

COURSE DESCRIPTIONS

Anthropology

ANTH (RP/MUSM) 5403 Interpretation/Education through Museum Methods

Prerequisites: Senior or Graduate standing, or permission of instructor. Museum perspectives and approaches to care and interpretation of cultural resources, including interpretive techniques of exhibit and education-outreach materials, and integrating museum interpretation/education into public school and general public programming. Class projects focus on special problems for managing interpretive materials in a museum setting. Graduate level projects or papers involve carrying out research relevant to the Museum's mission and relating to current Museum goals.

ANTH 6881-3 Workshop

Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

ANTH 6891-4 Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Art

ART 6133 Contemporary Art Issues

An examination of topics and concerns relating to the art of our time. Discussions will be based on such topics as: art's place in today's culture, the changing art market, the role of the artist, the semantics of art, the role of art museums and galleries, new concepts in materials utilization, legal issues regarding artworks, the autonomy of art, and issues of ownership. Special emphasis is placed on the failure of Modernism and the promise of Post-Modern Art.

ART (JOUR) 6163 Survey of 20th Century Photography

An investigation of the development of photography as a fine art or commercial art form or as a medium for social documentary. Fine art photography is emphasized with the work of significant advertising, commercial, and documentary photographers also included.

ART 6891-4 Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Biology

BIOL (PHSC) 5003 History and Philosophy of Science

A course in the historical development and philosophical basis of modern science. May not be taken for credit after completion of BIOL (PHSC) 4003 or equivalent.

BIOL 6014 Concepts of Biological Science

The general concepts, theories, and laws which are fundamental to a synthesis of modern biological knowledge. Emphasis will be placed on those areas which are particularly pertinent to and have application in the teaching of science in secondary schools. \$5 laboratory fee.

BIOL 6023 Conservation Workshop

First summer term. A workshop for teachers of secondary science. Topics to be covered include the natural resources, their use and conservation, man's interaction with the environment, and the limiting factors affecting man. Workshop includes both lecture and field experience. Special project will be the development of a conservation project which will have application in the teacher's home environment.

BIOL (PHSC) 6813 Science, Technology and Human Values

Prerequisite: Bachelor's degree in one of the biological sciences. (Note: Those lacking such degree should enroll in LA 6813). An interdisciplinary introduction to the role of science and technology in shaping world views and addressing societal problems. Team taught by scientists and humanists.

BIOL 6881-3 Workshop

Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

Chemistry

CHEM 6034 Concepts of Chemistry

Prerequisite: Eight hours of chemistry or consent of instructor. Emphasis will be primarily directed to those inorganic/analytical concepts common to secondary school chemistry courses: atomic theory, bonding, the periodic law, states of matter, reaction stoichiometry, kinetics, thermodynamics, acid-base chemistry, electrochemistry, nuclear chemistry, etc. Three hours of lecture and three hours of laboratory. \$5 laboratory fee.

College Student Personnel

CSP 6013 American Higher Education in Transition

An overview of the history, philosophy, purposes, and functions of higher education in the United States. The purpose of the course is to familiarize students with the events, issues, and ongoing debates that have shaped and continue to shape higher education in the United States.

CSP 6023 Introduction to College Student Personnel Work

This course will provide the student with an understanding of the breadth of college student personnel work and introduce the student to the theory and practice of student personnel work as a profession.

CSP 6033 Theory and Practice in College Student Personnel

This is an introductory course in college student development theory. Students will be provided with a foundation to understand student development theory and how to apply it in a practical way in their work with college students.

CSP 6043 American College Student

An overview of the literature and research on American college students. After reviewing the literature on student transition to college, student collegiate experiences, student development in college, and college impact on students, the focus will be on effective institutional policies and practices in enhancing positive student college experiences, learning, and other desirable outcomes.

CSP 6053 Legal Issues for Professionals in College Student Personnel

This course is designed to teach a process of legal analysis. Benchmark cases will be used to illuminate basic issues. The student will be exposed to a range of administrative problems at the postsecondary level that entail legal implications. The course experiences should ultimately help current and prospective administrators to envision the legal dimensions of collegiate-level decision processes.

CSP 6063 Special Topics: College Student Personnel Capstone Seminar

Prerequisite: A minimum of 24 hours must be earned toward program requirements. This capstone seminar is designed to provide graduating college student personnel students with the opportunity to discuss current issues in student affairs practice with the goal of preparing them as new professionals in the field.

CSP 6073 Counseling with College Students

An exploration of ways adults construct meaning, including intellectual, moral, and personality development. Gender and culture will be highlighted as they affect learning and development.

CSP 6081-3 Practicum I in College Student Personnel

Prerequisite: A minimum of 18 hours must be earned toward program requirements. This course provides students the opportunity to participate in a supervised professional experience. The student will process, discuss, and share experiences gained during the practical internship to integrate the experiences with the student development theory.

CSP 6091-3 Practicum II in College Student Personnel

Prerequisite: Successful completion of CSP 6081-3. A practical, applied course where students will participate actively in a supervised professional experience. The student is expected to process, discuss, and share experiences gained during the professional experience and to integrate those experiences with the student development theory.

CSP 6096 Thesis in College Student Personnel

Prerequisite: 27 hours must be completed toward the program requirements. The student will complete an applied or theoretical research project which incorporates all the elements of an original research proposal and concludes with findings which add to the body of knowledge in the area of college student personnel.

CSP 6113 Research Design and Analysis

The student will learn to interpret, analyze, and evaluate research reports in professional journals and will understand the principles which underlie effective scientific investigation.

CSP 6123 Assessment and Evaluation in Higher Education

An in-depth survey of the outcomes assessment and institutional effectiveness movement and including assessment techniques, instruments selection, analysis of assessment data, and reporting of assessment findings.

CSP 6133 Ethical Leadership in Higher Education

A study of how educational policy is developed through micro and macro political elements, an examination of ethical and value issues confronting educational leaders, and a demonstration of how individual values drive ethical behavior and ethical decisions.

CSP 6893 Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Counseling

COUN 6003 School Organization and Leadership for the Counselor

The course will examine how schools are organized and supported from the federal level to the local school. The concepts of leadership and its role at all levels will be a focal part of this study. Students will begin to examine their leadership style and dispositions.

COUN 6011 Instructional Leadership/Counseling

This course will focus on the "hard and soft" skills of instructional leadership, counseling, and micro-counseling. The teaching and learning process will be the focus of student work. Students will learn how to observe and coach for excellence in teaching and learning. The reflective practice model will serve as a basis for theory and skill development.

COUN 6113 Action Research and Data Analysis for High Performing Schools

This course will center on the analysis of data with emphasis on student achievement and whole school accountability. Data-driven decision making will be examined. Students will look at research methodologies with a focus on action research and the role of the leader in facilitating action research in the field.

COUN 6133 Principles of Curriculum Development

This course will focus on national, state, and local curriculum standards. Students will gain an understanding of the alignment issues of curriculum, instruction, and assessment as they prepare a curriculum artifact based on the principles of curriculum.

COUN 6143 Organizational Change/Role of School Counselor

This course will examine theories of change looking at research and case studies of first and second order change. Students will gain strategies as leaders of change as schools work to move closer to higher performance. Students will study a current change taking place in a school.

COUN 6152 Professional Portfolio

Students will develop a portfolio organized to provide evidences demonstrating proficiency supporting the standards for Arkansas licensure requirements for counselors. This professional portfolio will be a comprehensive collection of artifacts reflective of the program of study designed to meet the standards for school counselors.

COUN 6213 Developmental Counseling: Theory and Application

This course provides an overview of the basic tenets of life span development and how they relate to school counseling. Developmental Counseling contains a balance of research, theoretical clarity, and practical application as students move through the stages of lifesaving development.

COUN 6224 Counseling Skill Development I

Students will examine basic skills and characteristics involved in becoming effective school counselors; will articulate, practice, and demonstrate basic mastery of these skills and characteristics; will develop a systematic approach to the counseling process; and will assess personal strengths and limitations related to becoming professional school counselors.

COUN 6233 School Counseling Programs

This course will review the basic concepts and principles of elementary, middle, and secondary school counseling programs. Specific focus will be on program accountability, development, and leadership of school-based counseling programs.

COUN 6243 Group Counseling Strategies in the Schools

Students will be expected to draw relationships among the concepts and principles of individual, family, and group counseling and apply that knowledge to a school setting.

COUN 6254 Assessment and Career/Academic Advising

This course prepares pre-service counselors to facilitate the public schools role in career development, planning, and decision making within the educational context.

COUN 6263 Teaming, Collaboration, and Advocacy

This course emphasizes the values, knowledge, and skills required for effective advocacy and brokering of services through consultation and collaboration. Use of data to identify needs, remove barriers and mobilize resources from the school and the community in order to increase options for students are primary themes through the course. Special attention is placed on equal access of all students to rigorous educational experiences.

COUN 6302 School Counseling Internship

This course provides graduate students an opportunity to engage in supervised, on-the-job experiences in a school setting. The internship includes scheduled on-campus group supervision designed to provide guidance, analysis, and evaluation of this capstone field experience. Internship fee of \$50.00 for 2 hour course.

COUN 6303 Counseling Skill Development II

Students will examine intermediate skills and characteristics involved in becoming effective school counselors. Students will articulate, practice, and demonstrate mastery of these skills and characteristics; will develop a systematic approach to the counseling process; and will further assess personal strengths and limitations related to becoming professional school counselors.

COUN 6304 Internship

This course provides graduate students an opportunity to engage in supervised, on-the-job experiences in a school setting. The internship includes scheduled on-campus group supervision designed to provide guidance, analysis, and evaluation of this capstone field experience. Internship fee of \$100.00 for 4 hour course.

COUN 6891-4 Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis. May be repeated for a maximum of 4 hours.

Driver Education

DE 5613 Driver and Traffic Education I

Prerequisites: Arkansas Teaching Certificate, valid driver's license, good driving record, or approval of department head. This course is designed to prepare teachers to organize and teach driver education and traffic safety programs in secondary schools. This course provides a survey of materials and methods of instruction plus evaluation of textbooks and in-car training of a student driver. Two hours lecture, two hours laboratory. May not be taken for credit after completion of DE 4613 or equivalent.

DE 5543 Driver and Traffic Education II

Prerequisites: Arkansas Teaching Certificate, valid driver's license, good driving record, or approval of department head. This course is designed to prepare teachers to organize and teach driver education and traffic safety programs in secondary schools. It includes administration, supervision of personnel, design of facilities, and a research project. May not be taken for credit after completion of DE 4543 or equivalent.

Economics

ECON 5073 World Economic Systems

On demand. Prerequisites: ECON 2003, 2013, or consent of instructor. A study of the institutional framework of an economic system selected by the instructor. The course includes a visit to the country being studied. May not be taken for credit after completion of ECON 4073 or equivalent.

