



COURSE DESCRIPTIONS

COURSE DESCRIPTION GUIDE

<u>Prefix</u>	<u>Course</u>	<u>College</u>	<u>Page</u>
ACCT	Accounting	Business Administration	137
BCIS	Business Computer Information Systems	Business Administration	137
BIOL	Biology	Science & Mathematics	138
BUAD	Business Administration	Business Administration	140
CMPS	Computer Science	Science & Mathematics	141
COUN	Counseling	Education	143
ECED	Early Childhood Education	Education	145
ECON	Economics	Business Administration	146
EDLE	Educational Leadership	Education	146
EDUC	Education	Education	147
ENGL	English	Liberal Arts	151
FINC	Finance	Business Administration	153
HIST	History	Liberal Arts	153
HSAD	Health Services Administration	Health Sciences & Human Services	157
KNES	Kinesiology	Health Sciences & Human Services	159
MATH	Mathematics	Science & Mathematics	161
MGMT	Management	Business Administration	163
MKTG	Marketing	Business Administration	163
NURS	Nursing	Health Sciences & Human Services	164
POLS	Political Science	Liberal Arts	166
PSYC	Psychology	Liberal Arts	169
PUAD	Public Administration	Health Sciences & Human Services	172
RADS	Radiologic Sciences	Health Sciences & Human Services	174
READ	Reading Education	Education	176
SPED	Special Education	Education	177

(ACCT) ACCOUNTING

5043. **External Auditing** 3(3-0)

Prerequisites: Junior standing or above or consent of the Chair and ACCT 3043 or concurrent enrollment.

Theory, practice, and procedure of auditing, internal accounting control, auditing standards and principles, and working papers and reports. (May not be taken by students with credit for ACCT 4043.)

5053. **Internal Auditing** 3(3-0)

Prerequisites: ACCT 2243 and consent of the MBA Coordinator.

Management control systems, profit performance, standard and direct costing, investment control, and long-range planning. (May not be taken by students with credit for ACCT 4053.)

5083. **Federal Income Tax II** 3(3-0)

Prerequisites: ACCT 3073 and consent of the MBA Coordinator.

Survey of federal income tax laws, applicable to corporations, partnerships, and S-corporations, and fiduciary relationships. (May not be taken by students with credit for ACCT 4083.)

5093. **Federal Income Tax III** 3(3-0)

Prerequisites: ACCT 3073 and consent of the MBA Coordinator.

Additional topics in federal income tax laws, applicable to corporations, partnerships, and S-corporations, and fiduciary relationships. (May not be taken by students with credit for ACCT 4093.)

5213. **Cost Analysis and Control** 3(3-0)

Prerequisites: ACCT 2143 and 2243 or equivalent and consent of the MBA Coordinator.

Management control systems, profit performance, standard and direct costing, investment control, and long-range planning.

5883. **Graduate Problems in Accounting** 3(3-0)

Prerequisites: Consent of the instructor and the MBA Coordinator.

Graduate research in a specific area selected by the student in conjunction with a graduate member of the graduate accounting faculty. This course is open only to students of high scholastic standing.

5893. **Graduate Internship in Accounting** 3(3-0)

Prerequisites: Consent of the instructor and the MBA Coordinator.

Field experience in accounting with local or regional firms. Provides significant accounting work experience involving training and supervision by an employer. A written report and employer evaluation are required. May be repeated for up to six hours of credit. Total hours granted for ACCT 4893, MGMT 4893, and ACCT 5893 may not exceed six hours of credit.

(BCIS) BUSINESS COMPUTER INFORMATION SYSTEMS

5113. **Information Technology Management** 3(3-0)

Prerequisite: Consent of the MBA Coordinator.

Overview of information technology and how it might be used to provide a strategic advantage for management. All facets of information technology will be examined so that their impact may be studied from the viewpoint of competitive, cultural, global and political impact.

5123. Database Applications in Business 3(3-0)

Prerequisite: Consent of the MBA Coordinator.

An examination of database management systems and their applications in business. Emphasis is placed on design, consideration of the end-user and management of databases. There will be extensive hands-on use of a microcomputer-based database package.

5153. Advanced Topics in Information Systems 3(3-0)

Prerequisites: Consent of the Instructor and the MBA Coordinator.

A study of a topic of current interest in Information Systems. Course may be repeated once when topic is different. Methodology will include textbook concepts, traditional classroom lectures, study of current literature, case presentations and/or software implementations.

5203. Electronic Commerce 3(3-0)

Prerequisite: Consent of the MBA Coordinator.

Survey of current business practices and projected development in electronic commerce from the perspective of information technology. Topics include business concepts, opportunities, challenges, strategies, and various enabling technologies that are associated with electronic commerce. Problems related to the impact of electronic commerce such as international, legal, ethical, and security issues will also be discussed.

5303. Business Telecommunications Systems 3(3-0)

Prerequisite: Consent of the MBA Coordinator.

Provides overview of telecommunications industry, technology, environment, and current topics in telephone services (wireless and wire line), business data services, CATV, and Internet services and providers. Covers managerial and strategic aspects of telecommunications technologies.

(BIOL) BIOLOGY

BIOL 3113, 4021, 4023, 4043, 4443, 4463, 4523, 4684, and 4714 are the 3000 - 4000 level courses that can be taken for graduate credit. A maximum of six hours of these courses can be taken. Students must fill out the form "Petition for Graduate Credit for 3000-4000 Level Courses" at the time of registration. The total number of semester credit hours of undergraduate courses taken for graduate credit plus dual-listed courses cannot exceed 12.

The graduate student requirements are available from the graduate coordinator and are listed on the graduate course syllabi.

Prerequisites for all graduate courses in biology are graduate standing or consent of the instructor.

5001. Discussions in Biology 1(1-0)

Review and discussion of current scientific literature and research in the biological sciences. Student will describe and critique at least one original research publication during the course. Discussions will focus on the analysis of raw data, methodology, appropriateness of experimental approaches, and hypotheses being tested. May be repeated for credit.

5003. Current Topics in Biology 3(3-0)

This course is designed for public school teachers of biology who are seeking to stay abreast of new developments in biology. Topics will include zoology, botany, genetics, physiology, and microbiology. May be repeated once with consent of the graduate coordinator.

5013. Literature and History of the Biological Sciences 3(3-0)

Professional development of the scientist focusing on scientific writing and publication, graphs and tables, presentation of results, editorial practices of biological journals, and history of the discipline of biology.

5143. Evolution and Systematics 3(3-0)

Study of organic evolutionary processes, including mutations, genetic drift, patterns and rates of change, and how this knowledge is used to determine systematic relationships of taxa.

5233. Mammalogy 3(2-3)

Structure, history, distribution, and natural history of mammals, with special emphasis on those forms found in Texas.

5242. Biochemistry Laboratory (same as Chemistry 4242) 2(0-4)

Experimental methods in biochemistry, including quantitative and qualitative techniques, enzyme kinetics, and separation methods for biomolecules.

5243. Biochemistry (same as Chemistry 4243) 3(3-0)

The structures and properties of biomolecules, enzyme kinetics and mechanism of action, and metabolic energy-yielding pathways.

5253. Biochemistry (same as Chemistry 4253) 3(3-0)

Prerequisite: BIOL 5243.

Oxidative phosphorylation, intermediary metabolism, membrane transport, hormone action, replication, transcription, and translation of genetic information.

5331. Molecular Biology Laboratory 1(0-3)

Prerequisite: Concurrent enrollment in BIOL 5333.

Laboratory experiences in the practices of genetic engineering.

5333. Molecular Biology 3(3-0)

Prerequisite: Consent of the instructor; BIOL 5243 recommended.

Structure and function of nucleic acids in the storage, transmission, and expression of genetic information. Proteins as the primary structural and catalytic agents of cellular and organismal biology. Prokaryotic, eukaryotic, and viral model systems. Principles of genetic engineering.

5553. Biological Electron Microscopy 3(1-4)

Theory and application of procedures for transmission and scanning electron microscopy of biological material, including ultra-thin sectioning, coating and micrography.

5564. Plant Physiology 4(3-3)

Study of physiological processes in higher plants. Dormancy, germination; mechanisms of transport in the phloem and xylem; mineral nutrition; hormones; role of light on growth and development: phytochrome and cryptochrome, tropic responses; photosynthesis: C3, C4, CAM and photorespiration; nitrogen fixation; flowering: photoperiodism and vernalization; senescence and abscission.

5633. Advanced Topics in Molecular Biology 3(3-0)

Discussions of current topics of interest in cellular biology. May be repeated once with consent of the graduate coordinator.

5693. Tropical Rainforest Ecology 3 semester hours

An introduction to the neotropical rainforest which includes topics on biodiversity of plants and animals, climate, deforestation and conservation, ecotourism, and other pertinent topics. An organized 10-14 day field trip to a neotropical rainforest is required.

5743. Araneology 3(1-4)

Classification, physiology, ecology, food habits, and distribution of spiders and related forms. Emphasis on local fauna. Field trips required.

5911, 5912, 5913. Special Problems 1-3 semester hours

Directed research in specialized areas of biology. A minimum of 45 laboratory hours per semester hour credit.

6003. Seminar 3 semester hours

May be repeated for credit.

6983, 6993. Thesis 6 semester hours**(BUAD) BUSINESS ADMINISTRATION****5313. Legal Environment of Business** 3(3-0)

Prerequisites: BUAD 3233 or equivalent and consent of the MBA Coordinator.

Court systems, jurisdiction, business dispute resolution, negotiation, business ethics, and selected contemporary legal problems.

5603. Advanced Applied Business Statistics 3(3-0)

Prerequisites: BUAD 3213 or equivalent and consent of the MBA Coordinator

Computerized statistical analysis. Inferential statistics, estimation, and testing hypotheses with emphasis on ANOVA, multiple regression, and nonparametric statistics.

5613. Research Methods 3(3-0)

Prerequisite: Consent of the MBA Coordinator.

Sources of secondary data, review professional journal articles, construction and implementation of questionnaires, sampling, and techniques of writing of professional papers.

5833. Business Ethics and Social Responsibility 3(3-0)

Prerequisite: Consent of the MBA Coordinator.

An evaluation of the interdependence of business, government, and society, with emphasis upon the importance of ethical behavior by business leaders facing the realities of the changing social contract. Areas of strategic analysis include how and why corporate leaders and government officials must change policies and actions to regain public trust and move toward economic and social sustainability.

5873. Seminar in Business 3(3-0)

Prerequisite: Consent of the MBA Coordinator.

Seminar discussions and projects dealing with topics in business administration. May be repeated for credit when topics vary.

5993. International Issues in Business 3(3-0)

Prerequisite: Consent of the instructor.

Examination of government regulation and culture in the European Union as it affects the different disciplines of business.

6891. Research in Business Topics 1 semester hour

Prerequisite: Consent of the MBA Coordinator.

6893. Research in Business Topics 3 semester hours

Prerequisite: Consent of the MBA Coordinator.

May be repeated for credit when topics vary.

6971. Graduate Research Paper 1 semester hour

Prerequisite: Consent of the MBA Coordinator.

This course results in the development of the student's required file paper. Includes writing and defending the research proposal and completing the paper.

6983, 6993. Thesis 6 semester hours

Prerequisite: Consent of the MBA Coordinator.

(CMPS) COMPUTER SCIENCE

5113. Advanced Programming Language Concepts 3(3-0)

Prerequisites: CMPS 2084 and concurrent enrollment in CMPS 2133.

Techniques for specifying the syntax and semantics of programming languages. Language concepts such as data structuring, information binding, control structures, execution environments and extensibility are examined by studying scientific, data processing, list processing, and multi-purpose languages. Programming assignments in the various languages.

5133. Advanced Computer Architecture 3(3-0)

Prerequisite: CMPS 2084.

A comprehensive study of scalable and parallel architectures. Topics include principles of parallel processing, advanced processors, cache and memory technology, and pipelining techniques. Shared memory, vectors, and SIMD supercomputers are examined.

5143. Advanced Operating Systems. 3(3-0)

Prerequisite: CMPS 4103 or consent of instructor.

Application of software techniques used in constructing operating systems for large, multiprogram batch and timesharing computer systems. Includes memory management, processor scheduling, concurrent processes, job scheduling, I/O device management, and information management.

5153. Advanced Software Engineering 3(3-0)

Prerequisites: Twelve hours of graduate computer science.

An advanced study of the process of creating large software systems with consideration on techniques of project planning and tracking, requirements specification, software documents, object-oriented techniques, and testing. Emphasis will be placed on software engineering project management (or process control) and practices that reduce software cost and increase reliability and modifiability.

5203. Embedded Systems 3(3-0)

Prerequisite: CMPS 2084.

A study of integrated hardware and software solutions in computational systems with limited resources. Includes the design and implementation of basic intermodule functions such as device drivers, interrupt handlers, and real-time operating system basic routines.

5213. Wireless Computer Communications and Networks 3(3-0)

Prerequisites: Concurrent enrollment in CMPS 2133 and consent of instructor.

An introduction to hardware and software used in wireless data communication systems. Includes transmission fundamentals, protocols, communication technology, error control, and local area networks.

5223. Language Translators and Interpreters 3(3-0)

Prerequisite: CMPS 5113.

A study of context-free and LR(k) grammars, parsing, lexical analysis, syntax and semantics, code generation, optimization, and error diagnosis.

5243. Algorithm Analysis 3(3-0)

Prerequisites: CMPS 2133, MATH 1634, 2333.

A study of the design and analysis of algorithms for the processing of numeric and non-numeric data. Searching and sorting algorithms; graph processing algorithms; finite Fourier transform applications to integer and polynomial arithmetic; pattern matching and fast matrix multiplication; NP completeness. Introduction to current literature on algorithm analysis

5253. Expert Systems 3(3-0)

Prerequisites: CMPS 1053, MATH 2333.

A study of the formulation, design, implementation, and application of rule based systems. Areas of study include knowledge representation, inference mechanisms, knowledge acquisition, user interfaces, and implementation environments (shells, languages, etc.).

5303. Advanced Database Management Systems 3(3-0)

Prerequisite: CMPS 2133.

The theory of database design including hierarchical, network, and relational data models; functional dependencies; normal forms, query optimization and file structures.

5313. Automata Theory 3(3-0)

Prerequisites: MATH 2333, CMPS 2133.

The study of deterministic and non-deterministic finite automata. Formal languages and grammars including Chomsky's Hierarchy, regular and context free grammars, pushdown automata, Turing machines, and computability.

5323. Computer Methods in Applied Science 3(3-0)

Prerequisites: Math 1634 and consent of the instructor.

Selected topics from the theory and practice of using digital computers for approximating functions, solving systems of linear and nonlinear equations, and solving ordinary and partial differential equations. Error analysis and implementation are studied. May be repeated with consent of graduate coordinator.

5333. Discrete System Simulation 3(3-0)

Prerequisites: CMPS 2133 and STAT 3573 or equivalent.

A study of the design and implementation of computer-based simulations of discrete systems, and special purpose simulation languages. Simulation methodology, validation and verification of simulation models, and the analysis of simulation results are included.

5353. Topics in Computer Graphics 3(3-0)

Prerequisites: Math 2333 and 1 semester of calculus.

A study of the theoretical underpinnings of computer graphics and their application to two- and three-dimensional modeling and rendering. The required data structures and mathematics found in object representation and rendering, curve drawing, fractal theory, and realistic ray tracing will be used in the implementation of a variety of projects that exercise these concepts.

5433. Topics in Parallel and Distributed Systems 3(3-0)

Prerequisite: Consent of the instructor.

Selected topics from parallel and distributed programming techniques, and parallel and distributed computer systems. May be repeated with consent of graduate coordinator.

5443. Advanced Topics in Computer Science 3(3-0)

Prerequisite: Consent of the instructor.

Selected topics from advanced computer science. May be repeated with the consent of graduate coordinator.

5463. Applied Soft Computing 3(3-0)

Prerequisite: CMPS 2133.

Selected topics from fuzzy logic, neural computing, evolutionary computation, machine learning, probabilistic reasoning and other related areas. Techniques to exploit the methods' tolerance for imprecision, uncertainty, and approximation to achieve reasonable solutions to difficult and intractable problems. May be repeated with consent of the graduate coordinator.

5993. Problems 3 semester hours

6901. Seminar 1(1-0)

Reports and discussion of current and of selected topics of current interest in the discipline.

6903. Research Methods 3(3-0)

Prerequisites: 18 hours of graduate computer science.

Techniques for the design, development, and preparation of research papers.

(COUN) COUNSELING

5113. Mediation and Conflict Resolution 3(3-0)

Prerequisite: COUN 5203.

An introduction to alternate dispute resolution methods. Skill development in teaching conflict resolution and mediating disputes.

5203. Introduction to Counseling 3(3-0)

Prerequisite: Admission to the counseling program or permission of the instructor.

An introduction to the personal and professional characteristics of effective counselors. Communication skill training in basic counseling techniques and in maintaining a helping environment.

5213. Human Development and Learning (formerly EDUC 5213) 3(3-0)

The process and stages of human intellectual, physical, social, and emotional development from prenatal origins through old age.

5223. Career Development Counseling 3(3-0)

Prerequisite: Admission to the counseling program or permission of the counseling program coordinator.

Theories of career development, techniques of life-career planning, analysis of career, and educational trends.

5233. Developmental Guidance and Counseling 3(3-0)

Prerequisite: Admission to the counseling program or permission of the counseling program coordinator.

The organization, implementation, and evaluation of developmental guidance programs in elementary and secondary schools.

5243. Group Counseling 3(3-0)

Prerequisite: Admission to counseling program or permission of the counseling program coordinator.

Theoretical and procedural aspects of effective group work, including group dynamics and methods of practice with groups.

5253. Psychological and Educational Tests 3(3-0)

Prerequisite: Admission to the counseling program or permission of the counseling program coordinator.

Principles, concepts, and procedures of systematic appraisal or assessment of client needs; includes the use of non-testing approaches and test instruments.

