

College of Multidisciplinary Studies

The College of Multidisciplinary Studies is a collaborative, innovative College composed of Divisions of Bicultural-Bilingual Studies, Education, Environmental Management and Special Programs. The unifying factor of its disparate Divisions is the orientation toward programs and problems to suit individual student needs and goals. Program formulation utilizes university-wide resources from the sciences, the humanities, business, and the fine arts.

DIVISION OF BICULTURAL-BILINGUAL STUDIES

The Division does not offer an undergraduate degree in Bicultural-Bilingual Studies. Support courses that may be taken as electives are designed to provide students with training in bilingual and second language learning and teaching, as well as in associated cultural studies. These courses are of particular interest to students in bilingual teacher education at the elementary and secondary levels and to those majoring in business, law, social work, public relations, journalism, etc., who wish to apply cultural knowledge in their careers.

The Division also offers courses in English as a Second Language designed to introduce students to the various strategies and methods of analysis of languages. Courses are designed for students who plan to teach second languages, but they are also of benefit to those who intend to teach in other areas or to enter fields that rely heavily on an understanding of language, such as communications, speech therapy, law, and business. Courses in English as a Second Language are also of value to those whose principal aim is to enlarge their understanding of the role that language plays in society.

COURSE DESCRIPTIONS

BICULTURAL-BILINGUAL STUDIES

(BBL)

3013 CONTRASTIVE LINGUISTICS AND BILINGUALISM

(3-0) 3 hours credit.

A historical and descriptive study of Spanish and English with major emphasis on the phonological and morphological aspects of the two languages. Problems of linguistic interference as applied to the bilingual in the Southwest will be explored along with means of dealing with these problems.

3023 MEXICAN-AMERICAN CULTURE

(3-0) 3 hours credit.

A sociological perspective on the Mexican-American in family life, in social institutions, in the economic and political life of the area. Includes an analysis of changing values and urbanization.

3033 THE MEXICAN-AMERICAN IN THE SOUTHWEST

(3-0) 3 hours credit.

Historical foundations of U.S.-Mexico biculturalism in the area. Factors in the development of the area during the colonial era are studied as background for the contemporary bicultural Southwest.

Mexican-American contributions to politics and economics of the area are considered, with primary emphasis on the political and economic aspects.

3043 PSYCHOLOGICAL CONSIDERATIONS IN A BICULTURAL ENVIRONMENT.

(3-0) 3 hours credit.

An introduction to: stereotyping versus psychological insights as applied in research, education, mental health, the legal system and interpersonal relations; psychological implications of the concept of disadvantagedness; psychological mechanisms in first and second language acquisition; cross-cultural studies in learning styles and their relevance to the bicultural classroom.

3133 COMMUNICATIVE COMPETENCE IN A SPANISH-ENGLISH BILINGUAL SOCIETY

(3-0) 3 hours credit.

An examination of the theories of first and second language acquisition; analysis of the characteristics of the nature of language. Development of strategies for developing bilingualism and application of these strategies to a bicultural-bilingual program.

4023 FOUNDATIONS OF BICULTURAL-BILINGUAL EDUCATION

(3-0) 3 hours credit.

A thorough investigation of the philosophies, research, and theories of bicultural-bilingual education as it relates to the learning process of individual children.

4063 TEACHING CONTENT IN A BICULTURAL-BILINGUAL EDUCATION PROGRAM

(3-0) 3 hours credit.

Investigation and evaluation of curriculum and materials available in different content areas appropriate for teaching children in a bicultural-bilingual program. Directed field experiences and micro-teaching in the target languages.

COURSE DESCRIPTIONS

ENGLISH AS A SECOND LANGUAGE

(ESL)

3013 APPLICATIONS OF LINGUISTICS I

(3-0) 3 hours credit.

A study of the applications of linguistics to the teaching of English to the non-native speaker: an overview.

3023 APPLICATIONS OF LINGUISTICS II

(3-0) 3 hours credit. Prerequisite: ESL 3013.

A study of the applications of linguistics to the teaching of English to the non-native speaker: English structure and the ESL teacher.

- 3033 INTRODUCTION TO TEACHING ENGLISH AS A SECOND/
FOREIGN LANGUAGE**
(3-0) 3 hours credit. Prerequisite: ESL 3013 or consent of instructor.
A study of the various theories and methods available for the teacher of English as a Second Language.
- 4033 ENGLISH AS A SECOND LANGUAGE IN EARLY CHILD-
HOOD AND ELEMENTARY EDUCATION**
(3-0) 3 hours credit. Prerequisite: ESL 3013
A course designed for examining, adapting, and utilizing approaches, methods, and techniques for English as a Second Language in early childhood and elementary school curriculum.
- 4043 ENGLISH AS A SECOND LANGUAGE IN SECONDARY AND
ADULT EDUCATION**
(3-0) 3 hours credit. Prerequisite: ESL 3013.
A course designed for examining, adapting, and utilizing approaches, methods, and techniques for English as a Second Language in secondary and adult education.

DIVISION OF EDUCATION

The Division of Education has a two-fold purpose: (1) to offer degree programs for students interested in education as a field of study and (2) in conjunction with other Divisions of UT San Antonio, to prepare students for Teacher Certification by providing the professional education component of all Teacher Certification Programs.

UT San Antonio serves a confluence of cultures. Students have continuing opportunities to observe classroom instruction of the diverse ethnic groups in the San Antonio metropolitan area. This enables students to make realistic and effective decisions about careers and suitable teaching strategies. By embarking upon professional associations, experiences, and observations during their college careers, students have time to consider carefully their commitments to the teaching profession. The undergraduate teacher education program provides students an adequate background for the broad profession of teaching as well as for working in the more localized setting of South and Central Texas.

At the undergraduate level, two degree programs are available, the Bachelor of Arts Degree in Early Childhood and Elementary Education and the Bachelor of Science Degree in Health and Physical Education. Although a degree in education and a teaching certificate are two different objectives, students wishing to be certified as elementary teachers or kindergarten teachers as well as students wishing to be certified as teachers of health and/or physical education at the elementary and/or secondary level should pursue one of these two degree programs in education. Students majoring in these two degree programs should enroll in professional education courses throughout the sophomore, junior, and senior years. In the first semester of their freshman year they should contact the Undergraduate Advisor of the Division of Education to facilitate program planning. Failure to do so may result in a longer degree program than might otherwise be required.

Any student at UTSA can elect to take education courses and if later admitted to a teacher education program, can petition to have the courses counted toward that program.

Students wishing to be certified as secondary school teachers in other academic areas follow degree programs in other Divisions of UT San Antonio and take courses for Teacher Certification in the Division of Education.³⁴

BACHELOR OF ARTS DEGREE IN EARLY CHILDHOOD AND ELEMENTARY EDUCATION

The minimum number of semester hours required for this degree, including the 50 hours of General Education Requirements, is 126, of which at least 57 must be at the upper-division level.