ECON 6881-3 Workshop

Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

ECON 6891-4 Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Educational Foundations

EDFD 5052 Teaching Exceptional Learners

A study of the major areas of exceptionality including the learning and physically disabled, mentally retarded, and the gifted, and of their special needs in a school program. May not be taken for credit after completion of EDFD 4052.

EDFD 6003 Educational Research

An introduction to educational research procedures, including formulation of research problems, research designs, data collection, and analysis of data.

EDFD 6043 Current Issues in Human Learning

A detailed study of some current issues in human learning which reflects the concerns of classroom teachers as they apply psychology to teaching. Course is designed to serve both elementary and secondary teachers.

EDFD 6053 The At-Risk Child in the School Environment

A seminar designed to investigate the characteristics of the at-risk student and to investigate the teaching strategies utilized to meet the needs of the at-risk student in the regular classroom.

EDFD 6063 Educational Assessment

Provides the knowledge base for construction, selection, administration, and interpretation of formal, informal, and alternative forms of student assessment.

EDFD 6203 Supervision of Instruction

The techniques of instructional supervision including evaluation and improvement of classroom instruction.

EDFD 6313 Principles of Curriculum Development

A study of the elements and principles of curriculum design and construction for teachers at the elementary and secondary school levels. The course considers the theoretical concerns of curriculum planning as well as the activities involved in carrying theory into practice.

EDFD 6403 Social and Historical Factors in Education

The study of education and various social groups, including the effects of various societies and educational systems.

EDFD 6503 Classroom and Behavioral Management

A seminar to examine research for sources and types of models available for managing the classroom. Development of classroom management skills and systems by applying human development, learning, teaching, and communication principles. This class will review the research and professional literature on classroom management.

EDFD 6703 Guidance in Education

Designed to provide the classroom teacher with the background knowledge and skills to provide classroom assistance in areas related to the school's guidance program.

EDFD 6881-3 Workshop

Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

EDFD 6993 Project in Educational Research

Study and directed research on a topic selected by the student in consultation with a supervising professor.

Educational Leadership

EDLD 6002 Administrative Law

An introduction to the legal environment of the school. The course will cover legal concepts, regulations, and codes for school operation. Special emphasis will be given to administrators' knowledge of the proper implementation of policies, regulations, rules, and procedures in public schools.

EDLD 6013 School Organization and Leadership

Principles and concepts of school organization and the role of the educational leader.

EDLD 6023 Organizational Change

A study of change theory as it affects educational organizations with specific attention given to the public school system. The use of programs such as ACSIP in directing change within the school.

EDLD 6102 School Finance

A study of school budgeting, accounting techniques, and funding formulas.

EDLD 6113 Action Research and Data Analysis

This course will address the theories and practice of research with emphasis on action research for school improvement. The course will focus on gathering, accessing, and interpreting information needed for effective decision-making for high performing schools.

EDLD 6153 Communication with School and Community

Identification, study, and analysis of concepts and procedures to develop and implement effective communication and public relations strategies between the school and the community. Also includes community analysis, school issues, public responses, and policy development.

EDLD 6203 Education and Society: Continuities and Discontinuities

The relationship between society and educational systems including factors which have either positive or negative effects upon the stability of the system.

EDLD 6253 Instructional Leadership

Principles of effective instructional leadership including the role of the principal as an instructional leader focusing on the critical friend and clinical supervision models, curriculum and data analysis. This course is a prerequisite for EDLD 6402.

EDLD 6303 Technology as an Administrative Tool

The role of technology in improving the education system is the focus of this course. The use of technology by the administrator to improve the quality of education managerially and instructionally is the emphasis of the course.

EDLD 6313 Principles of Curriculum for School Leadership

A study of the elements and principles of curriculum design and construction for principals at the elementary, middle and secondary school levels. The course considers the school leader's role in curriculum development, implementation and evaluation.

EDLD 6352 Physical Environment of Schools

A study of the effects of the physical environment of the school upon instruction and learning. The course will include the development of physical plants conducive to and effective for learning.

EDLD 6402 Working with the Marginal Performer

Prerequisite: EDLD 6253. The application of supervision in working with teachers with marginal success is the focus. The course will include a study of mentoring and teacher evaluations systems.

EDLD 6552 Administrative Internship

Directed on-the-job activities. Designed to give instructional leaders experience in the various subsystems composing the education system. Internship fee of \$50.00 for 2 hour course

EDLD 6554 Administrative Internship

Directed on-the-job activities. Designed to give instructional leaders experience in the various subsystems composing the education system. Internship fee of \$100.00 for 4 hour course.

EDLD 6891-4 Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

EDLD 6992 Professional Portfolio

Students will develop a portfolio organized to provide evidences demonstrating proficiency supporting the standards for Arkansas licensure requirements for building level administrators. This professional portfolio will be a comprehensive collection of artifacts reflective of the program of study designed to meet the standards for school leaders.

EDLD 7003 Seminar in Systems Issues

This course focuses on system issues and the resulting development of coherent educational policy for public elementary and secondary schools that unifies purpose. This focus is primarily at the state level, where formal responsibility lies, but it concerns federal and district policy as well as school practice.

EDLD 7013 The Superintendency and Central Office

The scope and function of the central office will be the focus of this course. Theory and practice from the central office/superintendent's perspective of such areas as superintendent-board relations, public relations, strategic planning, professional negotiation, special programs administration, leadership style, and school climate.

EDLD 7022 Building a Leadership Community

School leaders must have the knowledge, competence, and belief system to positively shape a school's culture. This requires a thorough understanding of purposeful, systematic change and skills in positive interpersonal relationships, collaboration, verbal and non-verbal communication, conflict resolution, leadership teams and organizational management.

EDLD 7023 School Board Relations

The study of school board-administrator relationships and procedures with emphases on community relations, the politics of education and functioning cohesively as an educational, policy-making group.

EDLD 7033 School Personnel and Business Management

Principles, processes and procedures of school personnel management and business management are probed. Issues and topics investigated include supervision, evaluation, recruitment, staff development, salary and contractual obligations, attendance accounting, APSCN procedures, financial accounting, and property accounting.

EDLD 7101 Administrative Internship in Educational Facilities

This is a field study experience providing the student with an opportunity to synthesize and apply knowledge, and develop and practice administrative skills as they relate to educational facilities and transportation services. It applies reflective practice under the direction of a practitioner mentor and a university advisor and utilizes existing sites, new sites, and planning sessions. An internship fee of \$25.00 for 1 hour.

EDLD 7112 Advanced Legal Issues

This course focuses on the United States Constitution and its effects on due process requirements for public schools. Issues include the relationship of constitutional, statutory and case law to public school districts particularly in these areas of current concern - students' rights and responsibilities, teachers' rights and responsibilities, procedural and substantive due process, and liability.

EDLD 7113 Seminar in Current Issues

The course will investigate contemporary issues and trends related to educational leadership and examine problems and solutions that are of current concern for school organizations. These issues include school finance alternatives, serving a diverse constituency, meeting individual and group needs, accountability issues, instructional issues including the integration of technology, evaluation of instructional issues, evaluation of programs and personnel, and changing policies at the state and national level.

EDLD 7122 Educational Facilities

This is a study of school facilities and transportation planning and concepts, management and practices. Topics include how to use and maintain present school plants, keeping the board and community informed as to building needs, selecting architects, financing construction, safety and security issues, and developing educational specifications.

EDLD 7132 School Finance for District Level Administration

Economics and school finance: Basic concepts include local, state and federal support of education, the Arkansas State Financial System (APSCN), budgeting and projecting, financing capital items, centralization vs. site-based concepts, fiscal management, auditing, and communicating finance to the board and community.

EDLD 7143 School Accountability Systems

This course probes the essential elements of a monitoring system designed to help schools and districts acquire the information they need to better realize their intentions for improvement, accountability, and school restructuring.

EDLD 7201 Administrative Internship in District Level Finance

A field study experience providing the student with an opportunity to synthesize and apply knowledge, and to develop and practice administrative skills as they relate to the principles of district level school finance. It applies reflective practice under the direction of a practitioner mentor and a university advisor and focuses on existing state and district level financial practices, resources, and responsibilities. An internship fee of \$25.00 for 1 hour.

EDLD 7202 Administrative Internship in School Accountability Systems

A field study experience providing the student with an opportunity to synthesize and apply knowledge, and develop and practice administrative skills as they relate to school accountability systems. It applies reflective practice under the direction of a practitioner mentor and a university advisor and focuses on a monitoring system model. An Internship fee of \$50.00 for 2 hours.

Educational Media

EDMD 5033 Introduction to Instructional Technology

An introductory media and media methods course providing an introduction to: instructional computer utilization; applications of principles of graphic design in the production of audiovisual materials; the application of visual literacy, communications, and learning theory to the selection, evaluation, and use of instructional materials; and the development of mediated units of instruction.

EDMD 6113 Microcomputers for Education and Training

A study of the use of the microcomputer for administrative, instructional, and classroom management uses in educational and training settings. School-wide classroom and training facility uses and applications in the following areas will be emphasized: word processing, spreadsheet and database management, test bank, grade book, test scoring, CAI, skill development, and desktop publishing.

EDMD 6123 Audio in Media

Prerequisite: EDMD 5033 or similar introductory course in instructional technology or by permission of instructor. A study of the technology of sound and the process of producing sound for media programs. The course covers the principles and equipment of sound, pre-production planning, production processes and post-production editing, and the technology of sound. In addition to the study of the principles of sound production, students will apply theories and principles in the production of media programs through a series of production assignments.

EDMD 6133 Production of Instructional Materials

Prerequisite: EDMD 5033 or approval of instructor. Advanced applications, techniques, and processes involved in the production of instructional materials. Emphasis is placed on the production of completed education and training units using digital images, electronic presentations, and web-based materials.

EDMD 6163 Internet Resources

An introduction to resources available on the Internet as well as the tools needed to navigate within a worldwide network of computers, made up of thousands of autonomous networks which are separately administered.

EDMD 6233 Administration of Media Programs

Prerequisite: Nine hours of graduate study or approval of instructor. A study of the administrative responsibility involved in the organization, implementation, and operation of comprehensive media programs. Specific areas of study include: planning, budgeting, selection of equipment and materials, computerizing administrative functions, proposal development, and program evaluation. Will include site visits to area media centers and training facilities.

EDMD 6303 Survey of Instructional Media

A survey of current media research, educational media formats, and utilization of mediated materials in education and training, and the development of instructional programs.

EDMD 6313 Instructional Design and Product Development

Prerequisites: Nine hours of instructional technology courses, including a media production course. A study of the systematic approach to the design, production, evaluation, and utilization of instructional materials. Using design models and general theoretical knowledge specifications, students will write goals and objectives, identify learner characteristics, conduct task analyses, define learning conditions and instructional events, produce instructional products to meet identified needs, and field test finished products.