5263. Diagnosis and Treatment Planning 3(3-0)

Prerequisite: Admission to counseling program or permission of the counseling program coordinator.

Dynamics of normal and abnormal behavior with emphasis on the diagnosis of dysfunction and the development of treatment plans.

5273. Theories and Techniques of Counseling I 3(3-0)

Prerequisites: COUN 5203, 6013, and 24 semester hours in counseling.

A study of the major theories of counseling and the development of counseling skills through the application of counseling techniques to specific counseling theories.

5283. Theories and Techniques of Counseling II 3(3-0)

Prerequisite: COUN 5273.

A continued study of the major theories of counseling and the development of counseling skills through the application of counseling techniques to specific counseling theories.

5293. Practicum in Counseling I 3(1-4)

Prerequisites: COUN 5273, 5283.

Designed as the culminating experience in the counseling program; provides 150 clock hours of counseling experience under the supervision of experienced personnel. Required for the student seeking certification as a school counselor or licensure as a professional counselor.

5303. Ethics and Issues in Counseling 3(3-0)

Prerequisites: Admission to the counseling program and 24 semester hours of counseling.

A seminar in current professional, legal, and ethical issues in counseling.

5313. Practicum in Counseling II 3(1-4)

Prerequisite: COUN 5293.

Provides an additional 150 clock hours of counseling experience under the supervision of experienced personnel. Required for the student seeking licensure as a professional counselor.

5323. Marriage and Family Counseling 3(3-0)

Prerequisites: COUN 5203, 5273, EDUC 5383, and admission to the counseling program.

A comprehensive study of the major theories of marriage and family counseling. Skill building through media, modeling, and role playing.

5333. Employee Assistance Issues 3(3-0)

An introduction to employee assistance programs found in the workplace. EAP's promote wellness and ameliorate employee problems such as emotional disorders, alcoholism and substance abuse, marriage and family problems, consumer, legal and financial problems, employee suggestions systems; child and elder care; and counseling/referral services. Laws affecting the civil rights of workers, including the Americans with Disabilities Act, the Rehabilitation Act, and Equal Employment Opportunity are covered.

5343. Introduction to Reality Therapy 3(3-0)

An introduction to the concepts of Reality Therapy and Choice Theory. Includes applications in education, counseling, and management.

5353. Advanced Reality Therapy 3(3-0)

Prerequisite: COUN 5343.

Advanced study of Reality Therapy and Choice Theory. Includes applications and skill practice in education, counseling, and management.

5373. Human Resource Development Ethical Issues 3(2-2)

A seminar in current human resource development ethical issues. Human resource professionals are the enforcers of organizational codes of ethics. This course will explore organization codes of ethics, confidential issues of management and/or the employees, company values and standards, and mandatory compliance with codes of ethics.

6013. Human Relations 3(3-0)

Developing interpersonal and intrapersonal skills with particular attention to communication with diverse populations.

6903. Problem Course 3(3-0)

Designed to offer the advanced student an opportunity to select a special area of interest in counseling for intensive study or research. Approval by a graduate faculty member is required. May be repeated once for credit.

6943. Seminar in Human Resource Development 3(2-2)

The study of personnel and industrial relations as it relates to major problems and current issues in human resource development.

6953. Seminar in Counseling 3(3-0)

Topic as announced. Major project and/or field study with group sharing and analysis. May be repeated for credit.

6963. Research 3(3-0)

Prerequisite: Score of 3.5 on GRE Analytical Writing Section or 4.0 on the Criterion On-Line Writing Evaluation.

Study of major concepts and methods in quantitative and qualitative research in counseling.

(ECED) EARLY CHILDHOOD EDUCATION

5103. Introduction to Young Children 3(3-0)

An introductory overview of the field including a study of the history of early childhood education. Emphasis on characteristics of young children and their needs, types of programs, and current issues.

5123. Early Childhood Development: Language and Literacy 3(3-0)

Prerequisite: ECED 5103 or consent of the instructor.

Emphasis on how young children's language and literacy develop and the application of developmentally appropriate practice in planning for instruction.

5133. Early Childhood Curriculum 3(2-2)

Prerequisite: ECED 5103 or consent of the instructor.

Planning the learning environment, developing learning activities, organizing the school day, and interpreting children's growth to parents. Emphasis on developmentally appropriate practice. Field experience required.

- 5143. Practicum in Early Childhood** 3(1-4)
Laboratory experience with young children.
- 6953. Seminar in Early Childhood Education** 3(3-0)
Topic as announced. Major project and/or field student with group sharing and analysis.

(ECON) ECONOMICS

- 5103. Economic Education Workshop--Public Sector Topics** 3(3-0)
Prerequisite: Consent of the MBA Coordinator.
Designed primarily for public school teachers who have had little or no prior training in economics to help them improve their understanding and ability to teach economic concepts in the classroom. Special emphasis will be placed on the topics of inflation, unemployment, the national debt, and how government policies affect our lives. May be taken for graduate credit by students in the West College of Education.
- 5113. Managerial Economics** 3(3-0)
Prerequisite: Consent of the MBA Coordinator.
Formulation of economic theories of supply, demand, and market equilibrium with emphasis on teaching students how to apply microeconomic theory in managing a business firm. A computer is used in portions of this course.
- 5133. International Trade and Monetary Problems** 3(3-0)
Prerequisite: Consent of the MBA Coordinator.
Study of, and empirical evidence related to, the trade patterns, payments, adjustment mechanisms, common markets, trade controls, multinational corporations, and recent international monetary developments.
- 5143. Macroeconomics** 3(3-0)
Prerequisite: Consent of the MBA Coordinator.
Investigation of major theories used to explain the determination and behavior of employment, output, prices, and growth. Various potential policies are identified and evaluated with respect to particular macroeconomic problems.

(EDLE) EDUCATIONAL LEADERSHIP

- 5373. Technology for School Leaders** 3(3-0)
This course presents different applications of the computer as a tool for school administrators. Topics include databases, spreadsheets, school budgeting, home pages, PowerPoint, school enrollment projection, utility of the internet, and local area networks.
- 5603. Introduction to Leadership** 3(3-0)
An introduction to trends and issues in education, staff development programs, participatory decision-making, curriculum development and planning, and professional organizations. This course provides students with opportunities to analyze themselves and develop many critical leadership skills. It serves as a base for the more specialized courses, and it should be completed early in a student's program.
- 5613. School Law and Public Relations** 3(3-0)
A study of the rights and responsibilities of teachers, student rights and responsibilities, special education, governance (federal, state, and local), staff discipline and dismissal, factors involved in school public relations, and procedures and standards for student discipline.

5643. School Business Management 3(3-0)

A study of principles of public school finance, the school budget development process, building-level fiscal management, facility planning and management, and building-level student services management.

5676. School Change and Reform 6(6-0)

Prerequisites: EDLE 5373 and 5603.

This course is an examination of the nature and process of change. Students will study models for planned change, a systems approach to change and the principal's role as a change agent. Students will also examine principles and techniques of decision-making, the stories of successful change efforts in schools, and programs for a diverse student population.

5686. Instructional Improvement and Staff Development 6(6-0)

Prerequisite: EDLE 5676.

Students will study basic knowledge of ways in which principals can support and improve excellence in classroom instruction for a diverse student population. Conferencing skills, observation techniques, evaluation techniques, peer coaching, classroom management, staff development, individual decision-making, and developmental supervision are some of the concepts to be examined.

5693. Internship in Educational Leadership 3(1-4)

A study of concepts and skills associated with team management, concepts, and skills associated with group facilitating. This course provides students opportunities to apply their leadership understandings and abilities to real situations in the public schools.

6903. Problem Course in Educational Leadership 3(3-0)

Prerequisite: Approval of graduate adviser is required.

Designed to offer the advanced student an opportunity to select a special area of interest in Educational Leadership for intensive research. May be repeated once for credit.

6953. Seminar in Education Leadership 3(3-0)

Topic as announced. Major project and/or field study with group sharing and analysis.

(EDUC) EDUCATION

5153. Mathematics and Science 3(3-0)

Stresses the influence of mathematics and science in daily life. Teaching learning processes, curriculum organization, technology, planning, problem solving, use of manipulatives, and instructional and student assessment in the education of general and special populations will be included.

5163. Structures for Learning 3(3-0)

Emphasizes strategies which promote learner-centered teaching, critical thinking and problem solving, and the integration of technology into teaching. Techniques for special populations will be included. Limited to graduate students seeking initial teacher certification.

5223. Planning for Teaching 3(3-0)

Designed to emphasize various aspects of planning for teaching, curriculum organization, use of technology in teaching general and special populations, the legal and ethical aspects of teaching, the forms of organization and management found in Texas and U.S. schools, and informal and teacher-made assessments. Limited to graduate students seeking initial teacher certification.

5283. Problem-Solving for Teachers 3(3-0)

Students will learn how to help students solve standard and non-standard mathematics problems using the Poincare model advocated by cognitive psychologists. Support for student projects and coaching interscholastic competitions such as MATHCOUNTS will be included.

5293. Cognitive Psychology and Mathematics Education 3(3-0)

Students will study attention, initial learning, remembering, and application of mathematics using principles of human learning recently established by research in human cognition.

5353. The Computer as a Tool 3(3-0)

Provides the educator with a broad base of knowledge and hands-on experience about the uses of the computer as a tool in an instructional setting. Students will have hands-on experience with word processing, database, spreadsheet, graphics, graphing, desktop publishing, telecommunications, hypermedia, and teacher utility software in an educational setting.

5363. Technology Integration 3(3-0)

Prerequisite: EDUC 5353, basic skills in computer, or consent of the instructor.

Identifying, exploring, planning, implementing, and assessing activities that integrate the use of technology into a learning environment.

5383. Multimedia Development 3(3-0)

Prerequisite: EDUC 5353 or 5363 or consent of the instructor.

Using multimedia software to organize and link information and to design and develop learning activities.

5393. Instructional Technology Topics 3(3-0)

Prerequisite: EDUC 5363.

An in-depth study and hands-on experience with a selected topic. Topics will vary depending upon emerging trends in technology and demand. May be repeated for credit.

5403. Technology for Organizational Development 3(3-0)

This course is designed to provide students in Human Resource Development with the skills to navigate and integrate various technology tools used in the HR workplace environment. Students will be exposed to the following: information technology skills, desktop publishing, power point presentations, and media based training.

5413. Characteristics and Needs of Gifted Students 3(3-0)

Characteristics of gifted/talented students; assessment techniques and multiple techniques for identification for gifted programs, nature and needs of gifted students including counseling and guidance of gifted students.

5423. Innovative Curriculum Design and Differentiation 3(3-0)

Study of various curriculum models for exceptional students; classroom curriculum and instruction for differentiation of instruction; working with gifted students in the regular classroom and in special programs.

5443. Teaching Critical Thinking Skills 3(3-0)

Techniques to enhance critical and higher order thinking skills in all subject areas including cooperative learning, reading/writing processes, research methods, investigations, and independent projects.

- 5453. Developing Creativity** 3(3-0)
Study of creativity including characteristics of creative individuals, identification of creativity and unusual talents, development of programs to enhance creativity, and teaching techniques.
- 5483. Practicum in Teaching Gifted/Talented** 3(1-4)
Laboratory experience with gifted students.
- 5513. Introduction to Training and Development** 3(3-0)
This overview course investigates the design, development, delivery, and evaluation of training programs. The relationship of modern technology and training theories with organizational practices will also be addressed.
- 5523. Trends and Issues in Training and Development** 3(3-0)
A study of current national trends and issues in the fields of training and development. Emphasis on topics related to leadership, organizational culture, and total quality.
- 5533. Instructional Strategies for Adult Learners** 3(3-0)
Examination and evaluation of methods of techniques of instruction used by both trainer and curriculum/program developers in business and industry, government, and community adult learning activities.
- 5543. Instructional Systems Design** 3(3-0)
Designed for training professionals, this course focuses on curriculum theories, approaches to curriculum development, and curriculum evaluation strategies. Includes development of goals, competencies, objectives, knowledge-based testing, and performance-based testing.
- 5583. Internship in Training and Development** 3(1-4)
Prerequisites: 12 semester hours in Training and Development.
Designed as the culminating experience in the Training and Development program; provides 150 clock hours of training experience under the supervision of experienced personnel; may be repeated for credit with approval of graduate committee chair.
- 5623. Mentoring** 3(3-0)
A study of effective mentoring theories, research, and practices. This course will teach successful ways to mentor colleagues, first year teachers, student teachers, and student interns. Students in this course will be expected to master best practices and participate in hands-on learning experiences. The course will approach mentoring as a two-way growth process, emphasizing the developmental nature of mentoring. Training in effective communication skills will be included.
- 5633. Curriculum Theory and Practice** 3(3-0)
A study of recent curriculum practices and the ideas underlying them. This course provides students with experiences in evaluating both the pros and the cons for a wide variety of curricular practices.
- 5843. Language Acquisition and Development** 3(3-0)
Introduction to language acquisition including nature and description of language, psycholinguistic and sociolinguistic characteristics of language, and development aspects.
- 5853. Second Language Learning** 3(3-0)
Study of second language learning with emphasis on comparative and contrastive features of languages.

5863. Reading and Language Arts for English as a Second Language 3(3-0)

Theories and current methodology in teaching of listening, speaking, reading, and writing skills in English as a second language. Special consideration will be given to development of reading skills in English as a Second Language.

5873. Methods and Materials for English as a Second Language 3(3 0)

Curriculum, methods, and materials for English as a Second Language including instructional techniques, assessment and testing procedures, materials evaluation, and classroom management.

5883. Practicum in English as a Second Language 3(1-4)

Laboratory experiences with ESL students.

6013. Trends and Issues in Learning and Teaching 3(3-0)

A study in contemporary issues relating to the ways students learn and best practices in instruction. Emphasis will be placed on a broad spectrum of perspectives.

6023. Learning and Assessment 3(3-0)

A study of learning theories and the learning process, testing instruments and programs, their interpretation and use in curriculum evaluation, authentic and other assessment methods and programs, and test construction.

6033. Classroom Management 3(3-0)

Methods of organizing and managing students, materials, and instruction in contemporary special populations classrooms.

6043. Instructional Strategies 3(3-0)

Developing instructional strategies with emphasis on effective teaching models, technology, and student outcomes.

6063. Induction to Teaching 3(2-2)

Supervised classroom teaching experience designed to put theory in practice and increase teaching skills of the induction year teacher.

6073. Practicum in Teaching 3(1-4)

Applying skills and instructional strategies by the first year teacher in a classroom environment to enhance teaching skills.

6753. Research 3(3-0)

Prerequisite: Score of 3.5 on GRE Analytical Writing Section or 4.0 on the Criterion On-Line Writing Evaluation.

Study of major concepts and methods in quantitative and qualitative research. Research project required. Must be completed prior to semester of graduation.

6903. Problem Course 3 semester hours

Designed to offer the advanced student an opportunity to select a special area of interest in education for intensive research. An acceptable research project is required. May be repeated once for credit.

6953. Seminar in Education 3(2-2)

Topic as announced. Major project and/or field study with group sharing and analysis.

6983, 6993. Thesis 6 semester hours

(ENGL) ENGLISH**UNDERGRADUATE COURSES WHICH MAY BE TAKEN FOR GRADUATE CREDIT WITH PERMISSION. SEE PAGE 21 FOR INFORMATION.****4643. Literature of the South and Southwest 3(3-0)**

Prerequisites: Six hours beyond 1123 or consent of chair.

The patterns of Southern and Southwestern themes and culture as exhibited in the works of representative writers.

4893. The English Novel 3(3-0)

Prerequisites: Six hours beyond 1123 or consent of chair.

Representative English novels with focus on the development of the genre, major themes, and techniques.

4903. Selected Studies in Comparative Literature 3(3-0)

Prerequisites: Six hours beyond 1123 or consent of chair.

Comparative study of selected authors or themes of different cultures or times as reflected in literature. May be repeated for credit with changed content.

4923. Modern Poetry 3(3-0)

Prerequisites: Six hours beyond 1123 or consent of chair.

Major voices in 20th century poetry with emphasis on Pound, Eliot, Williams, Frost, and Stevens.

GRADUATE COURSES**5003. Independent Research 3 semester hours**

Prerequisite: Written consent of graduate coordinator.

A tutorial course in which research in depth in a specific author or area is directed by a member of the English graduate faculty.

5013. The Teaching of Writing 3(3-0)

A workshop for developing effective methods of teaching writing in public schools.

5023. Teaching College English 3 semester hours

Prerequisite: Written consent of graduate coordinator.

Required of all full-time graduate teaching assistants in English during first two semesters in residence. An overview of problems and effective practices in the teaching of freshman English composition. Observation, demonstrations, and practice sessions. This course does not apply to the degree.

5353. Major Authors 3(3-0)

Comprehensive study of the work, life, and background of one or more major authors. May be repeated for credit with changed content.

5513. History of the English Language 3(3-0)

The development of the sounds, forms, and structure of English and the implications of modern language problems.

5523. Introduction to Linguistics 3(3-0)

Methods and nature of language, the interlocking systems that make up language; methods of language analysis.

5533. Literary Criticism 3(3-0)

A survey of historical and contemporary methods of literary criticism and their application to selected texts.

