND TIME WHEN THE TOPIC VARIES.
PREREQUISITE: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.

SPAN 6339 SPECIAL STUDIES IN SPANISH-AMERICAN LITERATURE
SPECIAL TOPICS FROM THE FIELD OF SPANISH-AMERICAN LITERATURE. THIS COURSE MAY BE REPEATED A SECOND TIME WHEN THE TOPIC VARIES.
PREREQUISITES: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.

SPAN 6340 SPECIAL STUDIES IN SPANISH-AMERICAN LITERATURE
SPECIAL TOPICS FROM THE FIELD OF SPANISH-AMERICAN LITERATURE. THIS COURSE MAY BE REPEATED A SECOND TIME WHEN THE TOPIC VARIES.
PREREQUISITES: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.

SPAN 6341 SPECIAL STUDIES IN SPANISH LITERATURE
SPECIAL TOPICS FROM THE FIELD OF SPANISH LITERATURE. THIS COURSE MAY BE REPEATED A SECOND TIME WHEN THE TOPIC VARIES.
PREREQUISITES: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.

SPAN 6342 SPECIAL STUDIES IN SPANISH LITERATURE
SPECIAL TOPICS FROM THE FIELD OF SPANISH LITERATURE. THIS COURSE MAY BE REPEATED A SECOND TIME WHEN THE TOPIC VARIES.
PREREQUISITES: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.

SPAN 6343 CONTEMPORARY SPANISH-AMERICAN DRAMA
A STUDY OF THE OUTSTANDING DRAMATISTS OF CONTEMPORARY SPANISH-AMERICA AND THEIR PRINCIPAL LITERARY WORKS. GIVEN IN SPANISH.
PREREQUISITES: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.

SPAN 6351 NINETEENTH CENTURY SPANISH LITERATURE
A STUDY OF THE OUTSTANDING WRITERS OF NINETEENTH-CENTURY SPAIN AND THEIR PRINCIPAL LITERARY WORKS. GIVEN IN SPANISH.
PREREQUISITES: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.

SPAN 6352 NINETEENTH CENTURY SPANISH-AMERICAN LITERATURE
A STUDY OF THE OUTSTANDING WRITERS OF NINETEENTH-CENTURY SPANISH-AMERICA AND THEIR PRINCIPAL LITERARY WORKS. GIVEN IN SPANISH.
PREREQUISITE: GRADUATE STANDING AND TWELVE HOURS OF ADVANCED SPANISH.

SPAN 7300 THESIS

SPAN 7301 THESIS

SPEE 1101 PARLIAMENTARY PROCEDURES (FALL)
A STUDY OF THE PRINCIPLES AND PRACTICE OF EXECUTING THE RULES OF PARLIAMENTARY PROCEDURE, DUTIES OF OFFICERS, COMMITTEE PROCEDURES AND REGULATIONS FOR DRAFTING CONSTITUTIONS AND BY-LAWS.

SPEE 1102 FORENSICS
DIRECTED STUDENT PARTICIPATION IN INTERCOLLEGIATE FORENSIC ACTIVITIES; STUDY AND PREPARATION OF INDIVIDUAL FORENSIC EVENTS AS ORATORY, EXTEMPORANEOUS SPEAKING AND ORAL INTERPRETATION; RESEARCH AND APPLICATION OF CURRENT DEBATE TOPIC; QUALIFIED STUDENTS WILL PARTICIPATE IN COLLEGE FORENSIC TOURNAMENTS. ONE HOUR'S CREDIT REQUIRES 60 HOURS PARTICIPATION. OPEN TO ALL STUDENTS EVERY SEMESTER.