All candidates for the degree must complete:

- A. 24 semester hours in one of the three groups of courses listed below:

1. Elementary Education

- ECE 3213 Language Arts in the Elementary School
- ECE 3223 Social Science in the Elementary School
- ECE 3233 Mathematics in the Elementary School
- ECE 3303 Reading in the Primary Grades
- ECE 3313 Reading in the Intermediate Grades
- ECE 4133 The Expressive Modes of Children in the Elementary School
- ECE 4213 Science in the Elementary School
- ECE 4243 Second and Foreign Languages in the Elementary School

3 hours of upper-division electives in elementary education.

2. Early Childhood Education

- ECE 3103 Young Children's Literature and Story-telling
- ECE 3113 Play and Creative Activities in Early Childhood Education
- ECE 3123 Development and Learning in Early Childhood

³⁴A complete list of Certification Programs is contained in a brochure available from the Office of Teacher Certification and Placement.

- ECE 3133 Programs in Early Childhood Education
- ECE 4103 Guidance of Young Children in Groups
- ECE 4113 Language Development and Reading in Early Childhood Education
- ECE 4123 Parents and Community Resources in Early Childhood and Elementary Education

3 hours of approved upper-division electives.

3. Reading

- ECE 3323 Skill Development in the Reading Program
- ECE 4303 Introduction to Reading Problems
- ECE 4936 Practicum in Reading

12 hours of approved upper-division electives.

- B. 22 semester hours of course work in education, 21 of which are at the upper-division level.

Required courses are:

- EDU 2001 Introduction to the School Environment
- EDU 3003 Educational Sociology
- EDP 3013 Growth, Development and Learning Theories I
- EDP 4013 Growth, Development and Learning Theories II
- EDU 4013 Classroom Climate in the Elementary School
- EDU 4031 Media Technology
- EDU 4046 Student Teaching: Elementary³⁵
- EDU 4072 Individualized Clinical Experiences

- C. 30 semester hours of *free electives*, 12 of which must be at the upper-division level. Students interested in teaching handicapped children elect a 24 hour collateral field in special education. However, these electives may be taken from *any* Division of The University and for students seeking certificates may be used to satisfy a second teaching field.

³⁵EDU 4043 and EDU 4063 may substitute for EDU 4046. EDU 4086 or EDU 4083 and EDU 4043 may also substitute for EDU 4046. Students must inform the Director of Student Teaching of their plans to enroll in this course (these courses) one semester in advance.

BACHELOR OF SCIENCE DEGREE IN HEALTH AND PHYSICAL EDUCATION

The minimum number of semester hours for this degree, including the 50 hours of General Education Requirements,³⁶ is 126, of which at least 57 must be at the upper-division level.

All candidates for the degree must complete:

- A. 24 semester hours in Physical Education, or 24 semester hours in Health, or 24 semester hours in a combination of Health and Physical Education.

1. Physical Education

24 semester hours are required from the following:

- HPE 3403 The Foundations of Physical Education
- HPE 3413 The Elementary School Physical Education Program
- HPE 3423 The Secondary School Physical Education Program
- HPE 3433 Individual and Dual Lifetime Sports
- HPE 3443 Principles of Exercise and Physical Fitness
- HPE 4403 Motor Learning and Skill Performance
- HPE 4413 Coaching and Officiating
- HPE 4423 Adapted and Remedial Physical Education
- HPE 4433 Gymnastics

2. Health

24 semester hours are required from the following:

- HPE 3503 The Foundations of Health Education
- HPE 3513 The Elementary School Health Program
- HPE 3523 The Secondary School Health Program
- HPE 3533 Drug Education
- HPE 3543 Physical Growth and Development
- HPE 4503 Personal and Family Health
- HPE 4513 Consumer Health
- HPE 4523 Human Sexuality
- HPE 4533 Nutrition

³⁶Of the 15 hours of required electives listed as General Education Requirements, students must take three hours in Anatomy and Physiology and three hours in Kinesiology.

3. Health and Physical Education

24 semester hours are required from the 18 listed above under Physical Education and Health. These are to be selected in consultation with the student's Advisor.

- B. 22 semester hours of support work, 21 of which are at the upper-division level.

Required courses are:

EDU 2001 Introduction to the School Environment

EDU 3003 Educational Sociology

EDP 3013 Growth, Development and Learning Theories I

EDP 4013 Growth, Development and Learning Theories II

EDU 4013 Classroom Climate in the Elementary School *or*

EDU 4093 Classroom Climate in the Secondary School

EDU 4031 Media Technology

EDU 4046 Student Teaching: Elementary³⁷ *or*

EDU 4056 Student Teaching: Secondary

EDU 4072 Individualized Clinical Experiences

- C. 30 semester hours of *free electives*, 12 of which must be at the upper-division level. These may be taken from any Division of The University and for students seeking certificates can be used to satisfy a second teaching field.³⁸

All students selecting a degree in Health and Physical Education must elect 3 hours of HPE 1001 (Individual and Dual Physical Activity Sports) and 3 hours of HPE 1101 (Team Sports).

³⁷EDU 4043 and EDU 4063 may substitute for EDU 4046. EDU 4086 or EDU 4083 and EDU 4043 may also substitute for EDU 4046. Students must inform the Director of Student Teaching of their plans to enroll in this course (these courses) one semester in advance.

³⁸For students seeking certification, 129 hours are required to complete the dual requirements of the degree and the certificate.

COURSE DESCRIPTIONS

EARLY CHILDHOOD AND ELEMENTARY EDUCATION

(ECE)