5623. **American Romantic Movement** 3(3-0)
Emphasis on the poetry and prose of Emerson, Thoreau, Poe, Hawthorne, Melville, and Whitman.
5633. **American Realism and Naturalism** 3(3-0)
The realistic and naturalistic approaches in prose fiction with emphasis on Twain, Howells, James, Dreiser, Crane, and Norris.
5653. **Modern American Literature** 3(3-0)
A survey of the major American prose writers and dramatists of the first part of the 20th century.
5753. **Old English Language and Literature** 3(3-0)
Language, literature, and worldview of Anglo-Saxon England. Emphasis on Beowulf and the epic tradition.
5763. **Middle English Language and Literature** 3(3-0)
Language, literature, and worldview of medieval England. Emphasis on Chaucer.
5773. **Shakespeare** 3(3-0)
Shakespeare's art and thought as seen in drama and poetry.
5783. **English Renaissance Period** 3(3-0)
Renaissance thought and culture as revealed by the poetry, prose, and drama of the age.
5853. **Eighteenth Century English Literature** 3(3-0)
The literature and intellectual currents of the period with emphasis on Pope, Swift, and Johnson.
5863. **The English Romantic Period** 3(3-0)
The literature and intellectual currents of the period with emphasis on Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats.
5873. **The Victorian Period** 3(3-0)
The literature and major developments during the age of Tennyson, Browning, and Arnold.
5883. **Twentieth Century English Literature** 3(3-0)
Authors and trends in English literature of the 20th century.
5913. **National Literatures in Translation** 3(3-0)
Selected topics and works in translation from one or more major national literatures. May be repeated for credit with changed content.
5933. **American Literature and Culture** 3(3-0)
The study of various aspects of American culture as reflected in American literature, arts, philosophy, and social backgrounds. May be repeated for credit with changed content.
5943. **Modern World Literature** 3(3-0)
A survey of the major authors and trends in world literature of the first part of the 20th century.
5953. **Contemporary Literature** 3(3-0)
A selective study of recent literature.

Note: Seminars listed below may be repeated for credit with changed content.

6123. Seminar: Studies in the Novel 3(3-0)
Study in depth of one selected aspect of the novel.

6223. Seminar: Studies in the Drama 3(3-0)
Study in depth of one selected aspect of the drama.

6323. Seminar: Studies in Poetry 3(3-0)
Study in depth of one selected aspect of poetry.

6413. Seminar: Studies in Comparative Literature 3(3-0)
Study in depth of one selected period or theme.

6613. Seminar: Studies in American Literature 3(3-0)
Study in depth of one selected period or theme.

6813. Seminar: Studies in English Literature 3(3-0)
Study in depth of one selected period or theme.

6983, 6993. Thesis 6 semester hours
Prerequisites: Completion of 24 hours of graduate course work in English and written consent of graduate coordinator. In exceptional cases, following the recommendation of a student's Graduate Advisory Committee chair, the coordinator can approve thesis work during the final semester of non-thesis classes.

(FINC) FINANCE

5713. Financial Administration 3(3-0)
Prerequisites: BUAD 3213 and FINC 3733 and consent of the MBA Coordinator.
Theoretical and procedural consideration in the administration of the finance function in the business firm planning, fund raising, and controlling of firm's finances. Specific emphasis is given to capital budgeting and cost of capital.

5733. Investments 3(3-0)
Prerequisites: BUAD 3213 and FINC 3733 and consent of the MBA Coordinator.
Study of various investment markets with special emphasis on corporate and government securities; the effect of investment control by the federal government evaluated from viewpoint of the public and the investor.

5833. Security Analysis and Portfolio Management 3(3-0)
Prerequisites: BUAD 3213 and FINC 3733 and consent of the MBA Coordinator.
The course provides a study of the theory of portfolio management and includes an examination of investment alternatives, security valuation, investment timing, diversification, and risk reduction.

(HIST) HISTORY

5003. Research Course in History 3 semester hours
Prerequisite: Consent of the coordinator.
Directed reading and research with topics chosen by the student and instructor. May be repeated for credit.

5013. Survey of Texas History 3(3-0)
This course examines Texas history from the time of discovery to the late twentieth century. Topics examined include the Spanish colonial period, Anglo colonization, the Texas Revolution, early statehood, the Civil War and Reconstruction, the cattleman's frontier, the oil industry, and modern Texas politics.

5023. United States Diplomatic History, 1898-1989 3(3-0)

An advanced study of United States diplomatic relations in the twentieth century from the opening of the Spanish-American War to the conclusion of the Cold War. The course will survey the history of United States foreign policy, beginning with American emergence from a tradition of isolation to a position of world leadership and world power. Topics will include the diplomacy of both world wars, the policy of containment underlying the Korean and Vietnam conflicts, relations with the Soviet Union and China, U.S.-Latin American affairs, and American approaches to the Arab-Israeli conflict.

5033. American Beginnings: From Discovery to the Revolution 3(3-0)

After the migration of man across the Bering Straits, the great Indian civilizations appeared followed by the first European colonies in the sixteenth and seventeenth centuries. Settlement spread, and an American society flowered represented by such figures as William Byrd, Benjamin Franklin, and Thomas Jefferson -- until estrangement from England provoked a crisis that finally touched off the American Revolution.

5043. The Old South 3(3-0)

This course traces the growth of Southern culture; economy and politics from the establishment of the first Southern Colonies to the Civil War. Emphasis is placed upon such topics as social organization, slavery, states' rights, and the creation of the Confederacy--always relating developments in the South to events in the nation at large.

5053. Civil War and Reconstruction 3(3-0)

The bitter sectional conflicts touched off by slavery and westward expansion provoked a mounting crisis in the 1850's, ending in the election of 1860. The course then turns to the battlefield and the question of why the South lost, concluding with an examination of the attempt to reintegrate the South into the Union and the angry social and political clash which was precipitated.

5073. The Era of Reform: Populism and Progressivism in America 3(3-0)

A study of the background and development of the agrarian reform movements of the late nineteenth century culminating in the rise and fall of the Populist party, the urban-industrial movements in America during the early twentieth century including municipal, general political, labor, child labor, social welfare, and other movements.

5083. The Age of Washington and Jefferson 3(3-0)

Federalists and Jeffersonians struggled over the destiny of the young Republic -- would it be a unitary, entrepreneurial nation, or an agrarian confederation? Complicating the battle were economic change, and the acquisition of the Louisiana Territory, even as Europe began to threaten American commerce and ultimately the independence of the Republic.

5093. The Jacksonian Era 3(3-0)

Using Andrew Jackson as a symbol of his age, the course traces the acrimonious partisan conflict which gave birth to mass democracy, and a new two-party system. This is related to such crucial issues as the bank war, nullification, minority rights and the Mexican War -- questions fostered by rapid industrialization and the migration of pioneers to the Pacific.

5103. History of England 3(3-0)

A survey of the forces and events which dominated English development from the times of the Romans to the Glorious Revolution of 1688. The course focuses on the constitutional development of England and discusses the contributions of the Anglo-Saxons and Normans as well as those of the Reformation and Elizabethan eras.

5123. History of England 3(3-0)

A survey of modern England and the emergence of the United Kingdom and the development of the British Empire. The course focuses on the development of British democracy as well as the issues and events of the American Revolution, the Industrial Revolution, the Irish Question, and the impact of the wars of the twentieth century on Britain.

5133. America: From the Jazz Age to the Nuclear Age 3(3-0)

A study of American life from the end of World War I to the end of World War II with special emphasis upon the prosperity of the Twenties, the Great Depression, the New Deal, and the domestic and foreign policy problems of the World War II period.

5143. The New South 3(3-0)

The development of the New South from the legacy of the Civil War and Reconstruction. Southern politics, economics, cultural, and industrial development.

5163. Contemporary America: From the End of World War II to the Present 3(3-0)

A study of American life and foreign policy trends since 1945 with special emphasis upon the major political, economic, and social changes which have affected the lives of all Americans.

5173. History of Mexico 3(3-0)

A survey of Mexican history from Pre-Hispanic times to the present with emphasis on the National Period 1820-1967, which includes the age of Santa Anna, La Reforma, the Diaz Dictatorship, and the Revolution of 1910.

5183. Latin America: Nationalism in the Twentieth Century 3(3-0)

Course will emphasize Vargas in Brazil, Peron in Argentina, Castro in Cuba, Allende in Chile, and such currently popular problems as those found in Central America.

5213. Europe in the Middle Ages 3(3-0)

A study of the social, political, and intellectual traditions of western society as they developed after the Germanic invasions. Emphasis will be placed on the evolution of feudal society and its interaction with the community of the Christian Church.

5233. Ancient Greece and Rome 3(3-0)

A study of the development of Greece from the Bronze Age through the Classical Age of Socrates, Plato, and Aristotle with the emergence of Rome as an imperial power and its expansion through the Mediterranean world. The course concludes with an examination of early Christianity and the collapse of the Roman political system.

5253. Renaissance and Reformation 3(3-0)

A study of the development of European society in the era of the Black Death, of overseas discoveries, of the Renaissance and Reformation. The emphasis of the course will be a topical study of Renaissance humanism and a detailed analysis of the impact of the Reformation on the doctrines and structures of western Christianity.

5273. The Age of Enlightenment 3(3-0)

A study of European culture during the age of Louis XIV and the Ancien Regime. The course will focus on the Scientific Revolution and its influence on European thought culminating with the Enlightenment.

5423. Nineteenth Century Europe, 1789-1914 3(3-0)

Europe from the French Revolution to World War I. Emphasis upon the results of the French Revolution and the influence of Napoleon, the struggle for democratic principles, industrialization, the unification of Italy and Germany, the expansion of colonial empires, and the underlying causes of World War I.

5433. Twentieth Century Europe 3(3-0)

Development of Europe from the beginning of the twentieth century to the present with emphasis on development since World War I.

5503. Early Russia and Tsardom 3(3-0)

A survey of Russian history from earliest times to the peak of Romanov power and prestige.

5513. The Modern Russian State and Empire 3(3-0)

Russian history from 1801 to the present. The crisis and collapse of autocracy, the revolutions, reaction, superpower status, and the decline and fall of empire are some of the major topics covered in this course.

5523. Eastern Europe 3(3-0)

An examination of the various Eastern European countries, including the Balkans, from earliest times to the present. Particular emphasis on nineteenth and twentieth century social, political, economic, and religious trends and institutions. The course will also include a discussion of the collapse of communism and accompanying regional conflicts.

5533. American Ideas 3(3-0)

A survey of the major intellectual currents which have shaped American thought, including Puritanism, the Enlightenment, Romanticism, Transcendentalism, Utopian Idealism, Social Darwinism, and Pragmatism. This course traces the changing intellectual patterns which have characterized the development of American civilization.

5543. History of the Middle East 3(3-0)

Includes a survey of pre-Islamic society, the rise and spread of Islam, the rise and fall of the Ottoman Empire, European Imperialism, and the contemporary Middle East.

5603. The American Frontier, 1607-1838 3(3-0)

A survey of the advancing Anglo-American frontier from the founding of Jamestown through the Indian Removal period and the Cherokee Trail of Tears. The course surveys westward expansion from the Atlantic to the Mississippi River with particular emphasis upon the ongoing clash between Anglo and Native American cultures.

5613. The American West, 1803-1890 3(3-0)

A survey of westward expansion from the Mississippi River to the Pacific. From Lewis and Clark to Wounded Knee, from the fur traders' frontier to the farmers' frontier, this course surveys the sweeping movement of the American people across the trans-Mississippi West.

5643. United States-Latin American Relations 3(3-0)

Survey of the relations of the U.S. with Latin America from independence to the present. The course keys on the Monroe Doctrine and U.S. policy from the Latin American perception of that policy. The course also covers in some detail U.S. relations with Argentina, Chile, Cuba, and Mexico.

5653. United States Military History 3(3-0)

An analysis of the actions of the armed forces in five major conflicts. Emphasis will be placed on tactical and strategic decision making, personalities, force structures and the application of technological innovations to warfare. Conflicts to be studied are: The Revolution, the Civil War, World Wars I and II, and Vietnam.

5663. Everyday Life in Europe, 1500-1950 3(3-0)

Covers the social history of Europe from the Reformation era through World War II. Examines how historical development affected the lives of ordinary men and women.

Included are such topics as the life-cycle, material conditions, social issues, and popular culture.

5673. History of Women in the United States and Great Britain 3(3-0)

Examines the lives of women in the United States and Great Britain from the seventeenth century to the present. The central focus is how the factor of gender, along with other factors such as class and race, affected the historical experience of women.

5713. Historiography 3(3-0)

Required of all graduate students with a major in history. A study of the history of historical research and interpretation from the Greeks to the present with emphasis on the American historians.

5833. Latin American History, Colonial Period 3(3-0)

This course investigates the Indian, White, and Black cultures which made up the ethnic and cultural diversity in Ibero-America. The discovery, conquest, and settlement of Ibero-America are covered in detail as are such institutions as the church, *encomienda*, and the military. The course concludes with a discussion of the impact of the reforms of Charles III as they affected Latin America and initiated the independence movement.

5843. Latin American History, Republican Period-Nineteenth Century 3(3-0)

This course traces the independence of Ibero-American Nations and explains the factionalization caused by the collapse of Spain's empire and the power struggles which resulted. Institutions such as *caudillismo*, the church, the military, and their impact are discussed as they developed during the nineteenth century.

6003. Seminar 3(3-0)

In-depth studies of selected topics in American, European, Latin-American, or Russian history. Oral reports and research papers. May be repeated for credit.

6103. Research Methods 3(3-0)

Includes traditional historical research methodology such as document evaluation, information management, content analysis, interpretation, and writing skills. Required for all graduate students.

6983, 6993. Thesis 6 semester hours

(HSAD) HEALTH SERVICES ADMINISTRATION

CORE COURSES

5103. Health Service Administration 3(3-0)

Examines the structure and functions of the American health care industry, the concepts and processes of health and illness, the institutional and individual providers of health services, and related concepts.

5113. Health Care Finance/Economics 3(3-0)

Prerequisite: Undergraduate statistics, economics or finance course.

A theoretical and practical study of organizations and functions of health care financial and economic administration. Emphases are on institutional fiscal policies, accounting concepts and internal/external control.

5123. Health Care Personnel 3(3-0)

Examination of the health care personnel/human resources and assessment of the alternative approaches for improving the productivity of medical and allied health care

providers. Emphasis is on health care provider productivity analysis and projection of human resource evaluation.

5133. Health Systems Analysis 3(3-0)

Prerequisite: Undergraduate statistics, economics or finance course.

Introduction to principles and methods employed in health evaluation within health organizations. Focus will be on conceptualization, design, and operational procedures used in health program evaluation.

5143. Health Care Law 3(3-0)

Examines the basic principles and practices of law affecting health facilities and medical practice. Also presents the legal aspects of patient care and treatment, medical services and other health related functions relating to health employment law.

5153. Managed Care 3(3-0)

A pragmatic examination of the theories for and uses of managed health in a complex society. Managed Medicaid and Medicare are discussed as well as a special emphasis on financial contract negotiations.

ELECTIVE COURSES (REQUIRED FOR MHA STUDENTS)

5163. Health Administration Problems (Residency) 3(3-0)

Prerequisite: Admission by the professor.

A hands on worksite oriented assessment of an operating health organization. A portfolio and oral examination is required for MHA students only. For those taking it as an elective, 90 clock hours must be documented at an operating health organization unless waived by the professor. MHA students must document 160 hours of contact time with their respective preceptor. May be repeated.

5203. Health Care Marketing 3(3-0)

A foundational approach to the theories, concepts, and techniques of marketing applied to the health care services market. Emphasis is placed on the role of marketing and health facility/organization outcomes with patient needs.

5213. Health Services Strategic Management 3(3-0)

Focuses on the formulation, implementation, and evaluation of strategy in health care financing of organizations. Emphasizes concepts dealing with industry structure, the strategic management process, and achieving/implementing planned programs to sustain competitive advantage.

5223. Health Informatics 3(3-0)

Examines the software and hardware components required for effective health care operations. Both regulatory and procedural aspects of daily health operations are explored for those who use p.c. based and mainframe computer systems.

5233. Health Policy 3(3-0)

Focuses on the current policy and future political ideology as they both impact care in health organizations. A sociologic framework is used to present issues and policy outcomes.

5243. Long Term Care Administration 3(3-0)

Focuses on unique knowledge and skills considered essential for effective long term care administration. Emphasis is on the long-term care administrator as a person who ensures normalized living within a health care environment.

5253. Health Services Research

3(3-0)

Prerequisite: HSAD 5133.

A seminar on the current knowledge and research issues within specialized areas of health. An emphasis on the organizing, planning, and implementing of research results is used.

5273. Health Care Ethics

3(3-0)

Examines the ethical issues when providing healthcare in a complex culture. Morals and ethics are assessed with a framework of six domains: decision-making, professionalism, clinical, business, organizational, and social.

5283. Health Care Financial Management

3(3-0)

Prerequisite: HSAD 5113 or approval of the instructor.

An advanced healthcare finance course covering methods of strategically positioning health organizations in a competitive market using debt analysis, stocks and bond coverage. A special emphasis is provided on projecting future earnings.

6003. Seminar in Health Services Administration

3(3-0)

This is a course designed for those who seek new or current health services that are in revision. Both on and off campus education may be used to fulfill course requisites. May be repeated.

(KNES) KINESIOLOGY

5003. Research and Design in Kinesiology

3(3-0)

Introductory principles of scientific inquiry, research methods applicable to these fields, evaluation of published research, and procedures for developing a research design.

5013. Applied Research Statistics in Kinesiology

3(3-0)

Methods of acquisition, analysis, and interpretation of data most often encountered in sport and exercise science will be included. Emphasis will be placed on descriptive methods, statistical methods, and computer applications.

5023. Applied Exercise Physiology

3(3-0)

This course is designed with the goal of developing a more comprehensive understanding of exercise physiology. The course provides sections of various biochemical and physiological systems and how they respond to exercise and chronic training. Special reference will be made to the physiology of various types of sports as well as clinical applications.

5043. Administration of Sport and Athletics Program

3(3-0)

Study includes sports and athletic programs, philosophy, management, public relations, legal liability, facilities, and management of athletic and sports programs.

5053. Sport Psychology

3(3-0)

Theories and practices that influence the teaching and learning of game and sport skills, and coaching of athletics. A study of psychological processes that influence motor performance, including readiness, attention, arousal, memory, motivation, transfer, retention, concentration, confidence, and group dynamics.

5063. Seminar in Kinesiology

3(3-0)

Study of current topics relevant to sports, athletics, and recreation programs. May be repeated with the consent of instructor.

5073. Problems 3(3-0)

Prerequisite: Consent of the Kinesiology Department chair

Offers the advanced student an opportunity to select a special area of interest for intensive research in human performance, sports, or recreation. A research paper is required. May be repeated once for credit.