SPEE 1103 FORENSICS
DIRECTED STUDENT PARTICIPATION IN INTERCOLLEGIATE FORENSIC ACTIVITIES; STUDY AND PREPARATION OF INDIVIDUAL FORENSIC EVENTS AS ORATORY, EXTEMPORANEOUS SPEAKING AND ORAL INTERPRETATION; RESEARCH AND APPLICATION OF CURRENT DEBATE TOPIC; QUALIFIED STUDENTS WILL PARTICIPATE IN COLLEGE FORENSIC TOURNAMENTS. ONE HOUR'S CREDIT REQUIRES 60 HOURS PARTICIPATION. OPEN TO ALL STUDENTS EVERY SEMESTER.

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- SPEE 1300 SPEECH IMPROVEMENT**
COURSE INCLUDES AN ANALYSIS OF STUDENT SPEECH, CONCENTRATED DRILL ON ENGLISH SOUNDS, BI-LINGUAL LANGUAGE INTERFERENCE, LANGUAGE INTONATION PATTERNS, AND BODY MOVEMENT.
- SPEE 1301 VOICE AND PHONETICS**
AN INTRODUCTORY COURSE IN WHICH EMPHASIS IS DIRECTED TOWARD THE INTRODUCTION OF SPEECH SCIENCE BASICS AND THE CHARACTERISTICS OF PROPER VOICE AND DICTION. THE INTERNATIONAL PHONETIC ALPHABET IS UTILIZED TO TEACH AMERICAN ENGLISH SPEECH SOUNDS. STUDENTS LEARN TO MODIFY PERSONAL SPEECH AND/OR TEACH SPEECH MODIFICATION.
- SPEE 1302 FUNDAMENTALS OF SPEECH (FALL, SPRING, SUMMER)**
THIS COURSE SERVES AS AN INTRODUCTION TO THE PRINCIPLES OF INTRAPERSONAL, INTERPERSONAL AND MASS COMMUNICATION. STUDENTS LEARN THE VARIOUS ELEMENTS OF THE COMMUNICATION PROCESS THROUGH LECTURE AND CLASS DISCUSSIONS AND THE TYPES OF INTERPERSONAL INTERACTION BY PARTICIPATION IN INTERVIEWING, SMALL GROUPS AND PUBLIC SPEAKING. LOGICAL THINKING AS A BASIS FOR FORMULATION OF THE COMMUNICATION MESSAGE IS STRESSED.
- SPEE 1303 ORAL READING (FALL, SUMMER ON DEMAND)**
INTRODUCTION AND PRACTICE IN THE PRINCIPLES OF SPEECH APPLIED TO ORAL PRESENTATION OF LITERARY FORMS. OF PARTICULAR IMPORTANCE TO TEACHERS, MINISTERS, AND DRAMA AND RADIO STUDENTS. OPEN TO FRESHMEN WHO HAVE PASSED PROFICIENCY TEST.
- SPEE 2102 FORENSICS**
DIRECTED STUDENT PARTICIPATION IN INTERCOLLEGIATE FORENSIC ACTIVITIES; STUDY AND PREPARATION OF INDIVIDUAL FORENSIC EVENTS AS ORATORY, EXTEMPORANEOUS SPEAKING AND ORAL INTERPRETATION; RESEARCH AND APPLICATION OF CURRENT DEBATE TOPIC; QUALIFIED STUDENTS WILL PARTICIPATE IN COLLEGE FORENSIC TOURNAMENTS. ONE HOUR'S CREDIT REQUIRES 60 HOURS PARTICIPATION. OPEN TO ALL STUDENTS EVERY SEMESTER.
- SPEE 2103 FORENSICS**
DIRECTED STUDENT PARTICIPATION IN INTERCOLLEGIATE FORENSIC ACTIVITIES; STUDY AND PREPARATION OF INDIVIDUAL FORENSIC EVENTS AS ORATORY, EXTEMPORANEOUS SPEAKING AND ORAL INTERPRETATION; RESEARCH AND APPLICATION OF CURRENT DEBATE TOPIC; QUALIFIED STUDENTS WILL PARTICIPATE IN COLLEGE FORENSIC TOURNAMENTS. ONE HOUR'S CREDIT REQUIRES 60 HOURS PARTICIPATION. OPEN TO ALL STUDENTS EVERY SEMESTER.
- SPEE 2303 PRINCIPLES OF DISCUSSION (FALL, SPRING)**
A STUDY OF GROUP THEORY AND TECHNIQUE. STUDENTS OBSERVE AND PARTICIPATE IN SMALL GROUP DISCUSSIONS OF CONTEMPORARY ISSUES. GROUP INTERACTION, PROBLEM SOLVING, LEADERSHIP AND REASONING ARE EMPHASIZED.
- SPEE 2304 ADVANCED INTERPRETATION (SPRING)**
AN ADVANCED STUDY OF THE PROBLEMS OF ORAL INTERPRETATION OF VARIOUS LITERARY FORMS. RECOMMENDED FOR STUDENTS PREPARING TO TEACH LITERATURE, FOR STUDENTS INTERESTED IN RADIO, T.V. AND THE MINISTRY AND FOR SPEECH AND DRAMA MAJORS.
PREREQUISITE: SPEECH 1303 OR BY PERMISSION OF INSTRUCTOR.
- SPEE 2305 ARGUMENTATION AND DEBATE (FALL)**
STUDY OF THE PRINCIPLES OF ARGUMENTATION AND DEBATE, AUDIENCE ANALYSIS; BRIEFING AND REASONING, STRATEGY AND REFUTATION, DEBATES ON CURRENT QUESTIONS.
PREREQUISITE: SIX HOURS OF SPEECH INCLUDING SPEECH 1302, OR BY PERMISSION OF INSTRUCTOR.
- SPEE 2306 BUSINESS AND PROFESSIONAL SPEECH (FALL, SPRING, SUMMER)**
GEARED TO MEET THE NEEDS OF BUSINESS AND PROFESSIONAL PEOPLE, THIS