- 3103 **YOUNG CHILDREN'S LITERATURE AND STORYTELLING**
(3-0) 3 hours credit.
A review of books, stories, and library materials including audio-visual materials and aids for young children. Students become acquainted with books for the very young, their authors and illustrators. Criteria for selection and methods of presentation are stressed. Practice is given in reading and telling stories to children.
- 3113 **PLAY AND CREATIVE ACTIVITIES IN EARLY CHILDHOOD EDUCATION**
(2-1) 3 hours credit.
A multi-arts integrated approach to fostering creative expression in young children through experiences in art, music, movement, dramatics, and play. Students develop materials, plan activities, and share ideas and skills.
- 3123 **DEVELOPMENT AND LEARNING IN EARLY CHILDHOOD**
(3-0) 3 hours credit.
Growth and development during infancy and early childhood. Reviews and integrates physical, social, emotional, and cognitive development. Includes motivation and early learning. Emphasizes individual differences, developmental assessment, need to optimize the match between developmental sequences and experience. Practice in observing and recording behavior.
- 3133 **PROGRAMS IN EARLY CHILDHOOD EDUCATION**
(3-0) 3 hours credit.
Review of historical, philosophical, and psychological foundations of nursery-kindergarten methods. Current trends and program models for day care, nursery school and kindergarten. Observations to be arranged.
- 3203 **EVALUATION AS FEEDBACK AND GUIDE IN ELEMENTARY EDUCATION**
(3-0) 3 hours credit.
A study of activities and developmental skills needed to carry out evaluation of different segments of life of the individual student.
- 3213 **LANGUAGE ARTS IN THE ELEMENTARY SCHOOL**
(3-0) 3 hours credit. Prerequisites: 3 hours Speech, 3 hours English Composition or consent of instructor.
A systematic study of teaching and learning activities in reading, spelling, composition, listening, and handwriting in the elementary school.
- 3223 **SOCIAL SCIENCE IN THE ELEMENTARY SCHOOL**
(3-0) 3 hours credit. Prerequisites: Completion of the General Education Requirements in history and government or consent of instructor.

- An overview of the purposes, selection, and organization of content, teaching, and learning procedures, and evaluation of outcomes in the elementary school social science program.
- 3233 MATHEMATICS IN THE ELEMENTARY SCHOOL**
 (3-0) 3 hours credit. Prerequisites: Completion of the General Education Requirements in mathematics or consent of instructor. An overview of the purposes, selection, and organization of content, teaching, and learning procedures, and evaluation of outcomes in the elementary school mathematics program.
- 3303 READING IN THE PRIMARY GRADES**
 (3-0) 3 hours credit. Prerequisites: Completion of the General Education Requirements in English or consent of instructor. Introduction to the basic principles of reading instruction, including readiness for reading, initial stages of reading development with emphasis on primary programs, individual differences among students. Observation of and participation in alternate methods and organizational patterns in a school setting.
- 3313 READING IN THE INTERMEDIATE GRADES**
 (3-0) 3 hours credit. Prerequisite: ECE 3303 or consent of instructor. Basic principles of reading instruction for grades 4, 5, and 6, including transfer of reading skills to content area reading, development of comprehension, word recognition, vocabulary, and rate. Observation of and participation in alternate methods and organizational patterns in a school setting.
- 3323 SKILL DEVELOPMENT IN THE READING PROGRAM**
 (2-3) 3 hours credit. Skill development in the perceptual and conceptual areas. Relationships between skill development, child development, and curriculum development. The skills in reading growth are viewed as developmental and interrelated.
- 4103 GUIDANCE OF YOUNG CHILDREN IN GROUPS**
 (3-0) 3 hours credit. Prerequisite: ECE 3123 or consent of instructor. A study of basic teaching skills; play as education, curriculum areas, program planning, and necessities of space, equipment, and supplies. It includes designing and evaluating activities to optimize learning and development. Participant-observation is an integral part of the course.
- 4113 LANGUAGE DEVELOPMENT AND READING IN EARLY CHILDHOOD EDUCATION**
 (3-0) 3 hours credit. Introduction to theories of language acquisition and development. Facilitating communication skills in young children and planning for the precocious reader. Relates principles of language learning to concepts of learning to read.

- 4123 **PARENTS AND COMMUNITY RESOURCES IN EARLY CHILDHOOD AND ELEMENTARY EDUCATION**
 (3-0) 3 hours credit. Prerequisite: EDU 3003 or consent of instructor.
 Increasing parental effectiveness through involvement and parent education; planning parent workshops, group meetings, parent-teacher conferences, and supportive programs. Students learn the techniques of interviewing and surveying children and family services and resources within the community.
- 4133 **THE EXPRESSIVE MODES OF CHILDREN IN THE ELEMENTARY SCHOOL**
 (3-0) 3 hours credit. Prerequisites: MUS 3653 or consent of instructor.
 Multi-cultural approach to the structuring of experiences for children in creative dramatics, creative musical expression, children's folklore, art projects, socio-dramatic play, rhythmic movement, creative verbal and non-verbal expression. Examination also of the varying roles of the teacher in these experiences.
- 4213 **SCIENCE IN THE ELEMENTARY SCHOOL**
 (3-0) 3 hours credit. Prerequisites: Completion of the General Education Requirements in science or consent of instructor.
 An overview of the purposes, selection, and organization of content, teaching, and learning procedures, and evaluation of outcomes in the elementary school science program.
- 4243 **SECOND AND FOREIGN LANGUAGES IN THE ELEMENTARY SCHOOL**
 (3-0) 3 hours credit. Prerequisites: Completion of the General Education Requirements in foreign language or consent of instructor.
 A review of past practices and present trends in second and foreign language teaching in the elementary school. Examination of the relation of the child's developmental levels, adult attitudes, and pressure group influences to second and foreign language teaching and learning.
- 4303 **INTRODUCTION TO READING PROBLEMS**
 (2-4) 3 hours credit. Prerequisite: 6 semester hours of reading courses.
 An intensive study of and laboratory experience in reading problems in the classroom, including causation. Diagnostic procedures and remedial measures in reading disability are developed.
- 4911-3 **INDEPENDENT STUDY**
 1-3 hours credit. Prerequisites: Permission in writing (form available) of the instructor, the student's Advisor, and the Division Director and Dean of the College in which the course is offered. Independent reading, research, discussion, and/or writing under the direction of a faculty member. May be repeated for credit, but not more than 6 hours of independent study, regardless of discipline, will apply to a bachelor's degree.

- 4933 PRACTICUM IN READING
 4936 3 or 6 hours credit. Prerequisite: 15 semester hours of reading courses or consent of instructor.
 Application of diagnostic and remedial procedures in small group situations. Guided field based experiences with weekly seminars designed to enrich the field experience.
- 4953 SPECIAL STUDIES IN EARLY CHILDHOOD AND ELEMENTARY EDUCATION
 (3-0) 3 hours credit. Prerequisite: Consent of instructor.
 An organized course offering specialized study not normally or not often available as part of the regular course offerings. Special Studies courses may be repeated for credit when the topics vary, but not more than 6 hours within any one discipline will apply to a bachelor's degree.