5083. Sport Sociology 3(3-0)

Understanding sport as an institution in society. Understanding of teams, leagues, interscholastic, intercollegiate sports and how they function within a community and its power structure. Study of the benefits of sports. Study of the impact of television on sport. Emphasis on selected issues such as drug abuse, the responsibility to model, the role of women and minorities in sports, and academic standards and sports.

5093. Advanced Exercise Physiology 3(3-0)

Prerequisite: KNES 5023.

An in-depth exploration of current scientific literature specific to exercise physiology. Topics include; bioenergetics, musculoskeletal growth and maturation, cardiorespiratory function and dysfunction, and human performance.

5103. Advanced Mechanical Kinesiology 3(3-0)

Prerequisite: KNES 4643 or approval of instructor.

Study of forces which act on a human body and the effects which these forces produce. Practice in recognition and correction of incorrect movement patterns through cinematographic analysis.

5203. Kinesiology in the College Classroom 3(2-2)

Prerequisites: Graduate standing in the University and permission of instructor.

A review and application of sport and exercise science specific teaching methods and techniques in the college classroom and laboratory.

5333. Outdoor Education 3(3-0)

Prerequisite: Instructor approval.

Includes instruction and practice in sports not generally offered in traditional school programs such as sailing, canoeing, backpacking, camping, angling, and shooting.

5513. Sport and Exercise for Exceptional Individuals 3(3-0)

A comprehensive study will be presented in planning and providing sport and exercise opportunities for individuals with physical, mental, and emotional handicaps. Sports and dance events, such as Wheelchair Sports and Special Olympics, will be included, as well as a study of the kinesthetic and physiologic differences of movement for handicapped individuals.

5673. Legal Aspects of Physical Education and Athletics 3(3-0)

An analysis of the legal elements and responsibilities found in physical education, athletic, and recreational programs. Emphasis will be placed on developing proficiency in recognizing and solving legal issues.

6003. Graduate Internship in Kinesiology 3 semester hours

Prerequisites: 9 hours of graduate work in Kinesiology and consent of instructor.

A supervised experience in taking theory into practice in a variety of professional work environments. A minimum of 144 hours are to be spent working directly with patients, clients, students, or athletes. May not be repeated for credit.

6013. Advanced Physiological and Mechanical Testing and Analysis 3(3-0)

Prerequisites: KNES 5093 and 4103 or 5103.

Practical experience with and evaluation of equipment and techniques used in the

exercise science laboratory and clinic. Emphasis is on instrumentation used in the analysis and measurement of muscular, respiratory, cardiovascular, and nervous system structure and function.

6023. Advanced Curriculum Issues in Kinesiology 3(3-0)

Prerequisite: KNES 5203.

Analysis of current curricular models in physical education for elementary and secondary physical education, as well as college level kinesiology courses. Emphasis will be on designing a course curriculum based on current research and trends in the field including assessment for the course.

6103. Research 3(0-3)

Prerequisites: KNES 5003 and KNES 5013.

Participation in faculty and graduate research projects in biomechanics, pedagogy, and physiology.

6983, 6993. Thesis 6 semester hours

Prerequisites: KNES 5003 and KNES 5013.

(MATH) MATHEMATICS

UNDERGRADUATE COURSES WHICH MAY BE TAKEN FOR GRADUATE CREDIT WITH PERMISSION. SEE PAGE 21 FOR INFORMATION.

4133. Mathematical Statistics I 3(3-0)

Prerequisite: MATH 2534 or consent of instructor.

Probability theory, random variables, distributions, generating functions, and limit theorems.

4143. Mathematical Statistics II 3(3-0)

Prerequisite: MATH 4133.

Sampling distributions, point and interval estimation, hypothesis testing, goodness of fit, ANOVA, correlation, and regression.

4223. Discrete Mathematics 3(3-0)

Prerequisites: 12 hours of mathematics.

Combinatorics, graph theory, and difference equations.

4243. Operations Research I 3(3-0)

Prerequisites: MATH 1734 and STAT 3573.

A study of linear programming including convex sets, geometric solutions, simplex methods, duality, sensitivity analysis, and integer programming.

4293. Introduction to Ring Theory 3(3-0)

Prerequisite: MATH 3293.

Foundations of ring theory including properties of modular rings, integral domains, ideals, quotient rings, ring homomorphisms, polynomial rings, and fields.

4453. Theory of Numbers 3(3-0)

Prerequisites: 12 hours of mathematics.

Divisors and prime numbers, congruences, primitive roots, quadratic residues, and continued fractions.

4573. Complex Analysis 3(3-0)

Prerequisite: MATH 2534.

Functions of one complex variable, Cauchy integral formula, and Taylor series.

4733. Introductory Analysis I 3(3-0)

Prerequisites: MATH 1734, 3293, or consent of instructor.

Foundations of the calculus to include sequences, series, continuity, differentiation, and integration.

4833. Introductory Analysis II 3(3-0)

Prerequisite: MATH 4733.

A continuation of MATH 4733.

4933. Topics 3(3-0)

Prerequisite: Consent of the instructor.

Selected topics from advanced mathematics. May be repeated for credit with consent of coordinator.

GRADUATE COURSES**5293. Modern Algebra** 3(3-0)

Prerequisite: MATH 3293 or consent of the instructor.

Foundations of modern algebra including properties of groups, rings, fields, modular rings, integral domain, ideals, quotient rings, and homomorphisms.

5353. Topics in Discrete Math 3(3-0)

Prerequisite: Consent of the instructor.

Topics selected from set theory, combinatorics, sequences, graph theory, difference equations, discrete optimization, complexity, and discrete geometry. May be repeated once for credit as specific topics vary.

5363. Topics in Mathematics Education 3(3-0)

Prerequisite: Consent of the instructor.

Topics selected from proof and justification, algebra, trigonometry, measurement and geometry, estimation, data analysis, modeling, number theory, and classroom technology. May be repeated once for credit as specific topics vary.

5373. Topics in Applied Mathematics 3(3-0)

Prerequisites: 6 hours of graduate level or senior undergraduate level mathematics or consent of the instructor.

Topics selected from dynamical systems, partial differential equations, Fourier analysis, wavelets, complex analysis, or special functions. Material will be varied according to the needs and interest of the class. May be repeated once with different emphasis for additional credit.

5453. Theory of Numbers 3(3-0)

Prerequisites: 12 hours of mathematics.

Divisors and prime numbers, congruences, primitive roots, quadratic residues, and continued fractions.

5473. Geometry for Teachers 3(3-0)

Prerequisites: 12 hours of mathematics or consent of instructor.

The course will include investigation and exploration of geometric relationships beyond those which make up a traditional high school geometry course, as well as proof of such geometric relationships within the axiomatic structure of Euclidean geometry. Topics may include, but are not limited to, congruence, similarity, symmetry, transformational geometry, concurrency of lines, collinearity of points, constructions, distance and measurement.

5483. History of Mathematics

3(3-0)

Prerequisites: 12 hours of undergraduate level mathematics or consent of the instructor.

A survey of the development of major mathematical topics, including geometry and algebra. Philosophical and cultural aspects will be integrated with the structure, theorems and applications of mathematics.

5493. Probability and Statistics for Teachers

3(3-0)

Prerequisites: 12 hours of mathematics or consent of instructor.

Topics from probability theory, simulation, descriptive and inferential statistics, and research methods.

5573. Complex Analysis

3(3-0)

Prerequisite: Consent of the instructor.

Analytic functions, conformal mappings, Maximum Modulus Theorem, Integration and Cauchy's Theorem, residues and poles.

(MGMT) MANAGEMENT**5413. Contemporary Perspectives in Human Resource Management**

3(3-0)

Prerequisites: MGMT 3013 or equivalent and consent of the MBA Coordinator.

An analysis of current issues in the broad field of human resources and the organizational response. Issues include fair employment and compensation practices, human utilization and motivation, individual rights, collective bargaining, personnel-related laws, decisions, guidelines, and executive orders.

5423. Seminar in Industrial Management

3(3-0)

Prerequisites: MGMT 3453 or equivalent and consent of the MBA Coordinator.

A critical analysis of, and research into emerging industrial management theories and tools, with emphasis on their economic, social, and physical implications.

5443. Current Issues in Organizational Behavior

3(3-0)

Prerequisites: MGMT 3013 or equivalent and consent of the MBA Coordinator.

Behavioral factors relating to issues such as automation, ethics, labor-management relations, and similar problems, with emphasis upon research and current literature.

5733. Leadership and Teamwork

3(3-0)

Introduction to the challenges of leadership and the inherent tendencies for individuals and departments to suboptimize. Ways to improve motivation, communication, coordination, and cooperation will be studied.

6883. Seminar in Business Policy

3(3-0)

Prerequisite: Consent of the MBA Coordinator.

Analytical study of process of business decision making, the creation of business strategy, and the creation of sound business objectives and policies. Takes an integrating or interdisciplinary approach to the role of the organizational executive. Should be taken during student's last spring semester.

(MKTG) MARKETING**5303. Current Issues in Marketing**

3(3-0)

Prerequisites: MKTG 3723 or equivalent and consent of the MBA Coordinator.

A study of the current social issues in marketing. Topics covered include product safety, issues of deceptive advertising, environmental impact of marketing practices, information disclosure, and other issues relating to the consumer movement.

5513. Seminar in Marketing 3(3-0)

Prerequisites: MKTG 3723 or equivalent and consent of the MBA Coordinator

An intensive study of specific marketing concepts, theories, and strategies employed in the marketing of goods and services. Emphasis is placed on reading current journal articles and other related marketing publications.

5753. Marketing Management 3(3-0)

Prerequisites: MKTG 3723 and consent of the MBA Coordinator.

Marketing management including a study of qualitative and quantitative market analysis, product distribution, sales management functions, sales organization, sales promotion functions, and sales control.

5823. Consumer Behavior 3(3-0)

Prerequisites: MKTG 3723 and consent of the MBA Coordinator.

An exploration and evaluation of the extensive body of research evidence pertaining to the consumer, and an assessment of the marketing implications of the various processes and facets of consumer motivation.

(NURS) NURSING

5023. Research in Nursing 3(3-0)

Prerequisite: An undergraduate statistics course.

Provides students with the opportunity to develop a research-oriented approach to nursing practice. Both quantitative and qualitative methodologies are explored with a focus on the critical analysis and clinical application of research findings.

5043. Pathological Processes for Advanced Nursing Practice 3(3-0)

Prerequisite: Admission to the MSN Program.

Development of an in-depth knowledge base of pathophysiology and psychopathology across the life span for advanced nursing practice.

5053. Contemporary Perspectives 3(3-0)

Prerequisite: Admission to MSN Program.

Social, economic, historical, political, ethical, cultural, and legal issues in health care delivery are analyzed. Implications for advanced nursing practice are addressed.

5101. Diagnostic Studies and Ambulatory Procedures 1(0-4)

Prerequisite: NURS 5113.

Theory and technical skills basic to the beginning management of common office and emergency situations. Focuses on selected procedures such as basic suturing techniques, application of splints and casts, diagnostic tests, and other procedures encountered by advanced practice nurses in the primary health setting.

5103. Theoretical Foundations in Nursing 3(3-0)

Prerequisite: Admission to the MSN Program.

A foundational course that provides students with an opportunity to examine philosophical and theoretical bases for advanced nursing practice. Selected concepts, health-related models and nursing theories are analyzed.

5113. Health Assessment for Advanced Nursing Practice 3(2-4)

Prerequisite: An undergraduate assessment course and NURS 5043. (NURS 5043 may be taken currently.)

Provides students with the opportunity to refine and augment comprehensive health assessment knowledge and skills in individuals, families, groups, and communities (IFGC) across the lifespan. Emphasis is on the ability to distinguish pathological changes from normal variants. Additional diagnostic techniques are included.

5123. Family and Group Theory in Advanced Nursing Practice 3(3-0)

Prerequisite: Admission to MSN Program.

Explores family and group dynamics from a variety of theoretical perspectives. A clinical practicum in the community setting provides an opportunity to develop theory-based group and family assessments, diagnoses, and plans relevant to advanced nursing practice.

5133. Pharmacotherapeutics in Advanced Nursing Practice 3(3-0)

Prerequisite: NURS 5043. (May be taken concurrently.)

Content in pharmacokinetics and pharmacodynamics, pharmacology of current/commonly used medications, and the application of drug therapy to the treatment of disease and/or the promotion of health.

5175. Family Nurse Practitioner I 5(3-8)

Prerequisites: NURS 5043, 5103, 5113, 5123, 5133.

Provides the opportunity to assess, diagnose, and formulate plans for health-wellness promotion and illness/injury prevention across the lifespan among IFACS. Primary care roles are emphasized.

5195. Family Nurse Practitioner II 5(3-8)

Prerequisite: NURS 5175.

A continuation of NURS 5175. Students are provided the opportunity to gain additional knowledge and application of diagnostic evaluation and therapeutics necessary to manage common health deviations across the lifespan in the ambulatory setting.

5223. Seminar in Health Care Personnel 3(3-0)

Application of theory and strategies related to personnel/human resource management to improve the productivity of health care personnel. May be taken in lieu of HSAD 5123 with permission of the coordinator of the Nurse Administrator Program.

5233. Theoretical Foundations in Nursing Education 3(3-0)

Prerequisite: NURS 5103. (May be taken concurrently.)

An introduction to nursing education, its historical evolution and development, and exploration of relevant theoretical foundations. Includes critical analysis of selected curriculum models and their application to a variety of educational environments.

5243. Nurse Educator I 3(2-4)

Prerequisites: NURS 5103 and 5233.

Exploration of the components of the curriculum development process. Focus is on the application of major teaching-learning and nursing theories in the classroom environment. Supervised practicum related to the role of the teacher of nursing in the classroom is required.

5253. Nurse Educator II 3(2-4)

Prerequisite: NURS 5243.

Development of a personal philosophy of nursing education and an organizational framework upon which to build curriculum. Focus is on the application of major teaching-learning and nursing theories in the clinical laboratory environment. Supervised practicum related to the role of the teacher of nursing in the clinical setting is required.

5283. Role of the Advanced Nurse Practitioner (formerly NURS 6073) 3(3-0)

Prerequisites: NURS 5103 and/or consent of the graduate coordinator.

Examination of the multiple roles of the nurse in advanced practice and integration of these roles into the practice settings. Explores the process of resource utilization in relationship to health care management, health promotion, and cost effectiveness.

5377. Family Nurse Practitioner III (formerly NURS 6177) 7(1-24)

Prerequisite: NURS 5195.

Building on NURS 5195, provides students with the opportunity to synthesize knowledge and theories in the application of primary care health management across the lifespan. This course is the capstone practicum experience for the family nurse practitioner program.

5503. Assessment in Nursing Education 3(3-0)

Prerequisites: Undergraduate statistics course and NURS 5243 pre/co-requisite.

Provides an introduction to both theory and method of evaluation in nursing education. The focus is on assessment of process and outcome related to nursing education in both classroom and clinical settings, at the level of the individual learner, course, and program. Ethical and legal issues in evaluation are also considered.

6224. Nursing Administration: Synthesis and Application 4 (3-4)

This course provides a foundation for nursing administration in today's integrated health care delivery system. Students will synthesize and apply theoretical and conceptual frameworks, governmental and accreditation regulations and health policies important to the practice of nurse executives. Particular attention will be paid to evidence-based nursing administration.

6883. Research Paper I 3 semester hours

Prerequisite: NURS 5023.

The student enrolls in this course once. The goal is the completion of the prospectus for the research paper.

6893. Research Paper II 3 semester hours

Prerequisite: NURS 6883.

The student must register for NURS 6893 each semester until the research paper is completed. The student may seek a waiver in the event of extenuating circumstances or an academic load of greater than 9 hours.

6911, 6912, 6913. Seminar in Graduate Nursing 1, 2, 3 (1, 2, 3-0)

Prerequisites: All graduate nursing core courses.

In depth studies of selected topics in nursing. May be repeated for a maximum of six credit hours. Topics may vary. Can also be used for additional clinical experience in which case the number of contact hours is the number of credit hours multiplied by 4.

6983. Thesis I 3 semester hours

Prerequisite: NURS 5023.

6993. Thesis II 3 semester hours

Prerequisite: NURS 6983.

(POLS) POLITICAL SCIENCE**UNDERGRADUATE COURSES WHICH MAY BE TAKEN FOR GRADUATE CREDIT WITH PERMISSION. SEE PAGE 21 FOR INFORMATION.****4443. Black Politics** 3(3-0)

An examination of the political behavior of Black Americans in the United States by focusing on the relationship between Black Americans and the various actors, institutions, and processes of the American Political System. Special emphasis on contemporary problems, trends, and developments of Black Politics.

4553. Twentieth Century Political Thought 3(3-0)

An analysis of recent trends in political thought.

4653. International Political Economy 3(3-0)

An examination of the interaction of economics and politics with specific attention to issues in international trade, international finance, and international economic and political development.

4901. Problems in Government and Politics 1 semester hour

Supervised reading and research in the field of government and politics.

4902. Problems in Government and Politics 2 semester hours

Supervised reading and research in the field of government and politics.

4903. Problems in Government and Politics 3 semester hours

Supervised reading and research in the field of government and politics. May be repeated for credit when the topics vary.

4923. Seminar 3(3-0)

Study and research of problems in government and political science. May be repeated for credit when topics vary.

4933. Issues in World Politics 3(3-0)

Analyses of contemporary problems in international politics.

GRADUATE COURSES**5003. Research in Political Science** 3 semester hours

Completion of a project of directed reading and research. May be repeated for credit.

5013. Scope and Methods of Political Science 3(3-0)

Intensive examination of bibliography, scope, methods, and concepts of political science. Includes study of the philosophy of social science and quantitative analysis through applied research topics.

5043. Legislation 3(3-0)

A study of the role of Congress in the American System.

5133. Public Administration 3(3-0)

Examination of the basic principles involved in the administration and execution of public policy. Includes such topics as organizational theory, personnel management, budgetary procedures, and the politics of administration.