EDMD 6333 Instructional Multimedia

A study of the human, persuasive, and communicative elements of the medium of television; the effective use of television in education and training; and the writing, producing, directing, and editing of one-camera and studio television productions.

EDMD 6433-6 Practicum in Educational Media

An overall view of the field of educational media and instructional technology. Current journals, trends, and authorities in the field will be studied. Students will participate in 120 hours (3 hrs. credit) OR 240 hours (6hrs. credit) of practical work in media centers or training facilities, will visit selected media centers, and will submit a research paper or project on current trends in educational media or instructional technology. Required of all library media specialist students.

EDMD 6503 Computer Literacy

An introduction to computer hardware and software. An overview of computer uses in society with an emphasis on computers in education. An introduction to programming with a high-level language. May not be taken for credit after completion of COMS 4503/5503 or equivalent.

EDMD 6513 Computer - Based Instruction

An introduction to the use of the computer as a classroom tool to aid in individual instruction. A survey of existing programs available to support courseware development and use on microcomputers, minicomputers, and mainframes. Hands-on experience in developing an interactive instruction lesson. May not be taken for credit after completion of COMS 4513/5513 or equivalent.

EDMD 6881-3 Workshop

Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

EDMD 6891-4 Instructional Technology Curriculum

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

EDMD 6993 Thesis Research/Seminar

Formal presentation of directed research on a thesis topic selected by the student in consultation with a supervising professor. Prior to the final defense of a written thesis, students will be required to present their research study in a seminar to faculty, staff, and other graduate students.

Elementary Education

ELED 5063 Educators in Industry

A course devoted to career awareness in relation to the modern workplace. It is conducted in cooperation with local businesses and industries. The course involves research, on-site instruction, and work experience.

ELED/SEED 5333 Teaching Reading and Study Strategies in the Content Area

This course is designed to provide pre-service and in-service teachers and administrators with a knowledge of reading factors as they relate to various disciplines. Content of the course includes estimating students' reading ability, techniques for vocabulary, questioning strategies, and developing reading-related study skills.

ELED 6036 Science, Mathematics, and Reading: An Interdisciplinary Approach K-4

This course stresses the learning of science, mathematics, and reading as active, integrated, constructive processes involving experimentation, investigation, communication, reasoning and problem solving.

ELED 6323 Survey of Teaching Reading

A broad overview of the major viewpoints about reading and current approaches to literacy instruction, with emphasis on its socio-psycholinguistic aspects.

ELED 6343 Literacy Assessment and Intervention

Prerequisite: ELED 6323. A study of current practices in assessing literacy development and providing intervention in identified problems. Emphasis will be placed on interactive procedures to determine and facilitate the use of reading and writing processes.

ELED 6363 Clinical Practices

Prerequisites: ELED 6323 and ELED 6343. Clinical experiences in reading. Students diagnose and treat reading disability cases under supervision. A \$12.50 fee will be assessed to cover the cost of supplies and materials.

ELED (LBMD) 6403 Literature for Children and Adolescents

An in-depth study of printed and other types of materials available for use in the elementary grades and middle school. Emphasizes the selection and use of materials to stimulate and improve learning.

ELED 6423 Current Issues in Early Childhood Education.

A survey of contemporary developments in early childhood education with emphasis upon individual teaching problems. Intensive study in areas of individual interest and need.

ELED 6523 Survey of Research in Elementary Education

A critical review, examination, and evaluation of investigations, studies, and other research findings which have special significance for elementary education. The implications of this research for educational practice will also be considered.

ELED 6603 Teaching Social Studies in the Elementary School

Focuses on new and emerging elementary and middle school social studies curricula. Special emphasis on improving the instructional program.

ELED 6803 Teaching the Exceptional Child

Focuses on curricular content and teaching materials for the exceptional child. Special consideration is given to developing more effective teaching methods and materials for the atypical child.

ELED 6823 Introduction to Learning Disabilities

A study designed to teach a recognition of behavioral characteristics of children who have perceptual problems. This course also includes information about prescribed referral procedures and gives an overview of diagnostic, and prescriptive instruction.

ELED 6881-3 Workshop

Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

ELED 6891-4 Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

ELED 6991 Thesis Research

Directed research on a thesis topic. If the six-hour thesis (ELED 6996) has not been completed during the semester(s) of enrollment, the student must register for ELED 6991 during subsequent semesters in which he/she is receiving faculty assistance with the thesis and/or using University library facilities.

ELED 6996 Thesis Research

Directed research on a thesis topic selected by the student in consultation with a supervising professor.

Emergency Management and Homeland Security

EMHS 5003 Principles and Practice of Disaster Relief and Recovery

Prerequisites or corequisites: EAM 1003 and 1013 or consent of instructor. EMHS 5003 is open to Emergency Management graduate students only. Recovery issues are studied and how they relate to ethical, medial, and economic and environmental considerations; initial, short-term, and long-term recovery efforts and group exercises; and documentation and record-keeping. Graduate students are assigned additional readings and will complete a special project to demonstrate a broad understanding of the principles and practice of disaster relief and recovery.

EMHS 5043 Disaster and Emergency Management Ethics

Prerequisites or corequisites: EAM 1003 and 1013 or consent of instructor. EMHS 5043 is open to Emergency Management graduate students only. The course will involve a study of a variety of types of ethical theory (teleological, deontological, distributive theories of justice, natural law), a review of specific ethical dilemmas per disaster phase, professional ethics, overcoming biases, avoiding discrimination, and developing sensitivity. Detailed ethical case studies will be conducted (Bhopal, Chernobyl, Three-Mile Island, Love Canal, Exxon Valdez). Graduate students will develop a comprehensive analysis of the cases studied.

EMHS 5053 Community Management of Hazardous Materials

Prerequisites or acceptable equivalencies: EAM 1003 and 1013 or consent of instructor. EMHS 5053 is open to Emergency Management graduate students only. The course addresses chemical properties of hazardous materials and wastes; legal requirements for their handling, storage, transportation, and disposal; and methods for protecting employees, facilities, and the community. Graduate students will complete a special project that demonstrates a broad understanding of the principles of community management of hazardous materials.

EMHS 5991-3 Special Problems and Topics

Prerequisites or acceptable equivalencies: EAM 1003 and 1013 or consent of instructor. EAM 4991-3 is open to Emergency Administration and Management junior and senior students only. The topics will vary to reflect the continual changes in the emergency management field. This course may also serve as an independent study course upon recommendation of the advisor and approval by the dean. Graduate students will be assigned additional readings and projects of concentration to demonstrate a broad understanding of the special problem or topic being investigated or studied.

EMHS 6003 Design and Management of Preparedness and Mitigation Systems

This course reviews the needs for well structured design and management processes for preparedness and mitigation systems. Students will study the underlying concepts for the design and management processes and the best practice methods currently used to implement these concepts in the public and the private sectors. The course includes a special project in which students will develop an actual design and management approach for a public or private sector organization's preparedness and mitigation system.

EMHS 6013 Technology for Comprehensive Emergency Management

This course covers the technologies that are applied during each of the phases of emergency management. Typical technologies reviewed include information management, message handling, Geographic Information Systems (GIS), the Global Positioning System (GPS), material release modeling, situational analysis, and hazard analysis tools. Students will research products in each technology category. This course includes a special project in which students develop an exercise that integrates and demonstrates several technologies in a comprehensive emergency management approach.

EMHS 6023 Risk and Vulnerability Assessment for Business and Industry

This course covers the hazards and threats businesses and industry face to their security, safety, and business continuity. The scope of threats and businesses studied ranges from local to international. Students will research methods business and industry use to assess their risks and vulnerability and best practices disaster recovery and business continuity plans. A student project will include identifying the threats faced by a specific business and developing a risk and vulnerability assessment that addresses the business continuity needs of the business.

EMHS 6033 Foundation of Leadership

This course is an introduction to past and present models of leadership. Topics will include the current context for leadership and personal leadership styles. Students will examine moral frameworks for leadership and decision-making as well as leadership domains and the synthesis of leadership development. Case studies will explore leadership in practice in both the public and private sectors as it relates to emergency management.

EMHS 6043 Contemporary Issues in Emergency Management

This course emphasizes and analyzes the practical aspects of problems facing the emergency manager. Topics will include compliance issues confronting the modern professional with regard to Homeland Security, the National Incident Management System, the National Response Plan and other national initiatives. Students will analyze and discuss current trends and issues facing emergency management both professionally and legislatively as well as problems, innovations, and proposed changes that will affect the future of emergency management.

EMHS 6053 Legal Issues in Emergency Management

This course allows students to research, analyze and discuss relevant state and federal statutes which affect emergency management. Emphasis will be placed on the legal obligations of the emergency management professional using case studies and contemporary examples. Students will explore the legal implications of mitigation and preparedness efforts as well as those facing responders before, during, and after a disaster. The course will also familiarize students with legal resources available for future reference and research.

EMHS 6103 Research Design and Methods

The purpose of the Research Design and Methods course is for emergency management students to demonstrate an understanding of the purpose of research, research design, and research methods. Both quantitative and qualitative methods will be discussed and evaluated. Using the application of the scientific method to solve real world problems, research design will center on the application of accepted practices and research methods. The course will provide models for the collection, organization, and analysis of data while emphasizing the use of data for decision making, replication, and contributing to the general knowledge base.

EMHS 6303 Thesis Research

Prerequisite: Completion of the 21-hour professional component. Research on a topic resulting in the design of the written thesis. The thesis topic and design must be developed in consultation with a supervising professor. The thesis topic and design must be developed in consultation with a supervising professor.

EMHS 6313 Thesis Seminar

Prerequisite: EAM 6303. Students will be required to develop and defend a formal written thesis based on the research findings compiled and the design developed in EAM 6303. The thesis will be presented in a seminar to faculty, staff, and other graduate students.

EMHS 6403 Action Research Practicum I

Prerequisite: Completion of the 21-hour professional component.

EMHS 6413 Action Research Practicum II

Prerequisite: EAM 6403

EMHS 6881-3 Workshop

Prerequisite: Permission of the instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

EMHS 6891-3 Independent Study

Prerequisite: Permission of advisor who will direct the independent study. Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

English

ENGL 5023 Second Language Acquisition

An investigation and analysis of the theoretical foundation of learning a second language as a guide to the effective teaching of English to limited English proficiency (LEP) students. May not be taken for credit after completion of ENGL 4023.

ENGL 5083 Seminar: English Language

Course content will vary. May be taken for credit after completion of ENGL 4083 or ENGL 5083 if course content differs.

ENGL 5093 Seminar in Creative Writing

Opportunity for students to refine style and technique in a genre of creative writing. May be repeated for credit after completion of ENGL 4093 or ENGL 5093 if course content varies.