COURSE DESCRIPTIONS

EDUCATION

(EDU)

- 2001 INTRODUCTION TO THE SCHOOL ENVIRONMENT
 (1-0) 1 hour credit.
 Field observation of the life space of learners with campus-based discussions relating observations to implications for curricular content, behavioral expectations of value orientation and individual societal needs.
- 3003 EDUCATIONAL SOCIOLOGY
 (3-0) 3 hours credit. Prerequisite: EDU 2001.
 A study of the ways in which the school can effectively utilize the social process in developing and educating the individual and to show the interrelationships of the school with the family, the church, and other societal agencies particularly in the social and cultural setting of the Southwestern United States.
- 3303 READING COMPREHENSION SKILLS FOR SECONDARY TEACHERS
 (3-0) 3 hours credit.
 The nature of developmental reading programs at the secondary level, and reading skills needed in the content area fields.
- 4013 CLASSROOM CLIMATE IN THE ELEMENTARY SCHOOL
 (3-0) 3 hours credit. Prerequisites: EDP 3013, EDU 3003, concurrent enrollment in EDU 4043-6 and 4072, and permission of the Director of Student Teaching required. Students must inform the Director of Student Teaching of their plans to enroll in this course one semester in advance. The study of and practice in identifying and developing curricular materials, planning for instruction, developing effective elementary classroom climate, and evaluating instructional outcomes particularly in the context of the Southwestern United States; the methodology of instruction

as related to specific disciplines. (This course is offered in multiple sections according to the subject matter to be taught.)

4031 MEDIA TECHNOLOGY

(0-1) 1 hour credit.

Laboratory experience with the use of audio-visual equipment and materials in teaching.

4043 STUDENT TEACHING: ELEMENTARY

4046 3 or 6 hours credit. Prerequisites: EDP 3013, EDU 3003, 15 of the 24 hours in elementary methods (e.g., ECE 3213, 3223, 3233, 3303, 3313, 4133, 4213 and 4243) and permission of the Director of Student Teaching required. Students must inform the Director of Student Teaching of their plans to enroll in this course one semester in advance.

Field-based experiences in the elementary school.

4053 STUDENT TEACHING: SECONDARY

4056 3 or 6 hours credit. Prerequisites: EDP 3013, EDU 3003, and permission of the Director of Student Teaching required. Students must inform the Director of Student Teaching of their plans to enroll in this course one semester in advance.

Field-based experiences in the secondary school.

4063 STUDENT TEACHING: KINDERGARTEN

3 hours credit. Prerequisites: EDP 3013, EDU 3003, and permission of the Director of Student Teaching required. Students must inform the Director of Student Teaching of their plans to enroll in this course one semester in advance.

Field-based experiences at the kindergarten level.

4072 INDIVIDUALIZED CLINICAL EXPERIENCES

(0-2) 2 hours credit. Prerequisites: Concurrent enrollment in EDU 4046 or EDU 4043, plus EDU 4053 or the equivalent. Permission of the Director of Student Teaching required. Students must inform the Director of Student Teaching of their plans to enroll in this course one semester in advance.

A series of simulated and direct experiences planned to develop and improve competency components which have been identified as needs of the individual students. The experiences are designed to provide opportunities for students to further investigate and apply strategies related to teaching/learning situations or to apply corrective measures to diagnosed areas of weaknesses.

4083 STUDENT TEACHING: SPECIAL EDUCATION

4086 3 or 6 hours credit. Prerequisites: EDP 3013 and EDU 3003.

Permission of the Director of Student Teaching required. Students must inform the Director of Student Teaching of their plans to enroll in this course one semester in advance.

Field-based experiences in a special education classroom.

4093 CLASSROOM CLIMATE IN THE SECONDARY SCHOOL

(3-0) 3 hours credit. Prerequisites: EDP 3013, EDU 3003, concurrent enrollment in EDU 4053-6 and EDU 4072, and permission

of the Director of Student Teaching required. Students must inform the Director of Student Teaching of their plans to enroll in this course one semester in advance.

The study of and practice in identifying and developing curricular materials, planning for instruction, developing effective secondary classroom climate, and evaluating instructional outcomes, particularly in the context of the Southwestern United States; the methodology of instruction as related to specific disciplines. (This course is offered in multiple sections according to the subject matter to be taught.)

4953 SPECIAL STUDIES IN EDUCATION

(3-0) 3 hours credit. Prerequisite: Consent of instructor.

An organized course offering specialized study not normally or not often available as part of the regular course offerings. Special Studies courses may be repeated for credit when the topics vary, but not more than 6 hours within any one discipline will apply to a bachelor's degree.

COURSE DESCRIPTIONS
EDUCATIONAL PSYCHOLOGY
(EDP)

3013 GROWTH, DEVELOPMENT AND LEARNING THEORIES I
(3-0) 3 hours credit. Prerequisite: EDU 2001 or consent of instructor.

A study of developmental psychology: human motivation and behavior, the relationships between development and learning, and the special nature of "exceptional" children and youth as learners.

3603 INTRODUCTION TO EXCEPTIONALITY
(3-0) 3 hours credit.

A study of the nature and characteristics of exceptional children; educational and therapeutic services for exceptional children at the local, state, national and international level, as well as a study of demographics, etiology, and efficiency of delivery systems of services for exceptional children.

3623 ASSESSMENT OF EXCEPTIONAL CHILDREN

(3-0) 3 hours credit. Prerequisite: EDP 3603 or consent of instructor.

An introduction to both formal and informal assessment procedures. Students are trained to administer and evaluate the results of informal assessment devices in the areas of life skills, motor development, perception, language and academic subject areas.

3633 BEHAVIOR MANAGEMENT OF EXCEPTIONAL CHILDREN
(3-0) 3 hours credit. Prerequisite: EDP 3603.

A study of behavior management strategies and techniques to alter, improve, and maintain children's academic and social behaviors. Application of learning theory principles, measurement

procedures, knowledge of divergent and convergent theories and practices regarding behavior change strategies, as well as current and significant research are emphasized.

3643 LANGUAGE AND COGNITIVE DEVELOPMENT AND DYSFUNCTION

(3-0) 3 hours credit. Prerequisite: EDP 3603 or concurrent enrollment.

Current theories in the areas of language development and cognition are studied in terms of their contribution to the development of a methodology for the education of the exceptional child. Educational programs in the areas of language and cognition are evaluated in terms of their theoretical basis and educational utility.

3653 PRACTICUM IN SPECIAL EDUCATION (INTRODUCTORY)
3 hours credit. Prerequisite: Concurrent enrollment in EDP 3603 and 3643.

Observation and evaluation of educational procedures and services for exceptional children; observation and recording of the performance of children as learners.

3663 PRACTICUM IN SPECIAL EDUCATION (INTERMEDIATE)
3 hours credit. Prerequisite: Concurrent enrollment in EDP 3623 and 3633.

Working with teachers of exceptional children in developing, administering and evaluation assessment tools; planning language and learning sequences for children.

4013 GROWTH, DEVELOPMENT AND LEARNING THEORIES II
(3-0) 3 hours credit. Prerequisite: EDP 3013.

An introduction to the area of study which includes analysis and theoretical basis of learning, the assessment of learner and learner needs, and the measurement of achievement.