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COURSE INVESTIGATES SPEAKING APPLICABLE TO BUSINESS, COMMUNITY AND PROFESSIONAL LIFE. PRIMARILY A PERFORMANCE COURSE, SPEECH 2306 OFFERS STUDENTS EXPERIENCE IN THE PRACTICAL MATTERS OF PERSONAL INTERVIEWING, GROUP CONFERENCE, ORAL REPORTING, INFORMAL SALES PRESENTATION AND OTHER ASPECTS OF ORAL COMMUNICATION IMPORTANT TO THE AMERICAN BUSINESSMAN.
PREREQUISITE: SPEECH 1302 OR BY PERMISSION OF INSTRUCTOR.

SPEE 2307 INTRODUCTION TO SPEECH CORRECTION (FALL, SPRING, SUMMER ON DEMAND)

ANALYSIS OF SPEECH DEFECTS AND ARTICULATION PROBLEMS WITH EMPHASIS ON DIALECTAL PROBLEMS. FAMILIARIZATION WITH CLINICAL PRACTICE AND THERAPY. CREDIT MAY NOT BE EARNED FOR THIS COURSE IF CREDIT HAS BEEN EARNED PREVIOUSLY FOR SPEECH 4304 OR 3304.

SPEE 2308 ANATOMY AND PHYSIOLOGY OF THE SPEECH AND HEARING MECHANISM
A STUDY OF THE ANATOMICAL AND PHYSIOLOGICAL BASES OF THE SPEECH AND HEARING MECHANISM INCLUDING THE NEUROLOGICAL ASPECTS.

SPEE 2309 SPEECH PATHOLOGY I
IN DEPTH INVESTIGATION OF COMMUNICATION DISORDER TO INCLUDE DISORDERS OF ARTICULATION, VOICE AND RHYTHM WITH EMPHASIS ON TECHNIQUES AND MATERIALS FOR THERAPY. STRESS WILL BE ON THE PRACTICAL APPLICATION OF THEORY.
PREREQUISITE: SPEECH 2308, ANAT. & PHYSIO..