ENGL 5213 American Folklore

A study of the forms and subjects of American folklore; folklore scholarship and bibliography; field work in collecting folklore. May not be taken for credit after completion of ENGL 4213.

ENGL 5283 Seminar: World Literature

Course content will vary. May be taken for credit after completion of ENGL 4283 or ENGL 5283 if course content differs.

ENGL 5383 Seminar: American Literature

Course content will vary. May be taken for credit after completion of ENGL 4383 or ENGL 5383 if course content differs.

ENGL 5483 Seminar: British Literature

Course content will vary. May be taken for credit after completion of ENGL 4483 or ENGL 5483 if course content differs.

ENGL 5683 Seminar in Women's Studies

Course content will vary. May be taken for credit after completion of ENGL 4683 or ENGL 5683 if course content differs.

ENGL 5703 Teaching English as a Second Language

An investigation and practice in teaching different levels of English grammar, oral communication, comprehension skills, reading, and composition to foreign students. May not be taken for credit after completion of ENGL 4703.

ENGL 5713 ESL Assessment

An introduction to the tools, techniques, and procedures for evaluating the English proficiency and language development of ESL students. May not be taken for credit after completion of ENGL 4713.

ENGL 5723 Teaching People of Other Cultures

An examination of cultural diversity in Arkansas and the United States, designed for prospective ESL teachers. May not be taken for credit after completion of ENGL 4723.

ENGL 6003 Introduction to English Graduate Study

An exploration of the ideas, methods and resources appropriate to the study of English language and literature. May not be taken for credit after completion of LA 6013.

ENGL 6013 Structure of the English Language

A study of the grammatical system of English through three different approaches: traditional, structural, and transformational-generative.

ENGL 6033 Rhetoric

A study of the history, theory, and application of rhetoric.

ENGL 6083 Seminar in Linguistics

Course content will vary. May be taken for credit after ENGL 6083 if course content varies.

ENGL 6213 Topics in Literature

Examination of various topics through the intensive study of selected literature. May be repeated for credit if course content varies.

ENGL 6283 Literature and Society

A contextual study of selected works designed to explore the ways in which literature reflects and shapes society. May be repeated if course contents varies.

ENGL 6813 Directed Readings

A study of literary works selected from the M.A. in English Examination Reading List.

ENGL 6881-6 Workshop

Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

ENGL 6891-4 Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

ENGL 6993 Thesis Research

Prerequisite: Approval of a thesis plan by the Head of the Department of English and the Dean of Graduate Studies. Directed research on a thesis topic selected by the student in consultation with a supervising professor. Students enrolled in the M.A. in English may repeat ENGL 6993 for credit.

ENGL 6996 Thesis Research

Prerequisite: Approval of a thesis plan by the Head of the Department of English and the Dean of Graduate Studies. Directed Research on a thesis topic selected by the student in consultation with a supervising professor.

Fisheries and Wildlife

FW 5003 Principles of Wildlife Management

Prerequisite: A course in ecology or permission of instructor. Principles of managing wildlife resources with emphasis on population ecology, habitat evaluation and manipulation, wildlife values, and the administration of wildlife resources and resources agencies. Lecture three hours.

FW 5014 Forest Ecology and Management

Prerequisite: FW (BIOL) 3114. An in-depth coverage of ecological interactions in forested ecosystems. Lectures cover biotic and abiotic factors that influence development and species compositions of forest stands. Wildlife habitat relationships in forested ecosystems will also be discussed. Laboratories will familiarize students with field techniques and management activities important in the major forest types of Arkansas. Lecture two hours, lab four hours. \$10 laboratory fee.

FW 5024 Limnology

Spring. Prerequisite: A course in ecology. A study of physical and chemical processes in fresh water and their effects on organisms in lakes and streams. Laboratory sessions and field trips demonstrate limnological instrumentation and methodology. Lecture two hours, laboratory four hours. \$5 laboratory fee.

FW 5034 Geographic Information Systems in Natural Resources

Prerequisites: A course in statistics and computer science or an introductory course to GIS. Use of GIS technology in wildlife and fisheries management and research. Emphasis placed on creation, maintenance, and analysis of spatially explicit data. Lecture two hours, laboratory four hours. \$5 laboratory fee.

FW 5083 Principles of Fisheries Management

Prerequisites: Courses in ecology, statistics, and calculus or permission of instructor. The principles and theory of warm-water fish management with major emphasis on behavior, aquatic habitat, and population dynamics. Lecture three hours.

FW 5881-4 Advanced Topics

Prerequisite: Consent of instructor. This course offers special instruction on fisheries and wildlife topics that are not otherwise covered in the curriculum. The primary focus of the course will vary from offering to offering, thus the course may be taken more than once. This course may be repeated if content is different. On demand.

FW 6001 Graduate Seminar in Fisheries and Wildlife Biology

Analysis of current and classical concepts in fisheries and wildlife biology. The primary focus of this course will vary from offering to offering, thus the course may be taken for credit more than once. Lecture one hour.

FW 6002 Research Methods I

Prerequisites: A course in statistics. Methods for literature review, experimental design, and thesis proposal development. Lecture two hours.

FW 6012 Research Methods II

Prerequisites: A course in statistics. Methods for data analysis and thesis preparation. Lecture two hours.

FW 6013 Population Dynamics

Prerequisites: Courses in ecology, statistics, and calculus, or permission of instructor. An in-depth analysis of major historical development in the theory, techniques of manipulating, and mathematical modeling of fish and wildlife populations. Lecture three hours.

FW 6891-4 Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge that complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

FW 6991-6 Thesis Research

Research on a topic culminating in a written thesis.

Foreign Language

FR 5283 Seminar in French

Prerequisite: At least 19 semester hours of French at the undergraduate level or permission of instructor. Course content will vary. May be repeated for credit after completion of FR 4283 or FR 5283 if content is different.

FR 6801 Cultural Immersion and Research

Prerequisite: Enrollment in A.I.L.P. French Immersion Weekend and permission of instructor. Intensive study of French cultural topics followed by individual research projects. May be repeated for credit if content varies.

FR 6881-6 Foreign Language Workshop

Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

FR 6891 Foreign Language Independent Study

Prerequisite: permission of the instructor and department head. Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

GER 5283 Seminar in German

Prerequisite: At least 19 semester hours of German at the undergraduate level or permission of instructor. Course content will vary. May be repeated for credit after completion of GER 4283 or GER 5283 if content is different.

GER 6801 Cultural Immersion and Research

Prerequisite: Enrollment in A.I.L.P. German Immersion Weekend and permission of instructor. Intensive study of German cultural topics followed by individual research projects. May be repeated for credit if content varies.

GER 6881-6 Foreign Language Workshop

Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

GER 6891-4 Foreign Language Independent Study

Prerequisite: permission of the instructor and department head. Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

JPN 6801 Cultural Immersion and Research

Prerequisite: Enrollment in A.I.L.P. Japanese Immersion Weekend and permission of instructor. Intensive study of Japanese cultural topics followed by individual research projects. May be repeated for credit if content varies.

JPN 6881, 4, 5 & 6 Foreign Language Workshop

Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction.

JPN 6891-2 Foreign Language Independent Study

Prerequisite: permission of the instructor and department head. Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

SPAN 5283 Seminar in Spanish

Prerequisite: At least 19 semester hours of Spanish at the undergraduate level or permission of instructor. Course content will vary. May be repeated for credit after completion of SPAN 4283 or SPAN 5283 if content is different.

SPAN 5803 Latin American Film Theory

Prerequisite: SPAN 3123 or equivalent. An introduction to Latin American Film Theory and major films. The course traces the development of film and film theories in Latin America from its earliest initiatives in the 1950's in Peru, Venezuela, and Uruguay to the present.

SPAN 6003 Introduction to the M.A. in Spanish

The emphasis of this course is on analytical reading and academic writing. The course provides the student with research and analytical tools used in the humanities in order to develop the ability to handle larger expository and argumentative units and to deal more effectively with the writing process. Topics vary from year to year.

SPAN 6013 Spanish Composition Through Literature

A close study of texts from contemporary Spanish and Spanish-American writers, with an emphasis on literary analysis, the usage of selected grammatical features and writing styles.

SPAN 6016 Thesis Research

Prerequisite: Approval of a thesis plan by the Head of the Department of Foreign Languages and International Studies and the Dean of Graduate Studies. Directed research on a topic selected by the student in consultation with the supervising professor.

SPAN 6023 Literary Theory

Examination of the fundamental concepts of literary theory and criticism and their applications to Spanish texts, poetry, narrative, and drama.

SPAN 6033 Seminar in Spanish American Literature

This course is designed to introduce the student to major writers in contemporary Spanish American literature. The course will examine each work within its structure. Particular attention will be paid to social, intellectual, and existential aspects.

SPAN 6043 Conquest and Chronicles:

Historiography and Fiction in the XVI Century
Examination of XVI century texts from a historical, cultural, and literary perspective.

SPAN 6053 Spanish American Modernism, 1880-1920

Examination of Spanish-American modernist movement through different theoretical frames, and the ideology and rationale behind its criticism of Modernity.

SPAN 6063 Spanish American Literature and Culture in Modern Times

The course will examine Latin American literature from the turn of the century modernism to present time. This will include the multiple aspects of modernism, realism and regionalism, post-modernist poetry, contemporary prose, and theatre. Specific themes will be studied such as man versus nature, man versus society, gender issues, and the representation of women. The use of art and film will also be studied.

SPAN 6073 Spanish American Short Story

An analysis of Spanish American Short Story, from the 1940's to the present. Emphasis will be placed on the study of the fantastic and magical realism in Latin American Literature. Particular attention will be given to distinguished literary figures such as: Borges, Cortazar, Cabrera, and Marquez. Their work will be studied in depth and examined from different critical and theoretical perspectives.

SPAN 6083 Contemporary Latin American Poetry

Examination of black poetry in Latin America, and the process of transculturation as a discourse of identity in the Caribbean.

SPAN 6093 Latin American Novel

The narratives selected in this course will focus on the relationship between the world and literature. Readings will include the liberated and rebellious literature from Macedonio Fernandez, the canonical and marginal works from Julio Cortazar and Jose Emilio Pacheco and the narratives of the ninety by Ricardo Piglia.

SPAN 6283 Seminar in Spanish

Selected topics on language, literature, or culture in the Americas and Spain. Course may be repeated if content differs.

SPAN 6801 Cultural Immersion and Research

Prerequisite: Enrollment in A.I.L.P. Spanish Immersion Weekend and permission of the instructor. Intensive study of Spanish cultural topics followed by individual research projects. May be repeated for credit if content varies.

SPAN 6881-6 Foreign Language Workshop

Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

SPAN 6891-4 Foreign Language Independent Study

Prerequisite: permission of the instructor and department head. Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings.