5153. Quantitative Methods 3(3-0)

Examines theory building and testing, statistical modeling, multivariate analysis, and applications for general social science research.

5163. Intergovernmental Relations and Federalism 3(3-0)

Examines the constitutional basis of federalism, theories of federalism, evolution of relationships among federal, state, and local governments, and analysis of current patterns of association.

5173. Organizational Behavior and Decision Making 3(3-0)

Examines individual, interpersonal and group behavior in the organizational context utilizing both theoretical and quantitative approaches in the study of these concepts.

5233. American Constitutional Law I 3(3-0)

The development of the Constitution through the interpretations of the Supreme Court.

5243. American Constitutional Law II 3(3-0)

A continuation of Political Science 5233. Additional cases in constitutional development. A study of civil rights and civil liberties.

5333. International Law 3(3-0)

The role of the law of nations in world politics, with emphasis on the history, theories, sources, and enforcement of international law.

5443. Municipal Government and Metropolitan Problems 3(3-0)

Study of the structure, functions, and politics of local governments with special emphasis on the problems of governing metropolitan areas.

5453. Political Protest and Revolutions 3(3-0)

An advanced study of political protest concentrating on the dynamics of the interactions between the regime and the dissidents. This course provides students with both a factual background of modern political revolutions and protest movements as well as examining such theoretical issues as the collective action problem, relative deprivation and resource mobilization theory.

5533. Government and Politics of Western Europe 3(3-0)

A comparative study of political institutions and processes, with particular attention to the United Kingdom, France, and Germany.

5543. Government and Politics of Eastern Europe 3(3-0)

A comparative study of the political institutions and processes in the region, with particular attention to Poland, Hungary, and the Czech Republic.

5553. Government and Politics of Central Eurasia 3(3-0)

A comparative study of modern political institutions and processes of the former Soviet republics with particular attention to the Russian Federation.

5573. African Politics 3(3-0)

This course introduces students to African politics and society by depicting in broad strokes the complexities and diversities of the African world since independence, and investigates new paths of understanding into intricate dynamics.

5583. Government and Politics of Latin America 3(3-0)

An advanced study of the political institutions and processes of eight Latin American countries. Special attention is given to contemporary topics that affect the region such as populism, bureaucratic authoritarianism, drug trafficking, human rights, and neo-Liberal reform.

5653. International Relations 3(3-0)

A study of the nation-state system; critical analysis of principles, problems, and factors involved in the foreign policies and relations of the various states.

5853. Contemporary American Foreign Policy 3(3-0)

A study of politics and problems in United States foreign relations since World War II.

5913. Issues in Government 3(3-0)

Reading and discussion of significant problems in government.

6013. Seminar in American Government 3(3-0)

Topics vary. May be repeated with different topic.

6023. Seminar in Comparative Government 3(3-0)

Topics vary. May be repeated with different topic.

6043. Seminar in International Relations 3(3-0)
Topics vary. May be repeated with different topic.

6063. Seminar in Public Law 3(3-0)
Topics vary. May be repeated with different topic.

6983, 6993. Thesis 6 semester hours

(PSYC) PSYCHOLOGY

5103. Cognitive-Behavior Therapy 3(3-0)
Prerequisite: PSYC 4003 or consent of instructor.

A survey of contemporary theories of learning and the application of principles of learning. Includes such topics as social and cognitive theories of learning and behavior analysis and modification.

5113. Research and Statistical Analysis 3(3-0)
Prerequisites: PSYC 3313 and 4703 or consent of instructor.

Fundamentals of analysis of variance and nonparametric statistics, problems of psychological measurement and research design, and an introduction to multivariate design and analysis.

5123. Child and Adolescent Clinical Psychology 3(3-0)
Prerequisite: Consent of instructor.

The course provides students with theoretical approaches for treating children and adolescents who display developmental difficulties or psychopathologies.

5133. Techniques of Assessment I (Intellectual Assessment) 3(3-0)
Prerequisite: Consent of instructor.

Theory and practice in the use of cognitive assessment procedures. Emphasis is on the selection and interpretation of instruments measuring intelligence and screening for brain damage.

5143. Current Professional Issues 3(3-0)
Prerequisite: Consent of instructor.

A seminar concerned with the contemporary field of psychology as it relates to ethical, legal, and social issues. Emphasis is placed on the role of the psychologist in applied social, governmental, and community agencies, as well as in private practice.

5153. Theories of Personality 3(3-0)
Prerequisite: Consent of instructor.

A critical survey of the major theories of personality, including an exploration of the role of personality factors in the development of psychopathology.

5163. Psychopathology 3(3-0)
Prerequisite: PSYC 3603 or consent of instructor.

A survey of the historical views, alternative conceptualizations, and current representations of the major categories of psychopathology, with an applied emphasis on the diagnostic procedures of the current Diagnostic and Statistical Manual.

5191, 5192, 5193. Special Problems 1-3 semester hours
Prerequisite: Consent of Department Chair.

Intensive study in a specialized area of interest.

5213. Theories of Counseling 3(3-0)
Prerequisite: Consent of instructor.

A critical survey of major theories of counseling including: effectiveness of therapy; models for assessing needs of clients; development and maintenance of cognitive, emo-

tional, and/or behavioral problems; theory specific treatment goals; and the application of theory specific techniques.

5233. Human Development Across the Life Span 3(3-0)

Prerequisite: Consent of instructor.

Study of developmental theories and tasks across the lifespan with emphasis on child and adolescent periods. Focus on social, personality, intellectual, and physical changes within each major lifespan period.

5823. The Rorschach 3(3-0)

Prerequisite: PSYC 6143 or consent of instructor.

Training in the theory, administration, scoring, and interpretation of the Rorschach, utilizing Exner's Comprehensive System.

5843. Multicultural Psychology 3(3-0)

Prerequisite: Consent of instructor.

The focus of this course is on the development of a therapeutic relationship with individuals and families from varying socioeconomic groups and differing cultural backgrounds. Considerations are given to behavioral and cultural issues, therapist credibility, acculturation, the impact of extended families, and the overdiagnosing of multicultural clients.

5863. Neuropsychology 3(3-0)

Prerequisite: Consent of instructor.

The focus of this course is on the interactions of the brain and human behavior. The course includes a survey of the organization of the nervous system, cellular organization, brain biochemical activity, and neurophysiology. Brain traumas, major psychiatric disorders, and degenerative disorders will be examined as to biological etiology and psychopharmacological interventions.

5901. Clinical Staffing 1(1-0)

Prerequisite: Consent of instructor.

Clinical staffings provide the student with an opportunity to observe the clinical decision-making processes involved in the diagnosis and treatment of individuals and couples. During the first two semesters of enrollment, students will attend a weekly meeting during which licensed psychologists and graduate clinicians discuss ongoing clinical cases.

6001. Teaching Practicum 1(1-0)

Prerequisite: Consent of Department Chair.

Required for all Teaching Assistants during the first semester of teaching. A review and discussion of college teaching techniques, common problems encountered in teaching, and the theory and practice of evaluating students.

6013. Seminar in Psychology 3(3-0)

Prerequisite: Consent of instructor.

Seminar discussions and/or projects dealing with topics in psychology. May be repeated for credit when topics vary.

6023. Clinical Geropsychology 3(3-0)

Prerequisite: Consent of instructor.

An in-depth study of the developmental needs of older individuals, with emphasis on acquisition of a foundational knowledge of the assessment, diagnosis, and treatment of older adults with mental illness.

6103. Vocational Assessment and Counseling 3(3-0)

Prerequisite: Consent of instructor.

Theories and applications of career assessment and counseling for populations including young adults, displaced workers, midlife career changers, and retirement-age individuals. Areas surveyed include theories of career choice and development, career assessment techniques, and career programs.

6113. Individual Psychotherapy 3(3-0)

Prerequisite: PSYC 5153 or 5163 or consent of instructor.

A survey of the major theories and techniques of individual psychotherapy, and the application of these techniques in a structured clinical setting.

6123. Therapeutic and Psychoeducational Groups 3(3-0)

Prerequisite: Consent of instructor.

Examination of the development, implementation, and maintenance of therapeutic and psychoeducational groups. Includes a training group experience and the implementation of a psychoeducational workshop.

6133. Marriage and Family Therapy 3(3-0)

Prerequisite: Consent of instructor.

The course provides students with an introduction to systems theory, marriage and family therapy concepts, the genogram, and marriage and family theory. Families are looked at both from a family life cycle and individual perspective. Students apply the material to case studies throughout the semester.

6143. Techniques of Assessment II (Personality Assessment) 3(3-0)

Prerequisite: Consent of instructor.

Theory and practice in the use of personality assessment procedures, including interview, objective and projective techniques.

6153. Practicum I 3(3-0)

Prerequisites: One course from each of the following three groups, to total 9 hours: PSYC 5153 or 5163; 5133 or 6143; 6113, and consent of practicum supervisor.

Consists of 150 clock hours of work and study in an approved setting which provides psychological services such as a Community MHMR Center, a psychiatric hospital or a counseling center. This work and study is to be supervised by a licensed psychologist.

6163. Practicum II 3(3-0)

Prerequisites: Acceptable completion of PSYC 6153 and consent of practicum supervisor.

A continuation of Practicum I consisting of 150 clock hours of work and study in an approved setting which provides psychological services such as a Community MHMR Center, a psychiatric hospital, or a counseling center. This work and study is to be supervised by a licensed psychologist.

6173. Practicum III 3(3-0)

Prerequisites: Acceptable completion of PSYC 6163 and consent of practicum supervisor.

A continuation of Practicum II consisting of 150 clock hours of work and study in an approved setting which provides psychological services such as a Community MHMR Center, a psychiatric hospital, or a counseling center. This work and study is to be supervised by a licensed psychologist.

6983, 6993. Thesis 6 semester hours

Prerequisite: Approval of the thesis chairperson.

(PUAD) PUBLIC ADMINISTRATION

5001, 5002, 5003. Directed Research in Public Administration 1-3 semester hours

Prerequisites: In most cases, 18 hours of Public Administration and permission of the faculty director.

The student is advised by a faculty member, who assists in selecting a topic to research in public administration and directs an independent research project.

5023. Quantitative Methods in Public Administration 3(3-0)

Study of the theory and methodology of empirical research as applied in public administration from the standpoint of both the practitioner and the consumer. Methodologies include experiments, field research, field experiments, focus groups, content analysis, policy evaluation research, and survey methods. Quantitative methods relating to research design, probability, and inferential statistics are applied to classroom projects in public administration.

5033. Advanced Quantitative Methods in Public Administration 3(3-0)

Prerequisite: PUAD 5023.

Theory building and testing, advanced statistical modeling, and multivariate analysis, with emphasis on applications for public administration.

5133. Public Administration 3(3-0)

Examination of the basic principles involved in the administration and execution of public policy. Includes such topics as organizational theory, personnel management, budgetary procedures, and the politics of administration.

5143. Ethics in the Public Sector 3(3-0)

Introduction to ethical theories and their application in the public sector. Individual as well as organizational responsibility emphasized through case studies.

5163. Intergovernmental Administrative Problems 3(3-0)

Examines the constitutional basis of federalism and the evolution of fiscal, legal and administrative relationships among federal, state and local governments.

5253. Comparative Administration of Justice 3(3-0)

Compares and contrasts criminal justice agencies within and outside the United States. The course notes similarities and differences in administrations, organizations, principal functions, and objectives. Considers the nature of governmental control and oversight and the relationship between agencies and the public.

5263. Legal Issues of State and Local Government 3(3-0)

Substantive law applied to all aspects of governmental and administrative operations in state and local government. Topics include state/local relations, governmental structures, liabilities of public officials, and financial and regulatory activities.

5363. Administration of Justice 3(3-0)

Case study approach of an individual defendant from the time the crime is committed through the defendant's parole. Includes an analysis of principal and supportive agencies. The course will examine the legal procedures and rules in the criminal justice process effecting the defendant and public. The course encompasses an in-depth view of the adversary procedures, which form the basis of the criminal justice system.

5373. Management in Criminal Justice Agencies 3(3-0)

The course is designed to examine areas of management in criminal justice agencies. Particular attention is paid to issues of planning, budgeting, and human resources. Emphasis will be placed on the development of critical management skills required in modern criminal justice organizations.

5383. Justice and Society 3(3-0)

Comprehensive analysis of the dynamics between the agencies in the administration of justice and the public clients they serve. Emphasis is placed on trust, understanding, integrity, and dialogue.

5723. Non-Profit Management 3(3-0)

Unique aspects of managing non-profit organizations emphasized, including board-staff relations, fund-raising, grantsmanship, and managing volunteers.

5733. Leadership and Teamwork 3(3-0)

Introduction to the challenges of leadership and the inherent tendencies for individuals and departments to sub-optimize. Ways to improve motivation, communication, coordination, and cooperation will be studied.

5803. State and Local Government Management 3(3-0)

Organization and management of American state and local government. Executive leadership, governance structures, and service implementation are emphasized. Relations between state and local governments examined.

5813. Public Works Administration 3(3-0)

Introduction to management of public works, including municipal water and sewer systems, road-building and maintenance, parks and recreation programs, construction management, and contract administration.

5823. Economic Development 3(3-0)

Role of both private and public sectors in economic development; understanding strategic tools, including quantitative analysis methods and effective economic development programs for local governments.

5833. Community Development 3(3-0)

Theories, policies and methods for managing community growth, including land use, housing, transportation, and capital improvements planning.

5923. Organizational Theory and Behavior 3(3-0)

Analyzes the structure and character of public institutions and examines individual, group, and interpersonal behavior in organizations. Topics include information technology, conflict, designing effective organizations, leadership, and decision-making.

5933. Human Resource Management in Government 3(3-0)

Principles and problems of recruitment for government service, philosophies of pay and promotion, employee motivation, and discipline. Discussion of formulating and administering public personnel policies, concepts, and principles.

5943. Public Budgeting and Fiscal Administration 3(3-0)

Study of the process of developing a public budget both as an accounting device and for public policy planning. Particular attention given to the political aspects of budgeting and budgetary innovation. Consideration will be given to the formulation of national, state, and local budgets and their interrelationships.

5953. Public Law Administration 3(3-0)

An examination of the positive foundation on which agencies are grounded and from which basic authorities of public officers, both elected and appointed, are derived. The positive nexus of law and administration is emphasized.

5963. Capstone: Case Studies in Decision-Making 3(3-0)

Prerequisites: 18 hours of Public Administration.

Theories and principles of decision making in public administration. Students will

apply textbook knowledge to actual cases in public administration through written and oral analysis. Open only to MPA majors.

6003. Seminar in Public Policy and Management Issues 3(3-0)

Prerequisites: 15 hours of Public Administration or consent of instructor.

This is a special topics seminar. Reading and discussion of various issues in public policy and management will vary.

6033. Seminar in Administration of Justice 3(3-0)

Prerequisites: 15 hours of Public Administration or consent of instructor.

Reading and discussion of topics in the administration of justice. Topics vary.

6053. Seminar in Public Policy Analysis 3(3-0)

Prerequisites: 15 hours of Public Administration including PUAD 5023, or its equivalent, or consent of instructor.

The purpose of this course is to develop capacities to both conduct and utilize analyses of public policies as part of the decision making process. Both quantitative and non-quantitative skills are emphasized.

6093. Internship 3 semester hours

Prerequisites: 9 hours of Public Administration and consent of faculty adviser.

Application of textbook knowledge to real-world work experience in a public agency. Internships are arranged only for students without significant professional-level work experience. Open only to MPA majors.

6983, 6993. Thesis 6 semester hours

Prerequisites: Completion of 27 hours of graduate coursework in Public Administration and/or a related subject areas as approved by the student's adviser, and consent of the graduate coordinator.

(RADS) RADIOLOGIC SCIENCES

5003. Research Methods 3(3-0)

Prerequisites: RADS 5013 and an undergraduate statistics course.

Explores qualitative and quantitative methodologies and statistical analyses appropriate to the research process in the radiologic sciences. Provides opportunities for the critical analysis of published research and encourages development of a research plan.

5013. Contemporary Trends in Radiologic Science 3(3-0)

Explores current professional issues in radiologic science and health care delivery. Students will explore, analyze, and evaluate advances that impact all disciplines of radiologic science. Content includes such topics as health care reform, professional practice issues, educational standards and technological advances.

5023. Legal and Regulatory Considerations 3(3-0)

This course presents an overview of the legal issues, concepts, laws, and regulations facing the health care industry and higher education. Students will explore these in the context of the daily professional practice of radiology administrators and educators.

5033. Leadership for Change in Radiologic Science 3(3-0)

Application of theories and models of leadership and change to practice in the radiologic sciences. Students will explore, analyze, and evaluate contemporary and historical theories of leadership and change, and develop strategies for use in the professional practice of radiology administrators and educators in the rapidly changing health care delivery system.

5103. Management Techniques for Radiologic Administrators 3(3-0)

Prerequisites: RADS 5003, 5013, 5023, 5033 or consent of graduate coordinator.

An in-depth study of the administrative requirements for radiologic administrators within the health care environment. Emphasis will be placed on organizational behavior theory and practices as they pertain to personnel managements, staffing issues/strategies, performance appraisal, risk management, policies/procedures, time management, interview techniques/strategies, departmental scheduling, computer software applications, and the wellness paradigm.

5124. Financial Management in Radiologic Administration 4(4-0)

Prerequisite: RADS 5103 or consent of graduate coordinator.

Examination of fiscal management in health care organizations in relation to economic and societal trends. Emphasis will be placed on the use of fiscal information in decision-making, and the implications of financial management decisions on radiology services and health care delivery. Concepts of budgeting, marketing, cost analysis, cost finding, rate setting, and cost containment will be included. The impact of new technologies such as PACS will be explored.

5204. Curriculum Development in Radiologic Education 4(4-0)

Prerequisites: RADS 5003, 5013, 5023, 5033, or consent of graduate coordinator.