SPEE 2310 LANGUAGE DEVELOPMENT
THEORY OF NORMAL SPEECH AND LANGUAGE DEVELOPMENT TO INCLUDE PSYCHOLINGUISTIC CONSIDERATIONS. SPECIAL EMPHASIS ON THE ACQUISITION OF LANGUAGE IN THE BILINGUAL CHILD. INTRODUCTION TO DELAYED SPEECH AND LANGUAGE DEVELOPMENT.

SPEE 2315 INTRODUCTION TO RADIO AND TELEVISION
A SURVEY OF THE BROADCAST MEDIA BEGINNING WITH THE HISTORICAL PERSPECTIVE OF RADIO, THE COURSE MOVES TO AN EMPHASIS ON THE TELEVISION MEDIUM. THE COURSE INTRODUCES PRINCIPLES OF RADIO AND TV RATINGS, PROGRAMMING, ADVERTISING, NEWS AND FCC REGULATION. STUDENTS PRACTICE THE TECHNIQUES OF AUDIO AND VIDEO DELIVERY AND VISIT LOCAL EDUCATIONAL AND COMMERCIAL RADIO AND TV STATIONS.

SPEE 3102 FORENSICS
DIRECTED STUDENT PARTICIPATION IN INTERCOLLEGIATE FORENSIC ACTIVITIES; STUDY AND PREPARATION OF INDIVIDUAL FORENSIC EVENTS AS ORATORY, EXTEMPORANEOUS SPEAKING AND ORAL INTERPRETATION; RESEARCH AND APPLICATION OF CURRENT DEBATE TOPIC. QUALIFIED STUDENTS WILL PARTICIPATE IN COLLEGE FORENSIC TOURNAMENTS. ONE HOUR'S CREDIT REQUIRES 60 HOURS PARTICIPATION. OPEN TO ALL STUDENTS EVERY SEMESTER.

SPEE 3103 FORENSICS
DIRECTED STUDENT PARTICIPATION IN INTERCOLLEGIATE FORENSIC ACTIVITIES; STUDY AND PREPARATION OF INDIVIDUAL FORENSIC EVENTS AS ORATORY, EXTEMPORANEOUS SPEAKING AND ORAL INTERPRETATION; RESEARCH AND APPLICATION OF CURRENT DEBATE TOPIC; QUALIFIED STUDENTS WILL PARTICIPATE IN COLLEGE FORENSIC TOURNAMENTS. ONE HOUR'S CREDIT REQUIRES 60 HOURS PARTICIPATION. OPEN TO ALL STUDENTS EVERY SEMESTER

SPEE 3301 PLATFORM SPEAKING (SPRING, SUMMER ON DEMAND)
AN INTENSIVE STUDY OF THE METHODS OF SPEECH PREPARATION, THE TECHNIQUES OF PERSUASION AND AUDIENCE ANALYSIS. ORGANIZATION AND PRACTICE IN THE VARIOUS TYPES OF SPEECH WHICH ACT AS A MOTIVATING FORCE FOR HUMAN CONDUCT IN A DEMOCRATIC SOCIETY.
PREREQUISITE: SIX SEMESTER HOURS OF SPEECH INCLUDING SPEECH 1302, OR BY PERMISSION OF INSTRUCTOR.