General Science

GSCI 6003 Higher Order Thinking In Science

A course designed to assist teachers expand their scientific knowledge, of life, earth, and physical systems; create successful learning environments for students by teaching to use manipulatives, calculators, laboratory equipment, and various learning strategies; and to provide access to appropriate materials and equipment. This laboratory-based course stresses the learning of science as active, integrated, constructive processes involving experimentation, investigation, communication, reasoning, and problem solving. Lecture 2 hours, laboratory 2 hours.

Geography

GEOG 5023 Economic Geography

A study of the resources at man's disposal and his economic activities in utilizing these resources. Special attention is given to industrial and agricultural resources of leading nations. May not be taken for credit after completion of GEOG 3023 or GEOG 4023 or equivalent.

GEOG 5803 Seminar in Global Studies

A directed seminar in a major world region. The region and specific focus will depend upon the current world situation and student needs. May not be taken for credit after completion of GEOG 4803.

GEOG 5833 Geographic Information Systems

An introductory course dealing with computer organized spatial and attribute data. GIS is a system of specialized computer programs with the capability to manipulate and analyze data for problem solving. May not be taken for credit after completion of GEOG 4833 or equivalent.

GEOG 6003 Political Geography

Seminar on the influence of geography in world affairs. A survey of how the physical and cultural geographical factors influence contemporary policies and events.

GEOG 6881-3 Workshop

Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

GEOG 6891-4 Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Gifted Education

GTED 5003 Understanding the Gifted in Home, School and Community

Prerequisite: Consent of instructor. A survey in gifted education providing basic knowledge and concepts of interest to parents, prospective teachers and the community at large. May not be taken for credit after completion of GTED 4003.

GTED 6833 Current Issues and Trends in Gifted Education

Prerequisite: Consent of instructor. Critically examines timely and controversial issues in the field of gifted education to assist educators in developing more defensible programs for gifted/talented children. Systematic analysis of the trends and issues should result in an understanding of Gifted/Creative Education as it is presently viewed by scholars and practiced in the field. One should also gain new insights as to the direction in which we are moving as a "discipline" and as a school function.

GTED 6843 Curriculum Development for Instruction of the Gifted/Talented

Provides a background for the development of curriculum material designed to serve the educational needs of gifted/talented, particularly in regard to critical thinking, problem solving, and creativity.

GTED 6853 Methods and Materials in Gifted Education

This course is designed to provide instruction in methods and techniques of appropriate teaching for gifted/talented students. Also included are guidelines for materials selection and curriculum modification.

GTED 6863 Practicum in Gifted Education

Prerequisite: Consent of instructor. Clinical experiences in teaching the gifted/talented. Designed to assist teachers in providing individualized instruction necessary for developing the potential of the gifted/talented. A \$12.50 fee will be assessed to cover the cost of supplies and materials needed for a three-hour course.

GTED 6873 Developing Creative Talent

Prerequisite: Consent of instructor. Includes a review of research on creativity and provides instruction in the use of methods and techniques appropriate for the development of creative talent at elementary and secondary levels. Also included are guidelines for materials selection and curriculum modification.

GTED 6881-3 Workshop

Prerequisite: Consent of instructor. The special topics workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

GTED 6891-3 Independent Study

Prerequisite: Consent of instructor. Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of an action study.

GTED 6903 Guidance and Counseling of the Gifted/Talented

Defines the distinctive emotional needs of the gifted and presents strategies that counselors, teachers, and parents can use to help the gifted meet those needs at school and at home.

GTED 6991 Action Research

Prerequisite: GTED 6993 Action Research. Directed action study. If the three-hour action study (GTED 6993) has not been completed during the semester(s) of enrollment, the student must register for GTED 6991 during subsequent semesters in which he/she is receiving faculty assistance with the action study and/or using University library facilities.

GTED 6993 Action Research

Prerequisite: EDFD 6003 Educational Research. Directed action study selected by the student in consultation with supervising faculty in the School of Education.

History

HIST 5013 American Military History

Prerequisite: HIST 2003 and 2013. A study of the American military from its colonial origins to the present, including the development of the military establishment and its relationship with American society. Course requires the production of substantial written work based upon disciplined inquiry and the exploration and analysis of primary and secondary sources. May not be taken for credit after completion of HIST 4013 or equivalent.

HIST 5023 Vietnam War

A study of the American involvement in Vietnam from 1945 to 1975. Emphasis will rest on the actual period of war in Vietnam. May not be taken for credit after completion of HIST 4023 or equivalent.

HIST 5033 The Frontier in American History

Prerequisite: HIST 2003. Study of the American frontier as a place, as a process, and as a state of mind influential in shaping institutions and attitudes during the expansion of this nation westward from Atlantic to Pacific. Course requires the production of substantial written work based upon disciplined inquiry and the exploration and analysis of primary and secondary sources. May not be taken for credit after completion of HIST 4033 or equivalent.

HIST 5053 United States Economic History

Prerequisite: HIST 2003 and HIST 2013. A study of the major economic forces which have helped influence, and been influenced by, United States history. Particular emphasis will be given to the development of agriculture, business, industry, and labor in their American setting. Course requires the production of substantial written work based upon disciplined inquiry and the exploration and analysis of primary and secondary sources. May not be taken for credit after completion of HIST 4053 or equivalent.

HIST 5073 United States Diplomatic History, 1776-1912

Prerequisite: HIST 2003. This course is a study of America's diplomatic relationships with other nations and peoples from 1776 to 1912. Of particular emphasis will be the changes in international affairs brought about by the evolving economic and political conditions. This course follows the United States' early struggles in diplomacy through its expansion and eventual emergence as a world power. Course requires the production of substantial written work based upon disciplined inquiry and the exploration and analysis of primary and secondary sources. May not be taken for credit after completion of HIST 4073 or equivalent.

HIST 5083 United States Diplomatic History, 1912 to the Present

Prerequisite: HIST 2013. This course is a study of America's diplomatic relationships with other nations and peoples from 1912 to the present. Of particular emphasis will be the changes in international affairs brought about by the evolving economic and political conditions. This course follows the United States' from its emergence as a world power through two world wars, a cold war, and a war on terrorism. Course requires the production of substantial written work based upon disciplined inquiry and the exploration and analysis of primary and secondary sources. May not be taken for credit after completion of HIST 4083 or equivalent.

HIST 5123 African American History

Prerequisite: HIST 2003 or HIST 2013. This course examines the unique role and contribution of African Americans in the overall development of American history from the colonial era to the present. Course requires the production of substantial written work based upon disciplined inquiry and the exploration and analysis of primary and secondary sources. May not be taken for credit after completion of HIST 4123 or equivalent.

HIST 5133 Latinos in the United States

Prerequisite: HIST 2002 and HIST 2013. This course is an analysis of the historical and cultural heritage of Latinos who have lived or are currently living in the United States. Course requires the production of substantial written work based upon disciplined inquiry and the exploration and analysis of primary and secondary sources. May not be taken for credit after completion of HIST 4133 or equivalent.

HIST 5143 Native American History

Prerequisite: HIST 2003 or HIST 2013. A survey of Native American history from the Archaic period to the present. This course will present an interpretation of the historical experience of the diverse nations native to North America utilizing an ethno-historical approach. Some emphasis will be placed on the formation and operation of United States government policy regarding Native Americans in both the 19th and 20th centuries. May not be taken for credit after completion of HIST 4143 or equivalent.

HIST 5153 History of Arkansas

A study of the history of the state from Indian times to the present, noting political, social, economic, and cultural trends. May not be taken for credit after completion of HIST 3153 or HIST 4153 or equivalent.

HIST 5203 Women in American History

A treatment of women in Western and American social history in their lifestyles and economic and family roles. May not be taken for credit after completion of HIST 3203 or HIST 4203 or equivalent.

HIST 5403 Interpretation/Education through Museum Methods

Prerequisite: Permission of instructor and department head. Museum perspectives and approaches to care and interpretation of cultural resources, including, interpretive techniques of exhibit and education outreach materials, and integrating museum interpretation/education into public school and general public programming. Class projects focus on special problems for managing interpretive materials in a museum setting. Graduate level projects or papers involve carrying out research relevant to the Museum's mission and relating to current Museum goals.

HIST 5463 History of Russia

A study of the cultural and political history of Russia from the reign of Peter the Great to the present, emphasizing trends in the nineteenth century which culminated in the Bolshevik Revolution. May not be taken for credit after completion of HIST 4463 or equivalent.

HIST 5473 History of England to 1689

A survey of the political, legal, and constitutional development of England, with particular emphasis on England's development in relation to that of Western Europe in general. May not be taken for credit after completion of HIST 4473 or equivalent.

HIST 5483 World Economic History

This course traces the development of the modern global economy from the late middle ages to the present. Special attention is given to the emergence of capitalism in Europe and its migration to other parts of the world. Course requires the production of substantial written work based upon disciplined inquiry and the exploration and analysis of primary and secondary sources. May not be repeated for credit as HIST 4483 or equivalent.

HIST 5493 History of England Since 1689

A study of cultural, political, and constitutional history of England in the modern era, with a consideration of the influence of England upon the institutions of her colonies and of the role of England in the economic development of the Western World. May not be taken for credit after completion of HIST 4493 or equivalent.

HIST 5513 History of Science

Prerequisite: HIST 1503 and HIST 1513. A study of the origins, nature, and development of Western science, and its social, economic, and cultural context. May not be taken for credit after completion of HIST 4513 or equivalent.

HIST 5703 History of Modern Africa

A treatment of African history since 1600, dealing with the development of African states in sub-Saharan Africa up to present African nations. May not be taken for credit after completion of HIST 4703 or equivalent.

HIST (POLS) 5981-3 Social Science Seminar

A directed seminar in an area of social sciences. The specific focus will depend upon research under way, community of student need, and the unique educational opportunity available. Course requires the production of substantial written work based upon disciplined inquiry and the exploration and analysis of primary and secondary sources. Students are limited to a maximum of 3 hours credit at the graduate level. Subtitle will appear on students' transcripts.

HIST 6003 Historical Methods

General methods of, and approaches to, historical research and writing, including theories, current approaches, problems, and debates. Students will become familiar with basic tools of historical research and professional discipline. Course requires the individual production of a substantial research paper based upon disciplined inquiry and the exploration and analysis of primary and secondary sources.

HIST 6013 Seminar in United States History

An investigation of selected topics in American history. Course requires the individual production of a substantial research paper based upon disciplined inquiry and the exploration and analysis of primary and secondary sources. Content varies by semester. Course may be repeated for a maximum of 6 hours of credit. Alternate subtitles will appear on students' transcripts.

HIST 6033 Readings in United States History

A readings course in selected topics in American history. Course acquaints students with primary and/or secondary interpretations of the historical period addressed during the semester. Course requires the completion of extensive and wide-ranging reading assignments and the production of substantial written work on the course topic. Content varies by semester. Course may be repeated for a maximum of 6 hours of credit. Alternate subtitles will appear on students' transcripts.