This course provides an in-depth study of radiologic sciences curriculum development, implementation, and evaluation. Institutional and professional requirements and constraints will be examined for their effect on the curriculum. Teaching methods for courses will be discussed for various curriculum structures and levels. Various curriculum design models as well as decision-making strategies will be included.

5223. Administration of Radiologic Education Programs 3(3-0)

Prerequisite: RADS 5204 or consent of graduate coordinator.

This course focuses on the planning, administration, and evaluation of radiologic education programs in the various disciplines. Includes recruitment and retention of students, accreditation issues, budgeting, facilities planning, personnel relations and evaluations, public relations, and educational policy formation.

5235. Administrative Radiology Practicum 5(1-4)

Prerequisites: RADS 5003, 5013, 5023, 5033, 5103, 5124.

Building on all knowledge and skills obtained throughout the program, students will both observe and apply concepts of management and administration in the clinical setting.

5245. Radiologic Education Practicum 5(1-4)

Prerequisites: RADS 5003, 5013, 5023, 5033, 5204, 5223.

The focus of this course is on the application of the knowledge and skills obtained throughout the program to planning, administration, and evaluation of a radiologic curriculum in an educational institution. Observation and active participation may include both the classroom and clinical setting.

5403. Information Management in Health Sciences 3(3-0)

An independent study course designed to develop the student's skill in health communications and information management. The course specifically addresses competency skills in computer knowledge, information management, and computer applications. It emphasizes an applied approach to experience with computers and information technologies, encouraging life-long learning skills in information management for the 21st century.

6003. Special Issues in Radiologic Administration 3(3-0)

Intensive study in a special area of Radiologic Administration. Course may be repeated for credit with varying content.

6113. Special Issues in Radiologic Education 3(3-0)

Intensive study in a special area of Radiologic Education. Course may be repeated for credit with varying content.

6223. Independent Study 3(3-0)

Designed to offer the advanced student an opportunity to select a special area of interest in Radiologic Science for intensive research. Approval by the graduate coordinator is required. May be repeated once for credit.

6883. Research Paper 3 semester hours

The student must register for RADS 6883 each semester until the research paper is completed.

6983, 6993. Thesis 6 semester hours**(READ) READING EDUCATION****5173. Fundamentals of Secondary Reading Instruction** 3(3-0)

Designed to provide knowledge concerning current research, theory, essential program components, and sound pedagogical strategies in secondary literacy employed in the education of general and special populations. Areas of consideration will include classroom assessment of literacy, study skills, and integrating trade books into the content classroom. Limited to graduate students seeking initial teacher certification.

5183. Foundations of Elementary Reading 3(3-0)

Current research, philosophical perspectives, essential program components, and pedagogical strategies in the teaching of reading to general and specific populations. Limited to graduate students seeking initial teacher certification.

5193. Reading and Language Arts 3(3-0)

Theoretical, research, and pedagogical considerations for the teaching of reading and language arts to general and special populations. Focus will be on integrating instruction in reading and language arts with social studies. Limited to graduate students seeking initial teacher certification.

6213. Foundations of Reading 3(3-0)

Historical, philosophical, physiological, and psychological foundations of reading.

6233. Seminar in Reading Instruction 3(3-0)

Topic as announced. Major project and/or field study with group sharing and analysis.

6243. Trends and Issues in Youth Literature 3(3-0)

Examines current trends and issues in the literature published for children and young adults.

6273. Diagnostic Reading Procedures 3(2-2)

Prerequisites: SPED 5013, 5813.

Study and use of standardized and informal instruments for determining kinds of reading difficulties. Demonstrated competencies in the use of the test instruments, interview procedures, and report writing.

6283. Practicum in Reading 3(2-2)

Prerequisites: SPED 5013, 5813, READ 6273.

Designed to provide clinical practice in the correction of reading disabilities in a supervised situation. Fieldwork required.

- 6293. Content Reading** 3(3-0)
Survey of current reading and writing development in content subjects.
- 6903. Problem Course in Reading** 3(3-0)
Prerequisite: Approval of graduate adviser is required.
Designed to offer the advanced student an opportunity to select a special area of interest in Reading Education for intensive research. May be repeated once for credit.
- 6953. Seminar in Reading** 3(3-0)
Topic as announced. Major project and/or field study with group sharing and analysis.

(SPED) SPECIAL EDUCATION

- 5013. Exceptional Individuals** 3(3-0)
Etiology, characteristics of and concepts related to exceptional individuals.
- 5613. Foundations of Special Education** 3(3-0)
Philosophical, historical, and legal foundations of special education. Introduction to roles and responsibilities of the special educator, and legal and ethical requirements of the profession. Theoretical perspectives related to the nature and needs of persons with disabilities; involvement in disability advocacy.
- 5813. Reading for Disabled Readers** 3(3-0)
Structured, sequential, multisensory reading instruction for students with reading disabilities; focus on students with dyslexia and other reading-related learning disabilities.
- 6013. Teaching Strategies for Affective Disorders** 3(3-0)
Strategies for changing behavior and teaching social skills curricula using data-based decision-making. Includes Functional Behavior Analysis, Behavior Intervention Plans, Positive Behavioral Supports, Choice Theory, the use of technology in improving students' behavior, and Nonviolent Crisis Intervention. Includes nature and needs of students with emotional/behavioral disorders, and legal issues related to the education of such students.
- 6033. Early Childhood Special Education** 3(3-0)
Strategies for promoting the development of infants and young children with disabilities, with a focus on language and motor development. Development of Individualized Family Service Plans.
- 6423. Inclusion** 3(3-0)
Modification of curriculum and instruction for students with disabilities who are included in general education classrooms; consultation and collaboration skills.
- 6613. Individualized Diagnostic Assessment I** 3 semester hours
Prerequisite: COUN 5253 or consent of instructor.
Demonstration of competency in administration, scoring and interpreting test instruments appropriate for students with different types of handicapping conditions. Development of test batteries for students at varying age levels.
- 6623. Individualized Diagnostic Assessment II** 3 semester hours
Prerequisite: SPED 6613 or consent of instructor.
Demonstration of competency in developing test batteries for students with different handicapping conditions, and in administering and interpreting the batteries. Development of an individual plan for each battery administered.

6633. Vocational, Motor Skills, and Assistive Technology Assessment 3 semester hours

Conducting vocational, motor skills, and assistive technology assessments.

6903. Problem Course in Special Education 3 semester hours

Prerequisite: Approval of graduate adviser is required.

Designed to offer the advanced student an opportunity to select a special area of interest in Special Education for intensive research. May be repeated once for credit.

6913. Special Education Law 3(3-0)

Federal and state regulations and case law related to special education; includes assessment-related law.

6943. Practicum in Special Education 3 semester hours

Prerequisites: 12 hours of special education and consent of instructor.

Field experience (90 hours) in one or more special educational settings.

6953. Seminar in Special Education 3 semester hours

Prerequisites: 18 graduate hours of special education or approval of coordinator.

Topic as announced; major project and/or field study with group sharing and analysis. May be repeated with consent of coordinator.

6963. Advanced Research and Practice in Special Education 3 semester hours

Prerequisites: 12 graduate hours of special education and consent of instructor.

Individualized study of the research in emotional/behavior disorders, mental retardation, or learning disabilities or in a low-incidence disability. Major project required. May be repeated for credit.





GRADUATE FACULTY

GRADUATE FACULTY

- ANDERSEN, PATRICIA, **Assistant Professor Counseling and Special Education**, 2003
B.A., University of Denver; M.S., Shippensburg State University; Ed.D., Rutgers University
- ARNOULT, SHARON L., **Assistant Professor of History**, 2000
B.A., M.A., Ph.D., University of Texas
- BAILEY, BAMBI, **Assistant Professor of Education and Reading**, 2001
B.S., University of Montevallo; M.S., University of Houston-Clear Lake; Ph.D., Miami University
- BAUER, KATHLEEN E., **Assistant Professor of Accounting**, 1981
B.S., Northwestern State University of Louisiana; M.A., University of Alabama; CPA, Louisiana and Texas, CSEP
- BHUYAN, RAFIQU, **Assistant Professor of Finance**, 2003
M.C., University of Dhaka-Bangladesh; M.S., University of Illinois at Urbana-Champaign; Ph.D., Concordia University
- BUGG, NADIA A., **Chair, Graduate Coordinator, and Professor of Radiologic Sciences**, 1994
B.S., University of Central Arkansas; M.A., Louisiana Tech University; Ph.D., Louisiana State University
- BULTENA, CHARLES D., **Chair and Associate Professor of Management and Marketing**, 1996
B.B.A., M.B.A., Midwestern State University; Ph.D., University of North Texas
- BURGER, MARTHA A., **Assistant Professor of Educational Leadership and Technology**, 2001
B.A., Trinity University; M.S., Ed.D., University of Oklahoma
- CAPPS, OSCAR EMERSON, **Dean of Graduate Studies and Associate Professor of Counseling and Special Education**, 1970
B.S.Ed., Northeastern State College; M.Ed., Ed.D., University of Arkansas
- CARLSTON, DAVID L., **Assistant Professor of Psychology**, 2004
B.S., Brigham Young University; M.S., Ph.D., Ohio University
- CARPENTER, STEWART B., **Graduate Coordinator and Professor of Computer Science**, 1978
B.A., M.C.S., Ph.D., Texas A&M University
- CATE, RODNEY L., **Chair and Professor of Chemistry**, 1978
B.S., Tarleton State University; Ph.D., Arizona State University
- COE, MARY ANN, **Professor of Educational Leadership and Technology and West Foundation University Professor of Education**, 1997
B.S., Holy Family College; M.Ed., Arcadia University; D.Ed., Pennsylvania State University
- COLLINS, MICHAEL L., **Professor of History**, 1985
B.A., M.A., Ph.D., Texas Christian University
- COOK, WILLIAM B., **Chair and Associate Professor of Biology**, 1991
B.S., University of Washington; M.S., Central Washington University; Ph.D., University of Missouri
- CUEVAS, JACQUELINE, **Associate Professor of Psychology**, 1984
B.A., Mundelein College; M.A., Ph.D., Southern Illinois University

- CURRY, DAPHNEY, **Instructor in Education and Reading**, 2003
B.S., M.E., Midwestern State University
- DAVIDS, MARK R., **Chair and Assistant Professor of Criminal Justice**, 2001
B.S., University of North Texas; M.A.J., Wichita State University; J.D., University of South Dakota
- DAVIS, LISA A., **Assistant Professor of Nursing**, 2001
A.D., Bacone College; B.A., University of Arkansas; M.P.H., M.S., University of Oklahoma; Ph.D., Texas Woman's University; RN
- DIEKHOFF, GEORGE M., **Chair, Graduate Coordinator, and Professor of Psychology**, 1977
B.A., Nebraska Wesleyan University; M.A., Ph.D., Texas Christian University
- DONOVAN, TIMOTHY P., **Professor of Computer Science**, 1987
B.S., Regis College; M.A., University of Oklahoma; M.S., Shippensburg University; Ph.D., Colorado University
- DOVER, ERNEST A., **Interim Chair, Graduate Coordinator, and Associate Professor of Political Science**, 1985
B.A., Winston-Salem State University; M.A., Ph.D., Kent State University
- DOWD, JOHN F., **Program Coordinator and Associate Professor of Educational Leadership and Technology**, 1989
B.S., LeMoyne College; M.S., Ed.D., Syracuse University
- DUAN, XIANSHEG JASON., **Assistant Professor of Management and Marketing**, 1999
B.S., Wuhan University; M.B.A., Ph.D., University of Illinois
- ESTRADA, ANITA (ANN), **Chair, Graduate Coordinator, and Associate Professor of Education and Reading**, 1979
B.S., Howard Payne College; M.Ed., Ph.D., University of North Texas
- FARRIS, MARK K., **Professor of Mathematics**, 1992
B.A., Ph.D., Rice University
- FASHIMPAR, GARY A., **Professor of Social Work**, 1979
B.A., University of North Texas; M.S.S.W., Ph.D., University of Texas-Arlington
- FIELDS, PETER J., **Assistant Professor of English**, 2002
B.A., M.A., Shippensburg University; Ph.D., University of Denver
- FLAVIN, MICHAEL J., **Associate Professor of Political Science**, 1969
B.S., M.A., St. Louis University; Ph.D., University of Arizona
- FOSNAUGH, LINDA S., **Associate Professor of Mathematics**, 1994
B.A., Centenary College of Louisiana; M.A., Ph.D., University of Nebraska
- FRIESEN, DANIEL D., **Assistant Professor of Management and Marketing**, 2000
B.S., M.B.A., McNeese State University; Ph.D., University of Texas-Arlington
- FRITZSCH, RALPH B., **Chair and Professor of Accounting**, 1984
B.S., United States Air Force Academy; M.A., Ohio State University; D.B.A., George Washington University; CPA, Arkansas
- FUKASAWA, YOSHIKAZU, **Professor of Economics**, 1978
B.A., Fort Hays Kansas State University; M.A., Ph.D., Kansas State University
- GALBRAITH, THOMAS W., **Chair and Associate Professor of English**, 1979
B.A., Ph.D., University of Washington

- GARRISON, DEBORAH, **Chair, Graduate Coordinator, and Associate Professor of the John and Nevils Wilson School of Nursing**, 2000
B.S., M.S., Ph.D., Texas Woman's University; RN
- GARRISON, STEVE R., **Assistant Professor of Political Science**, 2002
B.A., M.A., Ph.D., University of Kansas
- GLEAN, RANDY A., **Assistant Professor of Political Science**, 1997
B.A., Midwestern State University; M.A., Ph.D., Washington University
- GORE, M. C., **Program Coordinator and Associate Professor of Counseling and Special Education**, 1993
B.S.Ed., M.S.Ed., Eastern New Mexico University; Ed.D., University of Arkansas
- GUTHRIE, PAUL C., **Associate Professor of Psychology**, 1991
B.A., University of Texas-Dallas; M.A., Midwestern State University; Ph.D., University of Arkansas
- HAFF, G. GREGORY, **Chair, Graduate Coordinator, and Assistant Professor of Kinesiology**, 2002
B.S., East Stroudsburg University; M.S., Appalachian State University; Ph.D., University of Kansas
- HALVERSON, RANETTE, **Chair and Professor of Computer Science**, 1980
B.S., M.S., Midwestern State University; Ph.D., University of North Texas
- HANSEN, CHRISTOPHER A., **Assistant Professor of Chemistry**, 2000
B.S., Midwestern State University; M.S., Ph.D., Washington State University
- HARMEL, ROBERT M., JR., **Professor of Economics**, 1970-79; 1989
B.S., Texas Tech University; M.S., Ph.D., Iowa State University
- HARTZLER, STANLEY J., **Associate Professor of Education and Reading**, 2001
B.S., Western Illinois University; Ph.D., University of Texas
- HARVEY, MARTHA M., **Associate Dean of the College of Business Administration and Professor of Business Administration**, 1982
B.A., Sweet Briar College; M.S., Midwestern State University; Ph.D., University of North Texas
- HENDRICKSON, KENNETH E., JR., **Chair, Graduate Coordinator, and Professor of History - Hardin Foundation Distinguished Professor of American History**, 1970
B.A., M.A., State University of South Dakota; Ph.D., University of Oklahoma
- HEWITT, HARRY P., **Professor of History**, 1967
B.S., M.A., Ph.D., University of Utah
- HINDS, WILLIAM E., **Professor of Mathematics**, 1975
B.A., University of Texas-Austin; M.A., University of Texas-Arlington; Ph.D., Oklahoma State University
- HOFFMAN, THOMAS P., **Associate Professor of English**, 1968
B.S.Ed., M.A., Ball State University; Ph.D., University of Oklahoma
- HOGGARD, JAMES M., **Perkins-Prothro Distinguished Professor of English**, 1966
B.A., Southern Methodist University; M.A., University of Kansas
- HOGGARD, LYNN, **Professor of English and Foreign Languages**, 1986
B.A., Centenary College; M.A., University of Michigan; Ph.D., University of Southern California

- HORNER, NORMAN V., **Dean of the College of Science and Mathematics and Professor of Biology**, 1967
B.S., M.S., University of North Texas; Ph.D., Oklahoma State University
- JOHNSON, ROBERT L. III, **Graduate Coordinator and Professor of English**, 1992
B.A., M.A., University of Colorado; Ph.D., University of Denver
- JOHNSTON, CHARLES R., **Assistant Professor of Business Computer Information Systems**, 2002
B.S., M.B.A., University of Missouri; Ph.D., University of Texas-Arlington
- KACIUBA, GAIL, **Associate Professor of Accounting**, 2003
B.A., Michigan State University; M.B.A., University of Illinois-Chicago; Ph.D., Northwestern University
- KALLAM, MICHAEL L., **Professor of Counseling and Special Education**, 2002
B.S., M.A., University of Tulsa; Ph.D., Oklahoma State University
- KILGORE, J. LON, **Associate Professor of Kinesiology**, 1997
B.S., Lincoln University; M.S., Ph.D., Kansas State University
- KILLION, JEFFREY B., **Assistant Professor of Radiologic Sciences**, 1999
B.S., M.S.R.S., Midwestern State University
- KIM, CHON-KYUN, **Assistant Professor of Public Administration**, 2002
B.A., Kyunghee University; M.A., Korea University; Ph.D., State University of New York-Binghamton
- KINDIG, EVERETT W., **Associate Professor of History**, 1971
B.A., M.A., Ph.D., Stanford University
- KING, JAMES R., **Associate Professor of History**, 1968
B.A., Loras College; M.A., Ph.D., University of Iowa
- KITCHEN, MICHAELLE L., **Chair, Graduate Coordinator, and Associate Professor of Counseling and Special Education**, 1996
B.S.O.E., Wayland Baptist University; M.Ed., University of Oklahoma; Ph.D., University of North Texas
- KLUTZ, DIANE, **Family Nurse Practitioner Program Coordinator and Assistant Professor of Nursing**, 2003
B.S., M.S., Texas Woman's University
- LAND, MICHAEL L., **Chair, Graduate Coordinator, and Professor of Educational Leadership and Technology**, 1989
B.A., Hardin-Simmons University; M.Ed., Stephen F. Austin State University; Ph.D., Texas A&M University
- LINDEMANN, DIRK, **Associate Professor of History**, 1983
B.A., University of Evansville; M.A., Ph.D., Ball State University
- LOCKHART, ROBIN D., **Assistant Professor of Nursing**, 1993
A.D.N., B.S.N., Midwestern State University; M.S.N., University of Texas-Arlington; RN
- MACDONALD, STUART T., **Chair of Economics and Finance and Assistant Professor of Economics**, 2000
B.A., M.S., Ph.D., University of Texas-Dallas; J.D., Oklahoma City University
- MARTIN, JAMES DAVID, **Director of Applied Arts and Sciences and Professor of Political Science**, 1970
B.A., Tarkio College; M.A., Ph.D., Southern Illinois University