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- SPEE 3303 SPEECH FOR THE CLASSROOM TEACHER (FALL, SPRING, SUMMER)**
A STUDY OF THE RELATIONSHIP OF THE TEACHER'S SPEECH PERSONALITY TO
DIRSIRABLE CLASSROOM TECHNIQUES AND OF SPEECH ACTIVITIES FOR GENERAL
SPANISH-SPEAKING CHILD, TO STORY-TELLING, POETRY INTERPRETATION,
DISCUSSION AND SPEECH CHOIR; THE COURSE INCLUDES A COMPARISON OF
ENGLISH-SPANISH PHONOLOGY AND POINTS UP THE PROBLEMS OF LANGUAGE
INTERFERENCE.
- SPEE 3305 SPEECH FOR THE HIGH SCHOOL TEACHER (FALL, SPRING, SUMMER ON
DEMAND)**
PLANNED FOR THE MAJOR OR MINOR STUDENT IN SECONDARY EDUCATION. STUDY
OFFERS ANALYSIS OF THE SPEECH HABITS OF THE INDIVIDUAL STUDENT WITH
A SUGGESTED IMPROVEMENT PROGRAM AND INCLUDES PERFORMANCE UNITS TO
AID THE STUDENT ACQUIRE GREATER POISE AND EASE OF PRESENTATION OF
CONTENT MATERIAL BEFORE GROUPS. DISCUSSION IS ALSO STRESSED AND THE
COURSE OFFERS THE STUDENT A BASIC KNOWLEDGE OF COMMUNICATION PROBLEMS
WITHIN A CLASSROOM.
- SPEE 3306 CREATIVE DRAMATICS FOR ELEMENTARY TEACHERS (FALL, SPRING,
SUMMER ON DEMAND)**
A STUDY OF INFORMAL DRAMA AND ITS APPLICATION TO THE ELEMENTARY
CLASSROOM WITH THE OBJECTIVE OF DEVELOPMENT OF CREATIVITY THROUGH
ORIGINAL DRAMATIZATIONS BY CHILDREN. OF SPECIAL INTEREST TO THE YOUNG
TEACHER. MAY ALSO BE COUNTED AS DRAMA 3306. CREDIT MAY NOT BE
OBTAINED FOR THIS COURSE IF CREDIT HAS BEEN EARNED FOR DRAMA 3304 OR
3306.
- SPEE 3308 CONTEMPORARY RHETORIC (SPRING, SUMMER ON DEMAND)**
A STUDY OF RHETORIC AS AN INSTRUMENT OF CHANGE WITHIN CURRENT POLITICAL
AND SOCIAL PROTEST MOVEMENTS. INCLUDES THEORIES FOR ANALYZING THE
STRATEGIES AND TACTICS OF AGITATION AND CONTROL. INVESTIGATION OF
TIMELY TOPICS CONDUCTED THROUGH THE STUDY OF PHAMPLETS, SPEECHES,
UNDERGROUND PUBLICATIONS, FILES, MUSIC, NONVERBAL SYMBOLS AND BODY
RHETORIC. ISSUES VARY WITH THE TIMES BUT INCLUDE SUCH MOVEMENTS AS
THE FAR RIGHT, NEW LEFT, BLACK POWER, CHICANO MOVEMENT AND WOMEN'S
LIBERATION.
PREREQUISITE: SIX SEMESTER HOURS OF SPEECH INCLUDING SPEECH 1302,
OR BY PERMISSION OF INSTRUCTOR.
- SPEE 3309 SPEECH PATHOLOGY II**
FURTHER INVESTIGATION OF COMMUNICATION DISORDERS TO INCLUDE LANGUAGE
DISORDERS, NUEROLOGICALLY RELATED DISORDERS AND PHYSICAL ANOMALIES
SUCH AS CLEFT PALATE WITH EMPHASIS ON THE MULTIPLE HANDICAPPED CHILD.
- SPEE 3310 AUDIOLOGY**
BASIC ORIENTATION TO AUDIOLOGY TO INCLUDE PHYSICS OF SOUND, ANATOMY
AND PHYSIOLOGY OF HEARING MECHANISM, PATHOLOGY OF HEARING AND
PURETONE AUDIOMETRIC TESTING.
- SPEE 3312 DIAGNOSTIC PROCEDURES**
STUDY OF DIAGNOSTIC TECHNIQUES AND SPECIFIC TESTS UTILIZED IN THE
EVALUATION OF DISORDERS OF COMMUNICATION WITH SPECIAL EMPHASIS ON
THE EVALUATION OF COMMUNICATION DISORDERS IN THE BILINGUAL CHILD.
- SPEE 4102 FORENSICS**
DIRECTED STUDENT PARTICIPATION IN INTERCOLLEGIATE FORENSIC ACTIVITIES;
STUDY AND PREPARATION OF INDIVIDUAL FORENSIC EVENTS AS ORATORY,
EXTEMPORANEOUS SPEAKING AND ORAL INTERPRETATION; RESEARCH AND
APPLICATION OF CURRENT DEBATE TOPIC; QUALIFIED STUDENTS WILL PARTICIPATE
IN COLLEGE FORENSIC TOURNAMENTS. ONE HOUR'S CREDIT REQUIRES 60 HOURS
PARTICIPATION. OPEN TO ALL STUDENTS EVERY SEMESTER.
- SPEE 4103 FORENSICS**