HIST 6043 Readings in American History since 1877

A readings course in selected topics in American history since 1877. (May be repeated under different readings topics.)

HIST 6053 Historiography

Seminar in the analysis of works of important historians from ancient time to the present, with consideration of schools, theories, philosophies, and functions of history. Course requires the completion of extensive and wide-ranging reading assignments and the production of substantial written work.

HIST 6333 Seminar in Arkansas History

Seminar involves researching and writing a paper on a topic related to the history of Arkansas. Course requires the individual production of a substantial research paper based upon disciplined inquiry and the exploration and analysis of primary and secondary sources. Content varies by semester. The course may not be repeated for credit.

HIST 6343 Readings in Arkansas History

The purpose of this course is to acquaint graduate students with the important people, events, and issues of Arkansas through a program of intensive reading and writing. Course requires the completion of extensive wide-ranging reading assignments and the production of substantial written work on the course topic. Content varies by semester. The course may not be repeated for credit.

HIST 6403 Applied Public History

Prerequisite: HIST/ANTH/RP/MUSM 5403 or permission of the department head. Directed utilization of archives and museums, historical editing and publishing, documentary editing, family and community history, material culture, and historic site interpretation, preservation, and management. Areas of emphasis varies by semester. The course may be repeated for a maximum of 6 hours of credit. Alternate subtitles will appear on students' transcripts.

HIST 6413 Seminar in Modern European History

An investigation of selected topics in early modern European history. Course requires the individual production of a substantial research paper based upon disciplined inquiry and the exploration and analysis of primary and secondary sources. Content varies by semester. The course may be repeated for a maximum of 6 hours of credit. Alternate subtitles will appear on students' transcripts.

HIST 6433 Readings in Modern European History

A readings course in selected topics in early modern European history. Course requires the completion of extensive and wide-ranging reading assignments and the production of substantial written work on the course topic. Content varies by semester. The course may be repeated for a maximum of 6 hours of credit. Alternate subtitles will appear on students' transcripts.

HIST 6533 Seminar in World History

An investigation of selected topics in world history. Course requires the individual production of a substantial research paper based upon disciplined inquiry and the exploration and analysis of primary and secondary sources. Content varies by semester. The course may be repeated for a maximum of 6 hours of credit. Alternate subtitles will appear on students' transcripts.

HIST 6543 Readings in World History

A readings course in selected topics in world history. Course acquaints students with primary and/or secondary interpretations of the historical period addressed during the semester. Course requires the completion of extensive and wide-ranging reading assignments and the production of substantial written work on the course topic. Content varies by semester. The course may be repeated for a maximum of 6 hours of credit. Alternate subtitles will appear on students' transcripts.

HIST 6811 Seminar on the Teaching of History

An introduction to the various issues involved in teaching history at the post-secondary level. Graded S/U.

HIST 6881-3 Workshop

Prerequisite: Approval of department head. Course which allows flexibility of topic, structure, and credit hours to enable faculty to design content according to program needs. Open to graduate students who wish to pursue in-depth advanced projects. Course requires the completion of extensive and wide-ranging reading assignments and the production of substantial written work on the course topic. The workshop will require the equivalency of fifteen clock hours per credit hour. Students are limited to a maximum of 3 hours of workshop credit.

HIST 6891-4 Independent Study

Prerequisite: Approval of department head. Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the graduate History program. Course requires the completion of extensive and wide-ranging reading assignments and the production of substantial written work on the course topic. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis. Students are limited to a maximum of 6 hours of independent study credit.

HIST 6993 Thesis Research

Directed research on a thesis topic selected by the student in consultation with a supervising professor.

Humanities

HUM 5433 Seminar in Humanities

A directed seminar in the Humanities. The specific content will depend on research under way, community or student need, and the unique educational opportunity available. May be repeated for credit if course content changes.

HUM 6233 A Survey of the Fine Arts

This course is designed to present information about the fine arts to assist students to develop appreciation of, and sensitivity to, the fine arts. It is particularly designed for (1) persons who desire breadth of understanding about the fine arts, (2) teachers of gifted and talented students, and (3) students of the fine arts who desire more interdisciplinary information about the fine arts.

HUM 6513 American Musical Theatre

A study of the origins and evolution of musical theatre in the 19th and 20th centuries in America, with particular emphasis on turning point musicals, such as *Show Boat*, *Oklahoma*, *West Side Story*, *Hair*, and *Sunday in the Park with George*; on important composer/lyricist teams, such as Rogers and Hart, Rogers and Hammerstein, Lerner and Lowe, Bernstein and Sondheim; and on contemporary trends, including rock musicals, Off-Broadway musicals, and operatic musicals.

Information Technology

INFT 5053 Information Systems Resource Management

A study of the principles and concepts involved in the management of information resources including hardware, software and personnel. Includes coverage of departmental functions within computer/information services as well as legal, ethical, and professional issues, quality management, and strategic impact of information system.

INFT 5103 Software Development

Prerequisite: 1 year of programming in a high-level language, or a two semester sequence of programming courses. Techniques for specifying, designing, developing and testing medium-scale software.

INFT 5123 Laws of Communication

This course will familiarize the student with legal knowledge necessary for a communications specialist or working journalist. The course will attempt to identify case and statute law. It will also include in-depth research in particular legal matters.

INFT 5203 Database Systems

Prerequisite: INFT 5403. An in-depth study of creating databases in a personal productivity package, including relational database design, generation of customized interfaces, and importing/exporting data to other packages. Survey of applications of personal databases in education and industry.

INFT 5303 Developing and Administering Web Sites

Prerequisite: INFT 5403. The World Wide Web, Web browser, and web servers. Developing web pages. HTML and HTML editors. Characteristics of a good web site. Installing and configuring web browsers and web servers. Security, screening, and privacy issues.

INFT 5403 Introduction to Information Technology and Systems

Introduction to the infrastructure of information technology and systems. Topics include computer hardware and software, communication and networks, databases, e-commerce technology, design and development of information systems, information security, privacy, ethics, and social impact.

INFT 5413 Computer Systems and Architecture

A study of the fundamentals of system software and computer architecture. The course includes an introduction to the basic foundation of processor operation, memory hierarchy, bus and I/O systems along with their interactions. RISC and CISC instructions sets, fundamental networking terminology and implementation strategies, and an introduction to basic digital logic design.

INFT 5503 The UNIX Operating System

An introduction to the UNIX operating system. Topics to be covered will include the history and philosophy of UNIX systems, an introduction to basic elements of UNIX, the "shell" command interface, utilities for managing files, and an introduction to the functions that administrators perform to maintain or re-establish the reliability of UNIX systems and the tools that UNIX provides to support that activity.

INFT 5703 Computer Networks

Prerequisite: INFT 5403 and INFT 5413. Study of the concepts involved in interconnecting computers. Introduction to network topologies, routing, protocols, and security. Survey of network operating systems.

INFT 5981-3 Special Topics

A treatment of subjects not routinely covered in other courses. Subjects will vary. May be repeated for a maximum of 6 hours.

INFT 6013 Decision Support Systems

This course enables students to acquire a broad understanding of management information systems and their components and the use of data and analysis models to aid the process of making decisions.

INFT 6203 Database Development and Administration

Prerequisite: INFT 5103 and INFT 5203. A thorough introduction to accessing and maintaining a database via programming interface. Database administration features of SQL. Installation and tuning of a database.

INFT 6303 Design of Web-Based Information Systems

Prerequisite: INFT 5203 and INFT 5303. A survey of methods for providing web-based access to data across a network. Common Gateway interface. Use of generation tools for developing web-based forms. Storing form data into a database. Retrieving information from a database and formatting it for presentation through the web and through e-mail. Client-based processing of data. Audio and video mechanisms support.

INFT 6403 Information Systems Analysis and Design

Co-requisite: INFT 5203. A study of the various concepts, tools, principles, procedures, techniques, and stages of information systems development. Emphasis is placed on the systems approach to problem-solving, user involvement, the management of quality, project control, and teamwork. Other subjects will include feasibility study, requirements definition, documentation, system development life cycle, prototyping, and data modeling.

INFT 6703 Heterogeneous Networks

Prerequisite: INFT 5503 and INFT 5703. Networking in a heterogeneous environment.

INFT 6903 Emerging Trends in Information Technology

Prerequisite: Permission of the coordinator. Study of emerging trends in information technology. Analyzing and reporting on these trends.

INFT 6973 Thesis Research in Information Technology I

Prerequisite: Approval of a thesis plan by the thesis committee or the head of the department. Formal presentation of directed research on a thesis topic selected by the student in consultation with a supervising professor. Prior to the final defense of a written thesis, students will be required to present their research study in a seminar to faculty, staff, and other students. This course must be continued by taking INFT 6983 in a later semester to complete the entire six-hour thesis research.

INFT 6983 Thesis Research in Information Technology II

Prerequisite: INFT 6973. A continuation of the six-hour thesis research. Students may not enroll in this course with INFT 6991-3 in the same semester. In this course the degree candidate must submit his/her thesis to the thesis committee by the date established by the thesis committee. A final oral defense conducted by the thesis committee must be passed at least three weeks before the degree is conferred.

INFT 6991-3 Internship

Prerequisite: Approval of a project proposal by the MSIT Graduate Committee or the Instructor. Students will develop and/or maintain a sponsored computer laboratory or an information system. Duties will include determining user needs, writing and presenting a laboratory or system development/maintenance plan, and supporting the laboratory or system for a semester. This course can be repeated up to six total credit hours in different semesters. The internship will require the equivalence of four clock hours per week of direct client interaction per credit hour earned.

Journalism

JOUR 5033 Community Journalism

A course to acquaint the student with the characteristics of journalism as practiced in small towns and cities and study the relationship of the news media to the other institutions of the town or city.

JOUR 5053 Mass Communication Seminar

Prerequisite: Permission of instructor. Studies of the relationship of mass communication to social, political, technical, and economic issues. Course content will vary. May be repeated for credit as JOUR 5053 when course content changes.

JOUR 5083 New Communication Technology

A study of and practice in the use of the developing technology of mass communication, including the social, legal and economic effects.

JOUR 5113 History of American Journalism

Prerequisite: Permission of instructor. A survey of the history of American journalism and mass media and their relationships to technical, economic, political, and other aspects of American society. May not be taken for credit after completion of JOUR 4113 or equivalent.

JOUR 5123 Laws of Communication

This course will familiarize the student with legal knowledge necessary for a communication specialist or working journalist. The course will attempt to identify case and statute law. It will also include in-depth research in particular legal matters. May not be taken for credit after completion of JOUR 4123, or equivalent.