4603 PARENTS, COMMUNITY RESOURCES AND CONTINUING EDUCATION FOR EXCEPTIONAL CHILDREN

(3-0) 3 hours credit.

A study of methods and techniques for working with parents of exceptional children and for effecting cooperative home, school, and community relations for the improvement of the child's life and environment.

4653 PRACTICUM IN SPECIAL EDUCATION (ADVANCED)
3 hours credit. Prerequisite: Enrollment in EDP 4603 and 4613.

Field work with teachers in planning and implementing educational sequences for exceptional children.

4953 SPECIAL STUDIES IN EDUCATIONAL PSYCHOLOGY

(3-0) 3 hours credit. Prerequisite: Consent of instructor.

An organized course offering specialized study not normally or not often available as part of the regular course offerings. Special Studies courses may be repeated for credit when the topics vary, but not more than 6 hours within any one discipline will apply to a bachelor's degree.

COURSE DESCRIPTIONS
HEALTH AND PHYSICAL EDUCATION
(HPE)

- 1001 INDIVIDUAL AND DUAL PHYSICAL ACTIVITY SPORTS**
(0-1.5) 1 hour credit.
Practice in the techniques of individual and dual sports, such as tennis, golf, handball, boxing, swimming, archery, badminton, wrestling, etc. Individual sections focus on particular sports as indicated in the schedule of courses. May be repeated for credit, but not more than 6 hours of HPE 1001 alone or in combination with HPE 1101 will apply to any UT San Antonio degree.
- 1101 TEAM SPORTS**
(0-1.5) 1 hour credit.
Practice in the techniques of team sports, such as basketball, volleyball, soccer, etc. This course will focus on the actual practice and the development of team skills. Individual sections focus on particular sports as indicated in the schedule of courses. May be repeated for credit, but not more than 6 hours of HPE 1101 alone or in combination with HPE 1001 will apply to any UT San Antonio degree.
- 3403 THE FOUNDATIONS OF PHYSICAL EDUCATION**
(3-0) 3 hours credit.
A study of the history, principles, objectives, and current concepts of physical education and recreation.
- 3413 THE ELEMENTARY SCHOOL PHYSICAL EDUCATION PROGRAM**
(3-0) 3 hours credit.
Physical education activities in elementary schools.
- 3423 THE SECONDARY SCHOOL PHYSICAL EDUCATION PROGRAM**
(3-0) 3 hours credit.
Physical education activities in secondary schools.
- 3433 INDIVIDUAL AND DUAL LIFETIME SPORTS**
(3-0) 3 hours credit.
Instruction in the development of skills in physical education activities with emphasis on individual and dual type sports.
- 3443 PRINCIPLES OF EXERCISE AND PHYSICAL FITNESS**
(3-0) 3 hours credit.
An analysis of the nature of physical fitness, basic principles of exercise and physical fitness, analysis of methods of developing and evaluating physical fitness, motor development and movement perception.
- 3503 THE FOUNDATIONS OF HEALTH EDUCATION**
(3-0) 3 hours credit.
A study of the history, principles, objectives, and current concepts of health education.

- 3513 **THE ELEMENTARY SCHOOL HEALTH PROGRAM**
 (3-0) 3 hours credit.
 A study of the health problems of elementary school students as a basis for health instruction, utilizing the Texas Education Agency guidelines as a basis for planning.
- 3523 **THE SECONDARY SCHOOL HEALTH PROGRAM**
 (3-0) 3 hours credit.
 A study of the health problems of secondary school students as a basis for health instruction, utilizing the Texas Education Agency guidelines as a basis for planning.
- 3533 **DRUG EDUCATION**
 (3-0) 3 hours credit.
 The use and abuse of tobacco, alcohol, and other drugs, other mood and behavior modifiers, and their effects on one's behavior. An evaluation of why people take chances when their health is involved, and strategies for teaching drug education.
- 3543 **PHYSICAL GROWTH AND DEVELOPMENT**
 (3-0) 3 hours credit.
 A review of physical growth and development as dynamic life-time processes. The course emphasizes changes in early adolescence and implications for teachers.
- 4403 **THE TEACHING OF MOTOR LEARNING AND SKILL PERFORMANCE**
 (3-0) 3 hours credit.
 Motor learning theories, physiological bases of skill behavior, motor and skill learning and application of instructional techniques for developing motor learning and skill performance.
- 4413 **COACHING AND OFFICIATING**
 (2-1) 3 hours credit.
 A study of the content and teaching techniques involved in coaching and of the standards and techniques in game officiating.
- 4423 **REMEDIAL PHYSICAL EDUCATION**
 (3-0) 3 hours credit.
 Theories and techniques of muscle re-education and their application to exercise. A study of programs for students for whom physicians have prescribed remedial physical exercise; how these programs are taught and administered.
- 4433 **GYMNASTICS**
 (3-0) 3 hours credit.
 A study of methods for organizing a school or class for a balanced program of gymnastic activities. Evaluation methods are presented to determine a person's present level and rate of progression.
- 4503 **PERSONAL AND FAMILY HEALTH**
 (3-0) 3 hours credit.
 An overview of medical and scientific facts and principles applied to healthful living and prevention and control of diseases.

4513 CONSUMER HEALTH

(3-0) 3 hours credit.

A study of the consumer's selection of health products and services, and the acquisition of basic knowledge regarding consumer health with a view towards providing students with information that will help them make wise decisions when selecting professional health care, services, and products.

4523 TEACHING SEX EDUCATION

(3-0) 3 hours credit.

A study of the teaching of human sexuality from conception to death. The course emphasizes ways of understanding sexual drives which can help students deal more effectively with pressures and conflicts and ways of teaching sex education.

4533 NUTRITION EDUCATION

(3-0) 3 hours credit.

A study of content, attitudes and practices regarding nutrition and its effects on health behavior. Methods of teaching nutrition to young people are assessed.

4911-3 INDEPENDENT STUDY

1-3 hours credit. Prerequisites: Permission in writing (form available) of the instructor, the student's Advisor, and the Division Director and Dean of the College in which the course is offered. Independent reading, research, discussion, and/or writing under the direction of a faculty member. May be repeated for credit, but not more than 6 hours of independent study, regardless of discipline, will apply to a bachelor's degree.

4953 SPECIAL STUDIES IN HEALTH AND PHYSICAL EDUCATION

(3-0) 3 hours credit. Prerequisite: Consent of instructor.

An organized course offering specialized study not normally or not often available as part of the regular course offerings. Special Studies courses may be repeated for credit when the topics vary, but not more than 6 hours within any one discipline will apply to a bachelor's degree.

DIVISION OF ENVIRONMENTAL STUDIES

The Division of Environmental Studies does not offer an undergraduate degree. In order to prepare students in different fields for future graduate work in Environmental Management and to serve as support function for existing UT San Antonio degree programs, undergraduate courses in the Division of Environmental Studies are offered as electives.