- MARTINEZ, JOHN E., **Professor of Economics and Finance**, 1997
B.A., University of Texas-Austin; M.S., Ph.D., University of Oklahoma
- MENARD, TRACY, **Program Coordinator and Associate Professor of Counseling and Special Education**, 1992
B.S., University of Colorado; M.Ed., Midwestern State University; Ed.D., University of Northern Colorado
- MITCHELL, PATRICK S., **Chair and Associate Professor of Mathematics**, 2000
B.S., Phillips University; M.S., Ph.D., Kansas State University
- MORAN, NATHAN R., **Assistant Professor of Criminal Justice**, 2002
B.S., Midwestern State University; M.A., Ph.D., Sam Houston State University
- MORGAN, DEBRA A., **Assistant Professor of Nursing**, 2002
A.S.N., Midwestern State University; B.S.N., Texas Tech University Health Sciences Center; M.S.N., West Texas A&M University; Ed.D., Baylor University; RN
- MORRISON, GARY D., **Associate Professor of Radiologic Sciences**, 1988
A.A., Montgomery College; B.S.R.T., Hood College; M.Ed., University of North Texas
- MULLEN, GAYLE E., **Assistant Professor of Educational Psychology**, 2004
B.S., M.Ed., Ed.D., Texas Tech University
- OLSON, CHARLES J., **Associate Director of Applied Arts and Sciences and Assistant Professor of English**, 2001
B.A., M.A., Midwestern State University; Ph.D., University of New Mexico
- PASSOS, NELSON L., **Associate Professor of Computer Science**, 1996
B.S., University of San Paulo (Brazil); M.S., University of North Dakota; Ph.D., University of Notre Dame
- PATIN, ROY P., JR., **Graduate Coordinator and Bridwell Professor of Finance**, 1992
B.S., M.B.A., Louisiana State University; D.B.A., Mississippi State University
- PATTERSON, MIKE C., **Professor of Management**, 1977
B.B.A., M.B.A., Midwestern State University; Ph.D., University of North Texas
- PORTER, RUSSELL D., **Chair, Graduate Coordinator, and Associate Professor of Health and Public Administration**, 1998
B.A., State University of New York-Binghamton; M.P.S., Lynn University; Ph.D., Medical College of Virginia - Virginia Commonwealth University
- PRED, MICHAEL A., **Professor of Political Science**, 1976
B.A., Wayne State University; M.A., Texas A & M University-Commerce; Ph.D., University of Oklahoma
- PRUITT, ALICIA C., **Assistant Professor of Nursing**, 2001
B.S.N., Midwestern State University; M.S.N., University of Texas-Arlington; RN, FNPC
- RAMSER, CHARLES, **Professor of Management and Marketing**, 1969
B.B.A., University of Texas-Arlington; M.B.A., University of Texas-Austin; Ph.D., University of North Texas
- REDMON, ROBERT J., **Program Coordinator and Assistant Professor of Education and Reading**, 2001
B.A., Central State College; M.S., Ed.D., Oklahoma State University

- RINCON-ZACHARY, E. MAGALY, **Graduate Coordinator and Associate Professor of Biology**, 1992
B.S., Pedagogic of Caracas, Venezuela; M.S., Ph.D., University of Illinois at Urbana-Champaign
- ROBERTS, ROE A., **MPA Graduate Coordinator and Associate Professor of Health and Public Administration**, 2002
L.P.N., Columbus School of Practical Nursing; B.H.S.A., M.P.H., Ph.D., Florida International University
- ROBINSON, KIM, **Assistant Professor of Nursing**, 2003
B.S., University of Texas Nursing School; M.S., University of Houston-Clear Lake; Ph.D., University of Houston; RN
- ROGERS, KAREN K., **Associate Professor of English**, 1980
B.S.E., M.E., M.A., Midwestern State University; Ph.D., University of Texas-Dallas
- SCHMITTER, JOEL S., **Associate Professor of Mathematics**, 1993
B.A., M.S., Ph.D., University of Wisconsin
- SHAO, CHRIS Y., **Assistant Professor Marketing**, 2002
B.A. Chinese Culture University-Taiwan; M.B.A., Pittsburg State University; Ph.D., University of Texas-Arlington
- SHIPLEY, MICHAEL M., **Assistant Professor of Biology**, 2000
B.S., M.S., Midwestern State University; Ph.D., Oklahoma State University
- SIMPSON, GRANT W., JR., **Dean of the Gordon T. and Ellen West College of Education and Professor of Educational Leadership and Technology**, 2000
B.S., Trinity College; M.A., University of Texas; Ph.D., Texas A&M University
- SIMPSON, RICHARD P., **Assistant Professor of Computer Science**, 1980
B.S., M.A., Sam Houston State University
- SLAVENS, DAWN RENEE, **Assistant Professor of Mathematics**, 1999
B.S., Emporia State University; M.S., Stephen F. Austin State University; Ph.D., University of North Texas
- SMITH, ANN., L., **Program Coordinator of Nursing Education and Associate Professor of Nursing**, 1995
B.S.N., M.S.N., University of Hawaii-Manoa; Ph.D., Texas Woman's University; RN, CPNP
- SMITH, EVANS LANSING, **Professor of English**, 1990
B.A., Williams College; M.A., Antioch International; Ph.D., Claremont Graduate School
- SPORTSMAN, SUSAN S., **Dean of the College of Health Sciences and Human Services, Program Coordinator of Nurse Administration, and Professor of Nursing**, 1996
B.S.N., Baylor University; M.S.N., University of Texas-Arlington; M.S., Ph.D., Texas Woman's University; RN
- STANGE, TERRENCE V., **Associate Professor of Education and Reading**, 2000
B.S., M.S., Northern State University; Ph.D., University of Oklahoma
- STANGL, FREDERICK B., JR., **Professor of Biology**, 1984
B.S., M.S., Midwestern State University; Ph.D., Texas Tech University
- STEPHENS, PAMELA B., **Assistant Professor of Biology**, 2002
B.S., M.S., Midwestern State University; Ph.D., University of Texas-Dallas

- STEWART, ALFRED D., JR., **Associate Professor of English and Philosophy**, 1973
B.A., M.A., M.A., University of Oklahoma; Ph.D., University of North Carolina
- STILES, BEVERLY L., **Assistant Professor of Sociology**, 1999
B.A., Midwestern State University; M.A., Baylor University; Ph.D., Texas A&M University
- STRINGFELLOW, CATHERINE V., **Associate Professor of Computer Science**, 2002
B.A., New Mexico Highlands University; B.S., Cameron University; M.S., Ohio State University; Ph.D., Colorado State University
- TAYLOR, ARVILLA K., **Associate Professor of English**, 1969
B.A., M.A., Ph.D., University of Texas-Austin
- TILKER, KRISTOPHER R., **Professor of Business Administration**, 1989
B.A., Midwestern State University; J.D., Texas Tech University
- TUCKER, DAVID S., **Professor of Mathematics**, 1988
A.B., Kansas State University; M.S., Michigan State University; Ph.D., Florida State University
- VANDEHEY, MICHAEL A., **Assistant Professor of Psychology**, 1999
B.A., University of Oregon; M.S., Ph.D., Indiana State University
- WALKER, DEBRA G., **Assistant Professor of Nursing**, 2001
B.S.N., Midwestern State University; M.S.N., University of Texas-Arlington; RN, FNPC
- WATSON, SAMUEL E., III, **Dean of the College of Liberal Arts and Professor of Political Science**, 1992
A.B., University of Georgia; M.A.L.D., Fletcher School of Law and Diplomacy; Ph.D., University of Georgia
- WIERSCHEM, DAVID, **Assistant Professor of Business Computer Information Systems**, 2003
B.S., Texas A&M University; M.B.A., Georgia State University; M.S., Ph.D., University of Texas-Dallas
- WIGGINS, LARRY W., **Instructor in Kinesiology and Tennis Coach**, 1997
B.A., Tarleton State University; M.A., University of New Mexico
- WILLIAMS, DAVID L., **Assistant Professor of Economics and Finance**, 1999
B.B.A., McMurry University; M.A., Texas Tech University; D.B.A., Louisiana Tech University
- WILSON, PHILLIP H., **Assistant Professor of Management and Marketing**, 2003
B.B.A., Texas Tech University; M.B.A., Ph.D., University of North Texas
- WOOD, JULIE, **Assistant Professor of Kinesiology**, 2003
B.A., University of Northern Iowa; M.A., Sam Houston State University; Ph.D., Southern Illinois University at Carbondale
- WRIGHT, DONNA L., **Associate Professor of Radiologic Sciences**, 2000
B.S., University of North Carolina; M.S., Ed.D., North Carolina State University

EMERITI GRADUATE FACULTY

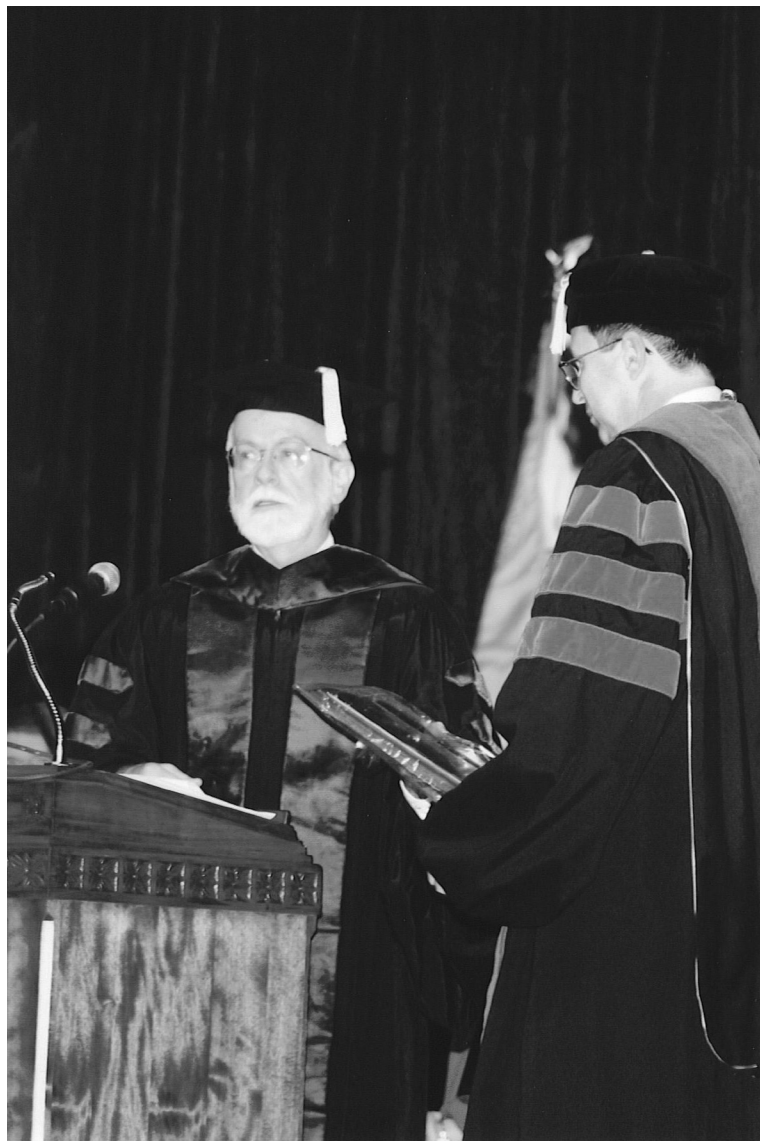
- BACKHAUS, FRED J., L.L.B., L.L.D., **Associate Professor of Political Science**, 1967-1992.
- BROWN, HARRY M., Th.B., B.A., M.A., **Ph.D., Professor of English**, 1966-1994.

- CAMPBELL, JEFFERSON H., B.A., B.D., Ph.D., **Graduate Coordinator and Professor of English**, 1974-1999.
- CARPENTER, EMILY, B.A., M.A., Ph.D., **Associate Professor of English**, 1967-2002.
- DARTER, CLARENCE L., JR., B.S., M.Ed., Ed.D., **Coordinator of Physical Education and Professor of Education**, 1966-1997.
- DICKERSON, ELBERT L., B.A., M.Ed., Ed.D., **Professor of Education and Dean of Graduate Studies**, 1958-1983.
- DUDLEY, PATRICK H., B.S., M.Ed., Ph.D., **Associate Professor of Kinesiology**, 1969-2001.
- FURR, ONETA ROBERTS, B.S., M.S., Ed.D., **Professor of Education**, 1950-1979.
- GILLESPIE, SHERRY, B.S., M.S., Ph.D., **Associate Professor of Physical Education**, 1967-1997.
- GRANT, ROBERT J., B.S., M.P.A., D.P.A., **Coordinator and Redwine Professor of Criminal Justice**, 1975-2000.
- GRIMES, JOHN V., **Professor of Biology**, 1970-2003.
- HARRIS, CAROLYN R., B.A., M.S., Ph.D., **Chair and Professor of Business Computer Information Systems**, 1993-2003.
- HARRIS, WILLIAM T., B.B.A., M.B.A., Ph.D., **Bridwell Professor of Accounting**, 1993-2003.
- HENDERSON, JOE M. B.S.Ed., M.Ed., Ed.D., **Professor of Kinesiology**, 1965-2003.
- HILL, THOMAS BARLOW, B.S., M.Ed., Ed.D., **Professor and Director of the Division of Education**, 1964-1988.
- HUFFMAN, LOUIE C., B.S., M.Ed., M.A., Ph.D., **Professor of Mathematics**, 1955-1990.
- KRIENKE, ALBERT B., B.S., M.S., Ph.D., **Professor of Economics**, 1965-2001.
- MADERA, ROBERT, B.S., B.A., M.A., D.B.A., **Professor of Accounting**, 1951-1988.
- McCULLOUGH, CHARLES D., **Professor of Marketing**, 1985-2003.
- MEUX, JOHN W., B.S., M.S., Ph.D., **Professor of Mathematics**, 1964-1993.
- MERTENS, MARILYN S., B.A., M.A., Ph.D., **Associate Professor of Political Science and Public Administration**, 1990-2001.
- NEWTON, H. GENE, B.A., M.Ed., Ed.D., **Program Coordinator and Professor of Education and Reading**, 1969-2004.
- RODRIGUEZ, LOUIS J., B.A., M.A., Ph.D., **Professor of Economics**, 1981
- ROUNTREE, DANIEL W., B.A., M.A., Ph.D., **Professor of Marketing**, 1990-1997.
- SABOTA, LEO M., B.A., M.A., Ph.D., **Professor of Political Science**, 1969-1990.
- SMITH, LEE A., B.S., M.Ed., Ed.D., **Professor of Education**, 1965-1988.
- STOCKTON, GERALD, E., B.S., M.S., Ph.D., **Associate Professor of Physical Education and Head Men's Basketball Coach**, 1970-1994.

TICKLE, EUGENIA, B.S.N., M.S.N., Ed.D., RN, **Associate Professor of Nursing**, 1989-2002.

VAN GEEM, HENRY, **Associate Professor of Finance**, 1964-2003

WHITLOCK, BAIRD W., B.A., Ph.D., D.Litt., **Professor of English**, 1978-1989.