JOUR 5163 Advanced Photography and Video

An introduction to advanced photographic techniques including color film processing, digital photography, and nonlinear editing. Various historic and current theories of visual journalism provide a substantive base for the application of techniques.

JOUR 5193 Communication Research Methods

Introduction to the methodologies of behavioral science applied to communication research including design measurement, data collection, and analysis. Explores the use of surveys, content analysis, focus groups, and experiments in studies of communication processes and effects. Students will complete a research project.

JOUR 5243 Journalism Writing Seminar

This course is designed to teach the fundamentals of news writing and fact-gathering for the mass media in a concentrated format. Emphasis will be on newspaper writing style, but the fundamentals will apply to broadcasting, news media, public relations, advertising, and other fields.

JOUR 6053 Media and Society

Prerequisite: SPH 5003, Human Communication Theory. Incorporates mass communication theory as well as the global nature of media operations while focusing on the relationship between mass media and society. Students will examine contemporary issues that confront media professionals together with the social responsibilities and ethical questions that attend such issues. The political, social, and governmental influences on media policies and practices will also be emphasized in addition to the effects of media on society and culture.

JOUR 6133 Multi-Media Publishing

Prerequisite: JOUR 5163, Advanced Photography and Video. Focuses on designing communication messages on the computer that combine several media and are interactive. Using the same software tools that are used in the multi-media industry, students learn to conceptualize, design, prepare, and program works for publication on CD-ROM and/or the WEB. Projects incorporate photographs, music, sound, video, and extensive user interactivity. Work in the course attempts to parallel product development in the real world multi-media industry.

JOUR (ART) 6163 Survey of 20th Century Photography

An investigation of the development of photography as a fine art or commercial art form or as a medium for social documentary. Fine art photography is emphasized with the work of significant advertising, commercial, and documentary photographers also included.

JOUR 6193 Journalistic Writing for Multi-Media
Introduction to writing for multi-media. Course explores the advantages, audiences, and various technologies before studying the formats and language appropriate for each medium. Students develop their writing skills through analysis and practice.

JOUR (ART) 6263 Survey of Photojournalism
An investigation of the development of photography as a journalistic medium and as a medium for social documentary. The work and working methods of major photojournalists from about the time of the American Civil War to the present will be examined along with the impact of photojournalism on modern society.

JOUR 6891-4 Independent Study
Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

JOUR 6996 Professional Project
Projects should be original work that is a manifestation of the student's multi-media expertise and reflect both a mastery of content with respect to a given topic as well as the technological skill to present the same in a multi-media format. All completed projects must include a written review of the literature and other materials relevant to the project. It is anticipated that the review will be substantive and comprehensive, and clearly indicate how the project builds on intellectual and journalistic traditions.

Liberal Arts

LA 6013 Introduction to the Liberal Arts
A study of the ideas, methods, and resources appropriate to the disciplines in the liberal arts.

LA 6213 Liberal Arts Colloquium
Seminar in a topic relevant to the liberal arts. Course content will vary. May be repeated for credit as LA 6213 if course content differs.

LA 6713 Liberal Arts Project
Completion of creative or research project. Grade received for successful completion of project is credit (CR).

Library Media

LBMD 6003 Selection of Instructional Materials
A study of the selection, evaluation, organization, and purchasing of instructional materials for the school library media center. The course includes a review of selection tools for identifying materials, determining suitability for specific grade levels, and establishing purchasing and teacher review procedures.

LBMD 6013 Reference Materials in the School Library Media Center
Study of the techniques of reference work, reference interviews, types of reference questions, selection of reference materials (print and non-print), and practice in their use with special emphasis on school library media centers. Networking for the purpose of sharing resources will receive emphasis in the course. Students will be required to do hands-on machine reference searches in addition to a research project.

LBMD 6023 Classification and Cataloging
Prerequisite: Nine hours of graduate study or permission of instructor. A study of the principles and competencies of cataloging and classification. Attention centered on the actual classification and cataloging of school library media center materials. Students will be required to do hands-on machine cataloging.

LBMD (ELED) 6403 Literature for Children and Adolescents
An in-depth study of printed and other types of materials available for use in the elementary grades and middle school. Emphasizes the selection and use of materials to stimulate and improve learning.

Mathematics

MATH 5103 Linear Algebra II
Prerequisite: MATH 4003 or consent of the department of mathematics. A continuation of MATH 4003 with emphasis on abstract vector spaces, inner product spaces, linear transformations, kernel and range, and applications of linear algebra. MATH 5103 may not be taken for credit after completion of MATH 4103 or equivalent.

MATH 5113 History of Mathematics
Prerequisite: MATH 2943. A study of selected topics from the history and nature of mathematics from ancient to modern times. Emphasis will be placed on the historical development of mathematics through a study of biographies of prominent mathematicians and the evolution of some important mathematical concepts. The fundamental role of mathematics in the rise, maintenance, and extension of modern civilization will be considered. May not be taken for credit after completion of MATH 4113 or equivalent.

MATH 5153 Applied Statistics II
Prerequisite: MATH 3153. This course is a continuation of Math 3153 with emphasis on experimental design, analysis of variance, and multiple regression analysis. Students will be required to design and carry out an experiment, use a current statistical software package to analyze the data, and make inferences based upon the analysis. Math 5153 may not be taken for credit after completion of Math 4153 or equivalent.

MATH 5173 Advanced Biostatistics
Prerequisite: An introductory statistics course or permission of instructor. This course will include analysis of variance, one factor experiments, experimental design with two or more factors, linear and multiple regression analysis, and categorical data analysis.

MATH 5273 Complex Variables
Prerequisite: MATH 2943. An introduction to complex variables. This course will emphasize the subject matter and skills needed for applications of complex variables in science, engineering, and mathematics. Topics will include complex numbers, analytic functions, elementary functions of a complex variable, mapping by elementary functions, integrals, series, residues and poles, and conformal mapping. May not be taken for credit after the completion of MATH 4273 or equivalent.

MATH 5293 Introductory Topology
Prerequisite: MATH 4253. Metric spaces, topological spaces, mappings, limit points, continuity, connectedness, and compactness. May not be taken for credit after completion of MATH 4293 or equivalent.

MATH 6023 Higher Order Thinking in Mathematics

Prerequisite: Permission of instructor. This course will provide mathematics teachers in grades five through college with examples of lessons incorporating methods appropriate for students with different learning styles. These lessons will emphasize the use of manipulatives, hands-on materials, cooperative learning techniques, and technology. Mathematical content will help teachers build mathematical connections and concepts across grade levels using concrete experiences and bridging to abstract understanding.

MATH 6123 Modern Geometry

Prerequisite: MATH 3123. A brief review of standard topics in Euclidean Geometry followed by a study of hyperbolic and elliptic geometries, projective geometry, and geometric topology.

MATH 6143 Number Theory

Prerequisite: MATH 3133. The standard topics in the theory of numbers, including divisibility, congruences, quadratic residues, and distribution of primes, continued fractions, and number theoretic functions.

MATH 6183 Introduction to Real Analysis

Prerequisite: MATH 4253. Study of real numbers, topology of the line and plane, sequences and series, and differentiation and integration.

MATH 6213 Methods in Teaching Middle School Mathematics

Prerequisite: Permission of the instructor. The course is an exploration of inductive teaching models, techniques, strategies, and research for teaching mathematics in the middle school. Emphasis will be placed on constructivist learning.

MATH 6323 Methods in Teaching Secondary Mathematics

Prerequisite: Permission of the instructor. The course is a study of materials, methods, and strategies for teaching mathematics in the secondary school. Emphasis will be placed on activity-based learning.

MATH 6881-3 Workshop

Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

MATH 6891-4 Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

MATH 6993 Thesis Research

Directed research on a thesis topic selected by the student in consultation with a supervising professor.

Middle Level Education

MLED 5013 Teaching the Young Adolescent

A study of developmentally appropriate curriculum, instruction, and pedagogy for teaching the young adolescent with an understanding of the historical perspective of middle schools and programs.

MLED 5033 Young Adolescent Growth and Development

Prospective middle level teachers will study the educational implications of the developmental period of young adolescence. An emphasis is placed on developmental characteristics of the young adolescent highlighting the role of the middle level teacher in promoting the healthy development of the young adolescent.

MLED 5043 Diversity in the Middle Level Classroom

Prospective middle level teachers will study the educational implications of the economic, cultural, racial and intellectually diverse middle level classroom.

Museum

MUSM(RP/ANTH) 5403 Interpretation/Education through Museum Methods

Prerequisites: Senior or Graduate standing, or permission of instructor. Museum perspectives and approaches to care and interpretation of cultural resources, including interpretive techniques of exhibit and education-outreach materials, and integrating museum interpretation/education into public school and general public programming. Class projects focus on special problems for managing interpretive materials in a museum setting. Graduate level projects or papers involve carrying out research relevant to the Museum's mission and relating to current Museum goals.

Music

MUS 5803 History of American Music: Jazz and Folk

An in-depth study of folk music and the relationship between these forms and American life. Research, aural activity, and analysis are used to explore a variety of musical forms, composers, and performers.

MUS 5881-3 Workshop in Music

Prerequisite: Permission of instructor. Course with variable credit designed to meet specific needs of participants. Each credit hour will require the equivalency of fifteen clock hours of instruction.

MUS 6891-4 Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Philosophy

PHIL 5093 American Philosophy

An examination of the main currents of American philosophical and religious thought from the earliest times to the present.

PHIL 6013 Philosophical Systems

A study of the major systems of philosophy in the context of various philosophical theories considered from epistemological, metaphysical, logical, and ethical points of view.

PHIL 6891-4 Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Physical Education

PE 6013 Principles of Physical Education

Prerequisites: PE 2523, PE 4103, and three credit hours of physical education pedagogy methodology, or approval by department head. Basic principles of physical education and their application to the physical education program. Major schools of philosophical thought, leaders, and forces affecting past and present development of physical education.

PE 6023 Curriculum Development in Physical Education

Prerequisite: three credit hours of pedagogy methodology or approval by department head. A comprehensive study of curriculum development in physical education.

PE 6033 Exercise Physiology

Prerequisites: PE 4033, PE 2653, and PE 3663 or approval of department head. A study of the physiological changes in the human organism which accompany physical exercise and the implication of the changes for physical education.

PE 6043 Psychology of Motor Learning

Prerequisites: PE 2653 and PE 3663, or approval by department head. Provides an understanding of psychological principles involved in motor performance.

PE 6053 Biomechanics

Prerequisites: PE 2653, PE 3663, algebra or general mathematics, and physical science or physics, or approval by department head. The application of physics as it relates to human movement. Specific emphasis will be made on the mechanics and common injuries involved with selected sport or work related movements.

PE 6073 Exercise and Sport Behavior

Prerequisites: PE 4513 or approval by department head. The course provides an in-depth view of the psychological aspects of human behavior in sport and exercise settings.