COURSE DESCRIPTIONS ENVIRONMENTAL MANAGEMENT (ENV)

2013 INTRODUCTION TO ENVIRONMENTAL SYSTEMS

(3-0) 3 hours credit.

Empirical and analytical studies of spatial dimensions of regional development with emphasis on social, political, economic, demographical and environmental problems at regional levels.

3013 ENVIRONMENT AND HUMAN RESOURCES MANAGEMENT

(3-0) 3 hour credit.

Human resources as related to the total environment are studied. Special emphasis is given to the areas of manpower planning and programming as related to the technological changes and the wise use of time in the community.

3023 MAN AND HIS NATURAL RESOURCES

(3-0) 3 hours credit.

A critical evaluation of man's dependency upon the major natural resources of the world such as water, air, soils, forests, grasslands, wildlife and minerals. Programs are discussed to facilitate the utilization of natural resources for optimum benefit.

3033 ELEMENTS OF URBAN SYSTEMS MANAGEMENT

(3-0) 3 hours credit.

A focus on the role of man as a modifier of the environment. The impact of urban, rural and industrial developments is specifically considered. The basic principles governing urban planning, urban development, urban systems analysis and the rural-urban transition process are covered.

- 3523 **THE CONTEMPORARY CITY**
 (3-0) 3 hours credit. Prerequisite: Consent of instructor.
 An introduction to the city as an extension of man with a review of the urban revolution and its impact on the contemporary United States. General trends in contemporary thought as they apply to the problems and future of American urban development.
- 4023 **ENVIRONMENT, ENERGY AND SOCIETY**
 (3-0) 3 hours credit. Prerequisite: ENV 3023 or consent of instructor.
 Study of energy requirements for various components of society and the wastage associated with modern living. Characteristics of various energy sources and conversion processes. Energy resources management considerations related to environmental quality and societal needs.
- 4103 **THE GOVERNMENT AND ENVIRONMENTAL PROTECTION**
 (3-0) 3 hours credit. Prerequisite: ENV 3023 or consent of instructor.
 A survey of current federal action directed at improving environmental quality. Evolution and effectiveness of the National Environmental Policy Act and its implications for the future of our society and various industries.
- 4203 **ENVIRONMENTAL IMPACT ANALYSIS**
 (3-0) 3 hours credit.
 A course designed to familiarize students with the content of the National Environmental Policy Act and the procedures for doing environmental impact statements. Guidelines for specific projects are considered. Students collect data for and write an environmental impact statement. Environmental impact statement review procedures are studied.
- 4503 **ALTERNATIVE URBAN FUTURES**
 (3-0) 3 hours credit. Prerequisite: Consent of instructor.
 An examination and exploration of alternatives for the future in the urban environment considering the relationships between social, economic and human dimensions.
- 4513 **PROBLEMS OF URBAN CHANGE**
 (3-0) 3 hours credit. Prerequisite: Consent of instructor.
 This course examines problems presented by growth and change in the urban environment. Students determine primary foci of interests and possibilities for field involvement.
- 4603 **ENVIRONMENTAL QUALITY ANALYSIS AND MONITORING**
 (3-0) 3 hours credit. Prerequisite: ENV 3023.
 The procedures and instrumentation for the analysis of air, water and soils. Environmental data acquisition and basic analysis for the interpretation and characterization of environmental quality.

4611 ENVIRONMENTAL QUALITY ANALYSIS AND MONITORING LABORATORY

(0-3) 1 hour credit.

This course must be taken concurrently with ENV 4603.

4663 THE LATIN AMERICAN CITY

(3-0) 3 hours credit. Prerequisite: Consent of instructor.

A study of the physical structure of the Latin American city and its cultural, social and economic bases; current urban issues and environmental relationships.

DIVISION OF SPECIAL PROGRAMS

The Division of Special Programs is responsible for preparing students majoring in the area of Criminal Justice, for administering The University's Army R.O.T.C. Program, and for administering the Library Instruction course, LIB 1001, which is part of the university-wide general education requirements.

Criminal Justice. This program is intended to increase individual knowledge and skills useful in the criminal justice area and to provide entrance into fields of specialization which can be of practical, functional value to a wide variety of law enforcement and related agencies.

Army R.O.T.C. A student enrolling at The University of Texas at San Antonio may pursue courses in Military Science designed to develop the knowledge and skills required for a commission as an officer in the U.S. Army. The Reserve Officer Training Corps (R.O.T.C.) is open to all qualified students (male and female) on a voluntary basis. The program is available under cooperative arrangements with St. Mary's University of San Antonio. All courses for those enrolled in the program are held on The University of Texas at San Antonio campus.

Library Instruction Course. The goals of the Library Instruction course are to help students become aware of the basic resources (both collection and services) available in the library, to ensure that students have a basic level of skill in library use, and to enable students to achieve a sense of confidence in using the library.

BACHELOR OF ARTS DEGREE IN CRIMINAL JUSTICE

The minimum number of semester hours required for this degree, including the 50 hours of General Education Requirements, is 124.

All candidates for the degree must complete:

A. 36 semester hours in the *major*, at least 24 of which must be at the upper-division level.

1. 12 semester hours of lower-division courses in the Law Enforcement core³⁹ are required from the following:⁴⁰

Introduction to Police Science (3 semester hours)
Police Role in Crime and Delinquency (3 semester hours)
Criminal Investigation (3 semester hours)
Legal Aspects of Law Enforcement (3 semester hours)
Police Organization and Administration (3 semester hours)

2. 24 semester hours of upper-division courses distributed as follows:

a. 12 semester hours of upper-division core:

CRJ 3013 Concepts and Issues in Criminal Justice
CRJ 3043 Criminal Justice: Ecology and Etiology
CRJ 3213 Criminal Justice: Administrative Organization
CRJ 3623 Substantive Criminal Law

³⁹These courses and two others, Criminal Procedure and Evidence (3 semester hours) and Police-Community Relations (3 semester hours), are designated as the lower-division Law Enforcement core by the Texas Commission on Law Enforcement, Officer Standards, and Education.

⁴⁰Students who enter the Criminal Justice Program at UT San Antonio without having completed these 12 hours must take them at a junior college or other approved lower-division program of their choice, as they are not offered at UT San Antonio. While completing these courses elsewhere, students may be enrolled concurrently at UT San Antonio.