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DIRECTED STUDENT PARTICIPATION IN INTERCOLLEGIATE FORENSIC ACTIVITIES; STUDY AND PREPARATION OF INDIVIDUAL FORENSIC EVENTS AS ORATORY, EXTemporaneous SPEAKING AND ORAL INTERPRETATION; RESEARCH AND APPLICATION OF CURRENT DEBATE TOPIC; QUALIFIED STUDENTS WILL PARTICIPATE IN COLLEGE FORENSIC TOURNAMENTS. ONE HOUR'S CREDIT REQUIRES 60 HOURS PARTICIPATION. OPEN TO ALL STUDENTS EVERY SEMESTER.

SPEE 4306 METHODS OF TEACHING SPEECH (FALL, SUMMER ON DEMAND)
THIS COURSE INCLUDES A STUDY OF THOSE PHASES OF SPEECH METHODS NECESSARY TO TEACHING PRESENT-DAY COMMUNICATION IN THE PUBLIC SCHOOL. SPEECH CONCEPTS AND PROFICIENCIES ARE STRESSED AS WELL AS THE DEVELOPMENT OF LANGUAGE AND THE INTEGRATION OF SPEECH AS A RESOURCE AREA IN THE STUDY OF OTHER DISCIPLINES.

SPEE 4308 RHETORICAL CRITICISM AND PUBLIC ADDRESS (FALL, SUMMER ON DEMAND)

A STUDY OF THEORIES AND PRACTICE OF RHETORICAL CRITICISM AS APPLIED TO SIGNIFICANT HISTORICAL AND CONTEMPORARY SPEAKERS AND SPEECHES. INCLUDES THE EVOLUTION OF RHETORICAL THEORY FROM THE EARLY GREEKS TO THE PRESENT. PRINCIPLES OF CRITICISM ARE APPLIED TO SPEAKING AS PRACTICED WITHIN LEGISLATIVE BODIES, THE PULPIT, LAW COURTS, AND POPULAR ASSEMBLIES. SPEECHES ARE ANALYZED AS DYNAMIC EVENTS WITHIN THEIR CULTURAL AND HISTORICAL CONTEXTS.
PREREQUISITE: SIX SEMESTER HOURS OF SPEECH INCLUDING SPEECH 1302, OR BY PERMISSION OF INSTRUCTOR.

SPEE 4309 DIRECTING SPEECH ACTIVITIES IN THE JUNIOR AND SENIOR HIGH SCHOOL (SPRING)

A STUDY OF MATERIALS OF INTRAMURAL AND INTERSCHOOL SPEECH ACTIVITIES, IN BOTH JUNIOR AND SENIOR HIGH SCHOOLS AND OF THE METHODS OF CHOOSING AND TRAINING PARTICIPANTS IN THIS SPECIALIZED ACTIVITY.
PREREQUISITE: 12 SEMESTER HOURS IN SPEECH OR BY PERMISSION OF THE INSTRUCTOR. CREDIT MAY NOT BE OBTAINED FOR THIS COURSE IF CREDIT HAS BEEN EARNED PREVIOUSLY FOR SPEECH 4307 OR DRAMA 4309.

SPEE 4310 AUDITORY AND VISUAL COMMUNICATION
A STUDY OF THE METHODS AND TECHNIQUES UTILIZED IN THE AURAL REHABILITATION OF THE ACOUSTICALLY HANDICAPPED.