**Fall 2003
Faculty Award Recipient
Dr. Nelson Passos**



INDEX

Index
Map
Application Request Form

INDEX

-A-

Abstract, 23
 Academic Calendar, 4
 Academic Responsibility, 25
 Accreditation and Membership, 12
 Administration, 9
 Admission Information, 17
 Admission to Candidacy, 22
 Advisory Committee, 22
 Alumni Association, 15
 Anti-Discrimination Statement, 15
 Applicability of Catalog Regulations, 24
 Application for Graduation, 24
 Application Request Form, 195
 Assistantships, 29
 Audit of Courses, 34
 Automobile Registration, 36
 Auxiliary Programs, 72
 Bureau of Business and
 Government Research, 72
 Mamie Raborn Center for
 Economic Education, 72
 MSU Small Business Development
 Center, 72

-B-

Biology, 129
 Board of Regents, 8
 Bridwell Professorship of Finance, 73
 Bureau of Business and Government
 Research, 72
 Business Administration, 60

-C-

Calendar, Academic, 4
 Campus Wide I.D. (CWID), 29
 Candidacy, Admission to, 22
 Career Management Center,
 Office of, 48
 Change of Address, 29
 Change of Schedule, 27
 Clark Student Center, 53
 Clery Act, 15
 Commencement Attendance, 24
 Comprehensive Examination, 24
 Computer Science, 131
 Concurrent Enrollment, 39
 Counseling Center, 54
 Counseling Program, 77
 General, 79
 Human Resource Development, 79

School, 78
 Training and Development, 80
 Course Changes, 27
 Descriptions, 136
 Fees, 34
 Load, 26
 Numbers, 27
 Requirements, 20
 Courses Exclusive to Graduate
 Studies, 21
 Credits, Transfer, 26
 Criterion Analytical Writing Test, 35
 Cultural Opportunities, 14
 Curriculum and Instruction, 81

-D-

Dean of Students, 53
 Degrees, General Information, 17
 Plan, 20
 Master of
 Arts, 79, 80, 113, 119, 122, 124
 Business Administration, 60, 89
 Education, 78, 81, 84, 85, 86
 Health Administration, 66, 89, 102, 107
 Public Administration, 89, 105
 Science, 129, 131
 Science in Kinesiology, 93
 Science in Nursing, 89, 96
 Science in Radiologic
 Sciences, 108
 Deposit, Room, 37
 Disabled, Services for, 54
 Dormitory Information, 37
 Dropping a Course, 27
 Dual-listed Courses, 21

-E-

Education, 74
 Curriculum and Instruction, 81
 Educational Leadership, 84
 Reading Education, 85
 Special Education, 86
 Teacher Certification, 82
 Educational Leadership, 84
 Emeriti Graduate Faculty, 186
 Endorsements (Education), 83
 English as Second Language, 83
 Gifted and Talented, 83
 Information Processing
 Technology, 83
 Master Mathematics Teacher, 83

English, 113
 Estimate of Annual Cost, 32
 Examination
 Comprehensive, 24
 Graduate Record, 17, 35
 Exemptions from Registration Fees, 38
 Expenses, 32

-F-

Faculty, Graduate, 180
 Family Educational Rights & Privacy Act, 49
 Family Nurse Practitioner, 102
 Fees, 32
 Graduation, 35
 Room and Board, 37
 Testing, 35
 Financial Aid, 40
 Financial Information, 32
 Foreign Language Requirement, 22
 Foreign Language Reading Exam, 22

-G-

General Information, 17
 Grading System, 28
 Graduate Advisory Committee, 22
 Graduate Administrative Assistants, 29
 Graduate Assistantships, 29
 Graduate Credit for 3000-4000 Level Courses, 21
 Graduate Degrees, 16
 Graduate Faculty, 180
 Requirements, 16
 Graduate Management Admission Test, 17, 35
 Graduate Record Examination, 17, 35
 Graduate Work Taken as an Undergraduate, 29
 Graduation, 24
 Graduation Fee, 35
 Grants, 45

-H-

Hardin Foundation Distinguished Professor of American History, 121
 Hazlewood Act, 38
 Health Data Report, 18, 56
 Health Service, 56
 Health Services Administration, 66, 89, 102
 History, 119
 History, University, 12
 Honor Creed, 51
 Housing, 19
 Human Dignity Statement, 52

-I-

Incidental Fees, 36
 Incomplete grade, 28
 Instructor Drop, 28
 Intensive English Language Institute, 14
 International Students, 19

-K-

Kinesiology, 93

-L-

Library, Moffett, 13
 Load, Student, 26
 Loans, 45
 Local Tuition, 35

-M-

Mamie Raborn Center for Economic Education, 72
 Map of University, 193
 Master's Degrees, See Degrees
 Second Master's Degree, 26
 Mathematics, 133
 Medical Examination, 18, 56
 Meals, 37, 56
 Miller Analogies Test, 17, 35
 Mission, 12
 Moffett Library, 13

-N-

Non-Resident Status, 47
 Non-Thesis Program, 20, 23
 Nurse Educator, 101
 Nursing, 96

-O-

Objectives, University, 12
 Officers of University, 8
 Oral Comprehensive Examination, 24

-P-

Parking Permit, 36
 Payment Schedule, 32
 Perkins-Prothro Distinguished Professor of English, 118
 Philosophy/Objectives, University, 12
 Physical Education (see Kinesiology)
 Placement Service, 48
 Political Science, 122
 Post-Baccalaureate, 18
 Privacy Act, 49
 Problem Courses, 21
 Programs, 59
 Biology, 129

Business Administration, 60
 Computer Science, 131
 Counseling, 77
 Education, 74
 English, 113
 Health Services Administration, 89
 History, 119
 Kinesiology, 93
 Mathematics, 133
 Nursing, 96
 Political Science, 122
 Psychology, 124
 Public Administration, 105
 Radiologic Sciences, 108
 Psychology, 124
 Public Administration, 105
 Public Information and Marketing,
 Office of, 15
 Publications, 55

-R-

Radiologic Administration, 111
 Radiologic Education, 111
 Reading Education, 85
 Reading Knowledge Exam (of a Foreign
 Language), 22
 Refund Schedule, 37
 Registration Fees, 33
 Reports, Grade, 28
 Research Assistants, 29
 Research Paper Requirement, 23
 Residence Requirement, 26
 Resident Status, 47
 Room and Board, 37

-S-

Schedule Change, 27
 Scholarships, 40, 46
 Second Master's Degree, 26
 Small Business Development Center, 72
 Special Education, 86
 Student
 Activities, 54
 Center Fee, 35
 Class Load, 26
 Development, 55

Employment, 46
 Honor Creed, 51
 Housing, 55
 Insurance, 57
 Property Deposit, 36
 Responsibility, 25
 Right to Know and Campus Security
 Act (Clery Act), 15
 Rights, 52
 Service Fee, 35
 Student Affairs, 51

-T-

Teacher Certification, 74
 Teaching Assistants, 29
 Teaching Assistantships, 29
 Test of English as a Foreign Language
 (TOEFL), 19
 Testing Services, 48
 Thesis Program, 20, 23
 Time Limit, 25
 Training and Development, 80
 Transfer Credit, 26
 Tuition, See Registration Fees, 33

-U-

Undergraduate Courses for Graduate
 Credit, 21
 University
 History, 12
 Housing and Residence Life, 19
 Information, 12
 Map, 193
 Mission, 12

-V-

Veterans Affairs, 47
 Vinson Health Center, 56
 Vocational Rehabilitation, 54

-W-

WebWorld, 29
 West Foundation Professorship of
 Education, 88
 Withdrawal from University, 27
 Written Comprehensive Examination, 24

MIDWESTERN STATE UNIVERSITY

ALPHABETICAL ORDER

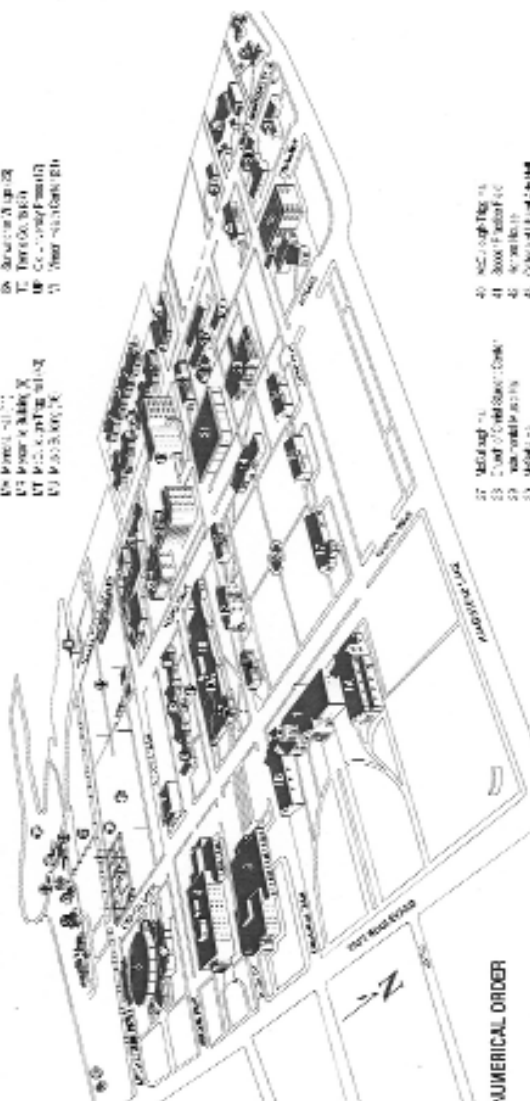
14. Administration Bldg.
 15. Art Building
 16. Business Administration Bldg.
 17. Chemistry Bldg.
 18. Civil Engineering Bldg.
 19. Electrical Engineering Bldg.
 20. Mechanical Engineering Bldg.
 21. Physics Bldg.
 22. Social Sciences Bldg.
 23. Veterinary Bldg.
 24. Zoology Bldg.

25. Biology Bldg.
 26. Botany Bldg.
 27. Entomology Bldg.
 28. Forestry Bldg.
 29. Geology Bldg.
 30. History Bldg.
 31. Law Bldg.
 32. Library Bldg.
 33. Music Bldg.
 34. Nursing Bldg.
 35. Pharmacy Bldg.
 36. Public Health Bldg.
 37. Radiation Physics Bldg.
 38. Speech Pathology Bldg.
 39. Theater Bldg.
 40. Visual Arts Bldg.
 41. Writing Bldg.

42. Criminal Justice Bldg.
 43. Engineering Bldg.
 44. Health Services Bldg.
 45. Industrial Engineering Bldg.
 46. Information Systems Bldg.
 47. Journalism Bldg.
 48. Law Center Bldg.
 49. Library Bldg.
 50. Music Bldg.
 51. Nursing Bldg.
 52. Pharmacy Bldg.
 53. Public Health Bldg.
 54. Radiation Physics Bldg.
 55. Speech Pathology Bldg.
 56. Theater Bldg.
 57. Visual Arts Bldg.
 58. Writing Bldg.

59. Criminal Justice Bldg.
 60. Engineering Bldg.
 61. Health Services Bldg.
 62. Industrial Engineering Bldg.
 63. Information Systems Bldg.
 64. Journalism Bldg.
 65. Law Center Bldg.
 66. Library Bldg.
 67. Music Bldg.
 68. Nursing Bldg.
 69. Pharmacy Bldg.
 70. Public Health Bldg.
 71. Radiation Physics Bldg.
 72. Speech Pathology Bldg.
 73. Theater Bldg.
 74. Visual Arts Bldg.
 75. Writing Bldg.

76. Criminal Justice Bldg.
 77. Engineering Bldg.
 78. Health Services Bldg.
 79. Industrial Engineering Bldg.
 80. Information Systems Bldg.
 81. Journalism Bldg.
 82. Law Center Bldg.
 83. Library Bldg.
 84. Music Bldg.
 85. Nursing Bldg.
 86. Pharmacy Bldg.
 87. Public Health Bldg.
 88. Radiation Physics Bldg.
 89. Speech Pathology Bldg.
 90. Theater Bldg.
 91. Visual Arts Bldg.
 92. Writing Bldg.



NUMERICAL ORDER

1. Administration Bldg.
 2. Art Building
 3. Business Administration Bldg.
 4. Chemistry Bldg.
 5. Civil Engineering Bldg.
 6. Electrical Engineering Bldg.
 7. Mechanical Engineering Bldg.
 8. Physics Bldg.
 9. Social Sciences Bldg.
 10. Veterinary Bldg.
 11. Zoology Bldg.

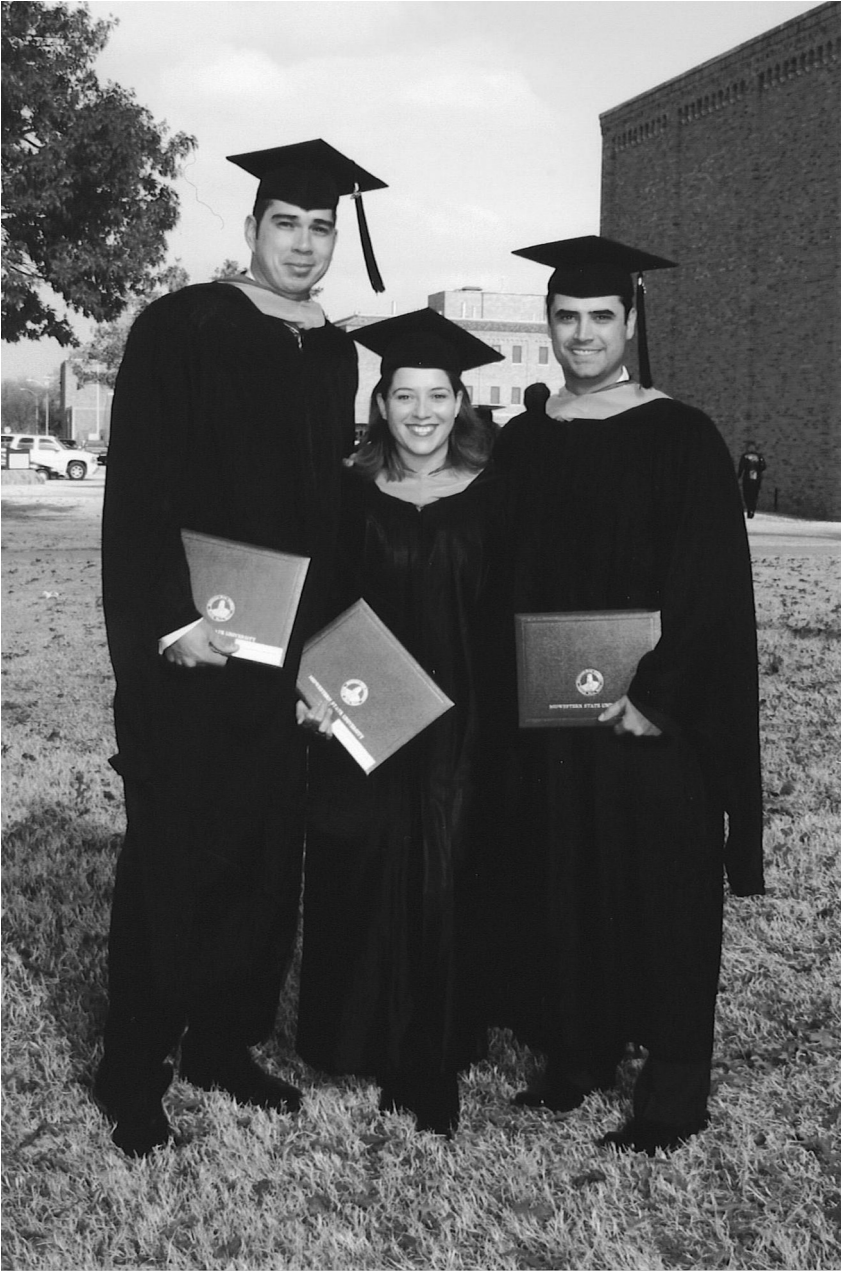
12. Biology Bldg.
 13. Botany Bldg.
 14. Entomology Bldg.
 15. Forestry Bldg.
 16. Geology Bldg.
 17. History Bldg.
 18. Law Bldg.
 19. Library Bldg.
 20. Music Bldg.
 21. Nursing Bldg.
 22. Pharmacy Bldg.
 23. Public Health Bldg.
 24. Radiation Physics Bldg.
 25. Speech Pathology Bldg.
 26. Theater Bldg.
 27. Visual Arts Bldg.
 28. Writing Bldg.

29. Criminal Justice Bldg.
 30. Engineering Bldg.
 31. Health Services Bldg.
 32. Industrial Engineering Bldg.
 33. Information Systems Bldg.
 34. Journalism Bldg.
 35. Law Center Bldg.
 36. Library Bldg.
 37. Music Bldg.
 38. Nursing Bldg.
 39. Pharmacy Bldg.
 40. Public Health Bldg.
 41. Radiation Physics Bldg.
 42. Speech Pathology Bldg.
 43. Theater Bldg.
 44. Visual Arts Bldg.
 45. Writing Bldg.

46. Criminal Justice Bldg.
 47. Engineering Bldg.
 48. Health Services Bldg.
 49. Industrial Engineering Bldg.
 50. Information Systems Bldg.
 51. Journalism Bldg.
 52. Law Center Bldg.
 53. Library Bldg.
 54. Music Bldg.
 55. Nursing Bldg.
 56. Pharmacy Bldg.
 57. Public Health Bldg.
 58. Radiation Physics Bldg.
 59. Speech Pathology Bldg.
 60. Theater Bldg.
 61. Visual Arts Bldg.
 62. Writing Bldg.

63. Criminal Justice Bldg.
 64. Engineering Bldg.
 65. Health Services Bldg.
 66. Industrial Engineering Bldg.
 67. Information Systems Bldg.
 68. Journalism Bldg.
 69. Law Center Bldg.
 70. Library Bldg.
 71. Music Bldg.
 72. Nursing Bldg.
 73. Pharmacy Bldg.
 74. Public Health Bldg.
 75. Radiation Physics Bldg.
 76. Speech Pathology Bldg.
 77. Theater Bldg.
 78. Visual Arts Bldg.
 79. Writing Bldg.

80. Criminal Justice Bldg.
 81. Engineering Bldg.
 82. Health Services Bldg.
 83. Industrial Engineering Bldg.
 84. Information Systems Bldg.
 85. Journalism Bldg.
 86. Law Center Bldg.
 87. Library Bldg.
 88. Music Bldg.
 89. Nursing Bldg.
 90. Pharmacy Bldg.
 91. Public Health Bldg.
 92. Radiation Physics Bldg.
 93. Speech Pathology Bldg.
 94. Theater Bldg.
 95. Visual Arts Bldg.
 96. Writing Bldg.



M I D W E S T E R N S T A T E U N I V E R S I T Y

REQUEST FORM FOR GRADUATE ADMISSION

Since a campus visit is usually beneficial for the applicant, local and area residents are encouraged to confer with MSU Admissions in lieu of submitting this form.

Please complete the form below and send to MSU Admissions, Midwestern State University, 3410 Taft Boulevard, Wichita Falls, Texas 76308-2099. Telephone 940-397-4334 or 800-842-1922. Internet users can contact us at <http://www.mwsu.edu>.

Name _____ S.S.# _____

Address _____

I would like to enroll at Midwestern State University in the following classification:

Graduate (degree seeking) _____ List degree(s) held _____

Indicate planned major field of study: _____

Post-Baccalaureate (non-degree seeking) _____

Teacher Certification (non-degree seeking) _____

Anticipated date of enrollment: Fall___ Spring___ Summer___

I would like to receive a schedule of classes for the _____ semester.

I would like to receive an application for the _____ semester.

Applications mailed from MSU Admissions are applications for admission to the university. The printed application deadlines are listed in the academic calendar. Certain graduate programs may have separate applications and deadlines. It is to the prospective student's advantage to notify the individual program.

NOTES