Students from a junior college or other approved lower-division program may transfer all 21 hours in the Law Enforcement core.

b. 12 semester hours of upper-division courses from one of the following:

1) Law Enforcement Planning and Management

CRJ 3633 Evidentiary Issues in the Legal Process

CRJ 4413 Trends in Police Administration

CRJ 4513 Criminal Justice Planning

CRJ 4953 Special Studies in Criminal Justice

2) Corrections—Juvenile Justice

CRJ 3513 Corrections: Theory and Practice

CRJ 3533 Alternatives to Incarceration

CRJ 3543 The Juvenile Justice System

CRJ 4953 Special Studies in Criminal Justice

B. 15 semester hours of upper-division support work, to be selected upon consultation with the student's faculty advisor to include:

one undergraduate statistics course

SSC 3003 Social Science Research Methods

CRJ 4933, 4936, or 4939 Internship in Criminal Justice

C. 23 semester hours of *free electives*.

COURSE DESCRIPTIONS

CRIMINAL JUSTICE

(CRJ)

2023 POLICE-COMMUNITY RELATIONS

(3-0) 3 hours credit.

The role of the individual officer in achieving and maintaining positive public response; inter-group relations and public information.

2033 CRIMINAL PROCEDURE AND EVIDENCE

(3-0) 3 hours credit.

Introduction to the rules governing the admissibility of evidence and types of evidences; criminal procedure in various courts, review of the Texas Code of Criminal Procedure, including laws of arrest, search and seizure, and leading case laws on each topic.

3013 CONCEPTS AND ISSUES IN CRIMINAL JUSTICE

(3-0) 3 hours credit.

Philosophy and history of criminal justice administration; examination of criminal justice agencies operating as an interacting system from law enforcement agencies through the courts and into correctional components.

- 3043 CRIMINAL JUSTICE; ECOLOGY AND ETIOLOGY**
 (3-0) 3 hours credit.
 Examination of social, political, economic, religious, and emotional characteristics of criminal justice problems; historical as well as systems perspective with a multidisciplinary approach.
- 3133 BASIC CRIMINALISTICS**
 (2-1) 3 hours credit.
 The application of the knowledge of the physical and natural sciences to the administration of criminal justice. Includes probability; value and limitation of various types of physical evidence; basic processing techniques.
- 3163 INTRODUCTION TO SECURITY ADMINISTRATION**
 (3-0) 3 hours credit.
 Survey of the scope of the security administration field in business, industry, and government; consideration of the problems and issues affecting the relationship between publicly funded law enforcement and the private sector.
- 3213 CRIMINAL JUSTICE: ADMINISTRATIVE ORGANIZATION**
 (3-0) 3 hours credit.
 Functional and structural approaches to the study of Criminal Justice administration. Examination of traditional and innovative approaches in Criminal Justice organization with emphasis on the systems approach.
- 3513 CORRECTIONS: THEORY AND PRACTICE**
 (3-0) 3 hours credit.
 Examination of the historical development of corrections; its philosophical orientation; theories and practices, including the traditional and contemporary; institutional and non-institutional aspects.
- 3533 ALTERNATIVES TO INCARCERATION**
 (3-0) 3 hours credit.
 Problems in probation, pardons and parole are examined as to policies, procedures, and feasibility. Relationships to community service organizations are examined.
- 3543 THE JUVENILE JUSTICE SYSTEM**
 (3-0) 3 hours credit.
 History and development of traditional and current methods for responding to the needs of the juvenile offender. Process oriented approach to the roles of involved agencies with emphasis upon formal and informal treatment methods.
- 3623 SUBSTANTIVE CRIMINAL LAW**
 (3-0) 3 hours credit.
 Jurisprudential philosophy and case study of common law and statutory crimes; includes functions and development of substantive criminal law, elements of specific offenses; defenses.
- 3633 EVIDENTIARY ISSUES IN THE LEGAL PROCESS**
 (3-0) 3 hours credit.

- Issues and problems of proof in civil and criminal trials, admissibility, examining witnesses, constitutional considerations, exclusionary rules.
- 4123 **CONCEPTS OF INVESTIGATION**
 (3-0) 3 hours credit. Prerequisite: CRJ 3133.
 Examination of theories and practices of the investigative process in the criminal justice system; specific operational techniques; application of innovative techniques.
- 4133 **COMMUNITY CRIME PREVENTION PROGRAMS**
 (3-0) 3 hours credit. Prerequisite: lower-division core or consent of instructor.
 An analysis of the typologies, philosophies, and operations of existing and projected community-based crime prevention programs. Emphasis on a variety of governmental and non-governmental community support and action programs.
- 4413 **TRENDS IN POLICE ADMINISTRATION**
 (3-0) 3 hours credit. Prerequisite: CRJ 3212 or consent of instructor.
 Examination of the management of law enforcement organization in terms of administrative structure and process. Analysis of issues in program development and implementation in the provision of police service.
- 4513 **CRIMINAL JUSTICE PLANNING**
 (3-0) 3 hours credit. Prerequisite: senior standing.
 Develops knowledge and skills pertinent to the understanding and implementation of planning in the criminal justice system; examination of techniques of data and analysis; use of PERT/CPM and VIA methods in criminal justice.
- 4543 **JUVENILE JUSTICE LAW**
 (3-0) 3 hours credit. Prerequisite: CRJ 3543 or consent of instructor.
 Historical and case oriented approach to the legal basis of individualized justice for children including early common law approaches, the child saving movement, the juvenile court era, and the modern challenge to the court by the constitutionalists.
- 4911-3 **INDEPENDENT STUDY**
 1-3 hours credit. Prerequisites: Permission in writing (form available) of the instructor, the student's Advisor, and the Division Director and Dean of the College in which the course is offered. Independent reading, research, discussion, and/or writing under the direction of a faculty member. May be repeated for credit, but not more than 6 hours of independent study, regardless of discipline, will apply to a bachelor's degree.
- 4933 **INTERNSHIP IN CRIMINAL JUSTICE**
 4936 3, 6, or 9 hours credit. Prerequisites: CRJ 3013, 3043, and 3623.
 4939 Supervised experience in an administrative setting which provides the opportunity to integrate theory and practice in criminal justice agencies.

4953 SPECIAL STUDIES IN CRIMINAL JUSTICE

(3-0) 3 hours credit. Prerequisite: Consent of instructor.

An organized course offering specialized study not normally or not often available as part of the regular course offerings. Special Studies courses may be repeated for credit when the topics vary, but not more than 6 hours within any one discipline will apply to a bachelor's degree.

ARMY RESERVE OFFICER TRAINING CORPS PROGRAM

To obtain a commission⁴¹ as an officer in The U.S. Army, a baccalaureate degree in one of the disciplines offered by The University of Texas at San Antonio and 18 semester hours of military science courses are required. Credit for military science courses may be applied toward a baccalaureate degree *only as free electives*. With respect to the free electives specified in the degree requirements for each major, there is a maximum number of hours of military science that may be applied to the free electives allowed.