SPEE 4311 CLINICAL PRACTICUM
100 HOURS OF ACTUAL SUPERVISED CLINICAL PRACTICE WITH THE COMMUNICATIVELY HANDICAPPED INDIVIDUAL.

SPEE 4312 CLINICAL PRACTICUM
100 HOURS OF ACTUAL SUPERVISED CLINICAL PRACTICE WITH THE COMMUNICATIVELY HANDICAPPED INDIVIDUAL.

SPEE 5301 LABORATORY IN PLATFORM COMMUNICATION
A PRACTICAL LABORATORY APPROACH TO SPEECH PREPARATION AND PRESENTATION. A PERFORMANCE COURSE. STUDENTS ARE EXPECTED ALSO TO PARTICIPATE IN SEMINARS RELATING TO OTHER ASPECTS OF SPEAKING IN PUBLIC.

SPEE 5303 SPEECH SEMINAR FOR SPEECH TEACHERS
EXAMINATION OF THE TEACHER'S SPEECH AS IT AFFECTS THE STUDENTS AND WAYS IN WHICH THE TEACHER MAY HELP IN THE IMPROVEMENT OF THE STUDENT'S SPEECH.

SPEE 5309 DIRECTING ACTIVITIES IN SPEECH
A STUDY OF SPEECH ACTIVITIES, AS PRESCRIBED BY THE TEXAS UNIVERSITY INTERSCHOLASTIC LEAGUE, OF METHODS FOR ADAPTING UIL APPROVED MATERIALS FOR EFFECTIVE USE AND OF STAGING THESE ACTIVITIES.