The maximum number of semester hours of military science which may be counted as free elective credit for the various degrees available at The University of Texas at San Antonio are set forth below. Credit for military science courses, when awarded by another accredited college or university, are accepted by The University of Texas at San Antonio as free elective credit within the same limitations as military science credit earned at The University.

Degree Program	Maximum Hours Applicable as Free Electives ⁴²
Accounting	9
Anthropology	9
Applied Science	9
Art and Design	0
Biology	9
Chemistry	8
Criminal Justice	9
Early Childhood and Elementary Education	0
Economics (BA)	9
Economics (BBA)	9

⁴¹Some of the 18 hours of military science required for the commission may be waived (without credit) for prior military service and/or junior ROTC.

⁴²When fewer than 9 hours are allowed, the limitation results from the number of free elective hours available in the given degree program. Nevertheless, students in these degree programs may still enroll in the ROTC program.

English	9
Finance	9
French	9
Geography	9
German	9
Health and Physical Education	0
History	9
Humanities	9
Management	9
Mathematics, Computer Science and Systems Design	9
Medical Technology	0
Music	0
Occupational Therapy	0
Physical Therapy	0
Political Science	9
Psychology	9
Sociology	9
Spanish	9

The 18 semester hours of military science courses which constitute the Army ROTC program at The University of Texas at San Antonio are offered in two parts: a Basic Course, consisting of 6 semester hours of course work, taken in the first two years at The University and an Advanced Course, consisting of 12 semester hours of course work taken in the last two years at The University.

The program requirements for the Basic Course are as follows:

First Year

Fall Semester

MSC 1011

Spring Semester

MSC 1021

Second Year

Fall Semester

MSC 2012

Spring Semester

MSC 2022

Students may enroll in the Basic Course without obligation to take additional ROTC training. Students enrolled in the Basic Course are furnished, free of charge, complete uniforms, texts, and necessary equipment.

The program requirements for the Advanced Course are as follows:

First Year

Fall Semester

MSC 3013

Spring Semester

MSC 3023

Second Year

Fall Semester

MSC 4013

Spring Semester

MSC 4023

Students enrolled in the Advanced Course receive \$100 per month, and texts, uniforms, and equipment are provided. Upon entering the Advanced Course, a student is required to sign a contract which obligates him or her to complete the ROTC program and serve a tour of active duty as a commissioned officer in The United States Army.

Participation in a leadership laboratory is required in connection with all courses, except MSC 4042: ROTC Flight Training. The leadership laboratory consists of a varied program of enrichment and development for future army officers consisting of an active guest speaker program, participation in civic action projects, tours of military and related installations, field training exercises, and a limited amount of drill and physical conditioning.

Between their junior and senior years, students are required to attend a six-week summer camp.

Students in their second year of the Advanced Course are eligible to participate in the Army ROTC Flight Training Program on a voluntary and selective basis. This training consists of ground school, as well as dual and solo flight instruction. Upon successful completion of this training, a student may qualify for a Federal Aviation Administration Private Pilot's Certificate. Students enrolling in ROTC flight training

must agree to serve at least three years on active duty with the Army following graduation from Army Flight School.

The ROTC program offers scholarships for up to three years to selected students. These scholarships provide for tuition, fees, and subsistence of \$100 per month.

COURSE DESCRIPTIONS

MILITARY SCIENCE

(MSC)

- 1011 FUNDAMENTALS OF LEADERSHIP AND MANAGEMENT I
(1-2) 1 hour credit.
Organization of the Army and ROTC. Career opportunities for ROTC graduates and the military as a profession. Customs and traditions of the service. Development of leadership potential.
- 1021 FUNDAMENTALS OF LEADERSHIP AND MANAGEMENT II
(1-2) 1 hour credit.
Leadership case studies of problems facing junior leaders in today's Army in non-combat situations. Evaluation of weapons and warfare using the principles of warfare as a catalyst. Effects of technological and sociological change on the military. Continuation of customs and traditions of the service. Development of leadership potential.
- 2012 APPLIED LEADERSHIP AND MANAGEMENT I
(2-2) 2 hours credit.
Operation of basic military team with emphasis on organization and equipment. Military geography and use of maps and aerial photography with introduction to orienteering. Functions and responsibilities of the junior leader.
- 2022 APPLIED LEADERSHIP AND MANAGEMENT II
(2-2) 2 hours credit.
American military history to include the development of American military institutions, policies, experiences, and traditions in peace and war from colonial times to the present. Emphasis will be on the relationship between the military and other facets of American society and the role of the military in the establishment, expansion, preservation and development of the nation. Functions and responsibilities of the junior leader.
- 3013 ADVANCED LEADERSHIP AND MANAGEMENT I
(3-2) 3 hours credit. Prerequisites: MSC 1011, 1021, 2012 and 2022, or by consent of instructor.
Case studies in leadership and management. Development of the student's ability to express himself clearly and accurately with emphasis on the analysis of military problems, and preparation and delivery of logical solutions.
- 3023 ADVANCED LEADERSHIP AND MANAGEMENT II
(3-2) 3 hours credit. Prerequisite: MSC 3013.

Analysis of the leader's role in directing and coordinating efforts of individuals and small units in the execution of offensive and defensive tactical missions. Case studies of leadership and management.

4013 SEMINAR IN LEADERSHIP AND MANAGEMENT OF THE MILITARY TEAM

(3-2) 3 hours credit. Prerequisite: MSC 3023 or consent of instructor.

Analysis of selected leadership and management problems. Responsibilities of the Commander and staff in areas of personnel, intelligence, operations, and logistics. Administration of military law. The interrelationships of the military team.

4023 SEMINAR IN LEADERSHIP AND MANAGEMENT

(3-2) 3 hours credit. Prerequisite: MSC 4013 or consent of instructor.

Analysis of selected leadership and management problems. Responsibilities of the Commander in the management of personnel, account, logistics, operations, maintenance and unit readiness. Seminars in the role of the officer in the conduct of personal affairs.

4042 ROTC FLIGHT TRAINING

(3-3) 2 hours credit. Prerequisite: Senior standing, enrollment in MSC 4013 and physical qualification. (36½ hours of flight training; 35 hours of ground school.)

Pre-solo, solo and cross-country flight instruction plus ground instruction in theory of flight, Federal Air Regulations, meteorology, navigation, and radio procedure. Student eligible for private pilot's license at completion of training.

COURSE DESCRIPTION

LIBRARY INSTRUCTION

(LIB)

1001 LIBRARY INSTRUCTION

1 hour credit.

A self-paced orientation to the nature and location of library materials and services at The University of Texas at San Antonio. Instruction and experience in using The University card catalogs, microform and other audio-visual equipment and indexes. Instruction and practice in library search strategy and compilation of a bibliography.