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- STAT 2330 SURVEY OF ELEMENTARY STATISTICS**
THIS COURSE IS INTENDED TO PROVIDE THE STUDENT WITH AN ELEMENTARY OVERVIEW OF THE NATURE AND USES OF DESCRIPTIVE AND INTERFERENTIAL STATISTICS. THE COURSE IS COMMENDED FOR MAJORS OR MINORS IN BIOLOGY, BUSINESS, COMMUNITY SERVICES, LAW ENFORCEMENT, POLITICAL SCIENCE, PSYCHOLOGY, SOCIOLOGY, AND OTHERS WHO NEED THE ABILITY TO INTERPRET DATA AND MAKE SIMPLE STATISTICAL INFERENCES. THE COURSE EXPLORES NUMEROUS EXAMPLES FROM THE SOCIAL, LIFE, NATURAL AND PHYSICAL SCIENCES. TOPICS INCLUDE DESCRIPTIVE STATISTICS, MEASURES OF CENTRAL TENDENCY AND DISPERSION, SIMPLE PROBABILITY, TESTS OF HYPOTHESES AND ESTIMATION FOR BOTH LARGE AND SMALL SAMPLES, COMPARISONS, CHI-SQUARE TESTS, REGRESSION AND CORRELATION.
PREREQUISITE: MATH 1335 WITH A GRADE OF B OR BETTER; OR MATH 1340 WITH A GRADE OF C OR BETTER. THIS COURSE REPLACES STAT 1313 AND IS THE SAME AS MATH 2330. A STUDENT MAY USE STAT 2330 TO REPLACE A GRADE RECEIVED IN STAT 1313; HOWEVER, ONE MAY RECEIVE CREDIT FOR AT MOST ONE OF STAT 1313, STAT 2330 OR MATH 2330.
- STAT 3337 APPLIED STATISTICS I**
THIS COURSE PRESENTS A STUDY OF PROBLEMS IN ORGANIZING AND INTERPRETING STATISTICAL INFORMATION. TOPICS INCLUDE MEASUREMENTS OF CENTRAL TENDENCY; VARIATION; TRANSFORMED SCORES; SAMPLING ERROR AND THE CENTRAL LIMIT THEOREM; THEORETICAL FREQUENCY DISTRIBUTION; BINOMIAL, NORMAL T, F, AND CHI-SQUARE DISTRIBUTION; HYPOTHESIS TESTING; ESTIMATION; AND COMPUTER LABORATORY EXPERIENCE. WILL BE AN IMPORTANT PART OF THE COURSE.
PREREQUISITE: JUNIOR LEVEL STANDING, C S 1309, AND EITHER MATH 2315 OR MATH 1370. THIS COURSE REPLACES STAT 3308 (MATH 3308) AND IS THE SAME AS MATH 3337. A STUDENT MAY USE STAT 3337 TO REPLACE A GRADE RECEIVED IN STAT 3308; HOWEVER, ONE MAY RECEIVE CREDIT FOR AT MOST ONE OF STAT 3308, STAT 3337, MATH 3308 OR MATH 3337.
- STAT 3338 APPLIED STATISTICS II**
THIS COURSE IS A CONTINUATION OF STAT 3337 AND IS LARGELY CONCERNED WITH TECHNICAL PROBLEMS ENCOUNTERED IN PLANNING AND CONDUCTING STUDIES. TOPICS INCLUDE EXPERIMENTAL DESIGNS, COMPUTER LABORATORY EXPERIENCE WILL BE AN IMPORTANT PART OF THE COURSE.
PREREQUISITE: STAT OR MATH 3337. THIS COURSE REPLACES STAT 3309 (MATH 3309) AND IS THE SAME AS MATH 3338. A STUDENT MAY USE STAT 3338 TO REPLACE A GRADE RECEIVED IN STAT 3309; HOWEVER, ONE MAY RECEIVE CREDIT FOR AT MOST ONE OF MATH 3309, MATH 3338, STAT 3308 OR STAT 3338.
- STAT 4336 SAMPLING**
THIS COURSE SURVEYS THE BASIC ELEMENTS OF SAMPLING INCLUDING CONCEPTS OF POPULATION AND SAMPLE; THE ORGANIZATION OF A SAMPLE SURVEY; COVERAGE CONTENT ERROR; QUESTIONNAIRE DESIGN; BASIC SURVEY DESIGNS AND COMPUTATION OF ESTIMATES AND VARIANCES.
PREREQUISITE: STAT 3337 OR MATH 3337.
- STAT 4339 MATHEMATICAL STATISTICS I**
THIS COURSE INTRODUCES THE STUDENT TO THE MATHEMATICAL THEORY OF STATISTICS AND PROBABILITY. TOPICS INCLUDE PROBABILITY DENSITIES, MATHEMATICAL EXPECTATION, THE DISTRIBUTION OF LINEAR COMBINATIONS OF RANDOM VARIABLES AND THE CENTRAL LIMIT THEOREM.
PREREQUISITE: MATH 2347 WITH A GRADE OF C OR BETTER. THIS COURSE REPLACES STAT 4308 AND IS THE SAME AS MATH 4339. A STUDENT MAY USE STAT 4339 TO REPLACE A GRADE RECEIVED IN STAT 4308; HOWEVER, ONE MAY RECEIVE CREDIT FOR AT MOST ONE OF STAT 4308, STAT 4339 OR MATH 4339.
- STAT 4340 MATHEMATICAL STATISTICS II**
THIS COURSE IS A CONTINUATION OF STAT 4339. TOPICS INCLUDE A STUDY OF SAMPLING DISTRIBUTIONS ESTIMATION, TESTS OF HYPOTHESES, CORRELATION AND REGRESSION, AND THE ANALYSIS OF VARIANCE.
PREREQUISITE: STAT OR MATH 4339. THIS COURSE REPLACES STAT 4309 AND IS THE SAME AS MATH 4340. A STUDENT MAY USE STAT 4340 TO REPLACE A GRADE RECEIVED IN STAT 4309; HOWEVER ONE MAY RECEIVE CREDIT FOR AT MOST ONE OF STAT 4309, STAT 4340, OR MATH 4340.

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