PE 6083 Research Design and Statistics in Physical Education

Prerequisites: PE 4523 or approval by department head. Designed to familiarize the student with research literature, techniques, and statistical procedures used in physical education today.

PE 6881-3 Workshop

Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

PE 6891-4 Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

PE 6993 Thesis Research

Directed research on a thesis topic selected by the student in consultation with a supervising professor.

Physical Science

PHSC (BIOL) 5003 History and Philosophy of Science

A course in the historical development and philosophical basis of modern science. May not be taken for credit after completion of PHSC (BIOL) 4003 or equivalent.

PHSC 6023 Concepts of Mining and Minerals Technology

Topics to be covered include geology of the mineral producing regions, Arkansas minerals, aspects of mineral economics, mining techniques, operations and equipment, mineral processing and use of minerals, mining law, mining health and safety, mine land reclamation, and the needs for mineral research. \$5 laboratory fee.

PHSC (BIOL) 6813 Science, Technology, and Human Values

Prerequisite: Bachelor's degree in one of the physical sciences. (Note: Those lacking such degree should enroll in LA 6813). An interdisciplinary introduction to the role of science and technology in shaping world views and addressing societal problems. Team taught by scientists and humanists.

PHSC 6881-3 Workshop

Prerequisite: EDFD 6003 or permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

Physics

PHYS 6054 Concepts of Physics

Prerequisite: Eight hours of physics or consent of instructor. A study of mechanics, simple machines, heat, sound, wave motion, electricity, magnetism, light, and modern physics. Special emphasis will be placed on those aspects of lecture and laboratory most germane to the teaching of science in grades 7-12. The course will consist of lecture, laboratory demonstrations, and laboratory exercises that can be done using equipment available in most area high schools. \$5 laboratory fee.

Political Science

POLS 5103 Environmental Politics

Prerequisite: POLS 2013 recommended. An examination of environmental issues from a policy perspective. Although scientific questions are involved, emphasis is on the political process of environmental issues. Topics discussed include the actors, their power, limits to their power, and their impact on the environmental policy process. May not be taken for credit after completion of POLS 4103 or equivalent.

POLS 5403 Current Issues in Global Politics

Prerequisites: POLS 2013, POLS 3413 recommended. Contemporary issues in global politics studied through participation in ICONS, an international intercollegiate computer simulation network. One country will be studied in depth as a vantage point from which to assess global affairs. May not be taken for credit after completion of POLS 4403 or equivalent.

POLS (HIST) 5981-3 Social Sciences Seminar

A directed seminar in an area of social sciences. The specific focus will depend upon research under way, community of student need, and the unique educational opportunity available. Course requires the production of substantial written work based upon disciplined inquiry and the exploration and analysis of primary and secondary sources. Students are limited to a maximum of 3 hours credit at the graduate level. Subtitle will appear on students' transcripts.

POLS 6003 Seminar in Recent American National, State, and Local Government

An investigation of selected governmental trends and problems in the contemporary United States with analysis of their social and economic ramifications.

POLS 6403 Seminar in Contemporary Foreign Policy and International Politics

Selected topics on the principles of international politics and/or the contemporary foreign policies of various major powers in Europe, Asia, Africa, and the Americas.

POLS 6891-4 Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Psychology

PSY 5013 History of Psychology

Prerequisite: Graduate standing in psychology or instructor and graduate director permission. A survey of the developments in psychology from the ancient Greeks to the emergence of psychology as a modern experimental science.

PSY 5033 Psychological Tests and Measurements

Prerequisite: Graduate Standing in psychology or instructor and graduate director permission. Theory of psychological testing, statistical procedures and training in administration, scoring, and profiling of various tests of ability, achievement, interests, and personality.

PSY 5043 Social Psychology

Prerequisite: Graduate standing in psychology or instructor and graduate director permission. A study of the factors that influence the attitudes, behaviors, and cognition of the individual with a special emphasis on interactions among people.

PSY 5053 Psychology of Perception

Prerequisite: Graduate standing in psychology or instructor and graduate director permission. The study of general perceptual processes. While the main senses will be covered, emphasis will be placed on visual functioning. The role of perception in organismic adaptation will be explored.

PSY 5073 Cognitive Psychology

Prerequisite: Graduate standing in psychology or instructor and graduate director permission. A study of the basic principles of mental processes and their influences on behavior. Specifically, the course focuses on the conscious and unconscious processes involved in the acquisition, storage, transformation, and use of knowledge.

PSY 6013 Advanced Statistics

Prerequisite: PSY 2053 or equivalent and graduate standing in psychology or instructor and graduate director permission. An advanced study of the concepts and techniques in descriptive and inferential statistics. Emphasis placed on the application of statistics and psychological research.

PSY 6023 Research Design

Prerequisite: PSY 6013 or equivalent and graduate standing in psychology or instructor and graduate director permission. An advanced treatment of the design and analysis of psychological research. Emphasis on the logical foundations of experimental design.

PSY 6033 Personality Testing

Prerequisite: Psy 6013 or equivalent and graduate standing in psychology or instructor and graduate director permission. Application of selected assessment devices. Emphasis on various objective tests including theoretical assumptions, scaling techniques, profile interpretation, and critical research topics.

PSY 6043 Psychopathology

Prerequisite: Graduate standing in psychology or instructor and graduate director permission. Surveys classical and contemporary trends and theories of psychopathology; including methods, validity, and utility of classificatory schemes, properties of various disorders, as well as related assessment and treatment procedures.

PSY 6053 Advanced Development Psychology

Prerequisite: Graduate standing in psychology or instructor and graduate director permission. Evaluation and assessment of the logical and empirical adequacies of modern theories of psychological development in relation to the maturation process of individuals.

PSY 6063 Advanced Physiological Psychology

Prerequisite: Graduate standing in psychology or instructor and graduate director permission. An in-depth analysis of topics in physiological psychology. Emphasis is placed upon functional neuroanatomy of mammals to provide for understanding of systems for neural control of perception, orientation, motivation, learning, and complex processes.

PSY 6073 Personality Dynamics and Theories

Prerequisite: Graduate standing in psychology or instructor and graduate director permission. An examination of selected writings and research of major personality theories.

PSY 6083 Seminar in Psychology

Prerequisites: PSY 6013, PSY 6023, 9 hours of PSY at the 5000-6000 level, and permission of the department. Concentrated analysis of a particular problem in psychology. Emphasis is placed upon the evaluation of current research and theory in the development of research ideas by the student. Topics to be determined by the Graduate Faculty Committee and the Director of the Graduate Program in Psychology.

PSY 6091-6 Advanced Field Placement

Prerequisites: Successful completion of 30 graduate hours in psychology, 6 hours of thesis, and mutual consent of the faculty advisor, department, and industry supervisor. The course is a jointly supervised field placement in an area diagnostic or treatment facility. Emphasis is on an integration of theory, methods, and graduate training, with on-the-job experience. The placement is designed for students who are considering work in facilities which provide psychological and/or social services. **The purchase of Professional Liability Insurance is required.**

PSY 6881-3 Workshop

Prerequisite: EDFD 6003 or permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

PSY 6891-4 Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

PSY 6993-6 Thesis Research

Prerequisite: Graduate standing in psychology and permission of thesis advisor. Directed research on a thesis topic selected by the student in consultation with a supervising professor.

Recreation and Park Administration

RP (MUSM/ANTH) 5403 Interpretation/Education through Museum Methods

Prerequisites: Senior or Graduate standing, or permission of instructor. Museum perspectives and approaches to care and interpretation of cultural resources, including interpretive techniques of exhibit and education-outreach materials, and integrating museum interpretation/education into public school and general public programming. Class projects focus on special problems for managing interpretive materials in a museum setting. Graduate level projects or papers involve carrying out research relevant to the Museum's mission and relating to current Museum goals.

Rehabilitation Science

RS 6163 Substance Abuse

An in-depth study of the theoretical explanations for addiction will be carried out using the seminar approach. These theories will also be examined for implications for intervention in rehabilitation and prevention settings.

RS 6891, 2, & 4 Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Secondary Education

SEED 5013 Teaching in the Middle School

Methods and procedures in teaching in the middle school. Includes individualization of instruction and interdisciplinary teaching for middle school students. May not be taken for credit after completion of SEED 4013.

SEED 5063 Educators in Industry

A course devoted to career awareness in relation to the modern workplace. It is conducted in cooperation with local businesses and industries. The course involves research, on-site instruction, and work experience.

SEED/ELED 5333 Teaching Reading and Study Strategies in the Content Area

This course is designed to provide pre-service and in-service teachers and administrators with a knowledge of reading factors as they relate to various disciplines. Content of the course includes estimating students' reading ability, techniques for vocabulary, questioning strategies, and developing reading-related study skills.

SEED 6881-3 Workshop

Prerequisite: Permission of instructor. The workshop will require the equivalency of fifteen clock hours of instruction per credit hour.

SEED 6891-4 Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

SEED 6991 Thesis Research

Directed research on a thesis topic. If the six-hour thesis (SEED 6993 and 6993 in the student's area of specialization) has not been completed during the semester(s) of enrollment, the student must register for SEED 6991 during subsequent semesters in which he/she is receiving faculty assistance with the thesis and/or using University library facilities.

SEED 6993 Thesis Research

Directed research on a thesis topic selected by the student in consultation with a supervising professor.

Sociology

SOC 6003 Sociology for Educators

Designed for those with limited background in sociology, this course surveys basic concepts, research methods, and core areas of sociology including culture, social structure, social self, deviance, stratification, and social change. Special emphasis will be on the educational institution.

SOC 6891, 2 & 4 Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Speech

SPH 5003 Human Communication Theory

This communication theory class integrates learning about speech communication in various contexts. It is an in-depth study of contemporary and traditional perspectives of human communication, and synthesizes major concepts in human communication theory development. May not be taken for credit after the completion of SPH 4003.

SPH 5053 Speech Communication Seminar

A course for both majors and non-majors who want to investigate the relationships between human communication and contemporary social, political, and economic issues. May not be taken for credit after the completion of SPH 4053 unless the topics differ.

SPH 5063 Organizational Communication

Theories and practices of organizational communication are examined from a critical and historical perspective. Issues related to the personal, relational, cultural, group, business, global, and ethical dimensions of everyday communication practices are analyzed. Includes lecture, discussion, research, and group projects. May not be taken for credit after the completion of SPH 4063.

SPH 5073 Directing Forensics

Prerequisites: Oral Interpretation, Argumentation, Public Speaking and/or consent of the instructor. Practical study and training to lead to the planning of activities, directing competitive events, and administration of a forensic program on the high school level. May not be taken for credit after completion of SPH 4073 or equivalent.

SPH 5123 Rhetorical Criticism

This course will provide the principles of rhetorical theories as they have developed throughout history and apply them to the critical analysis of various communication events. May not be taken for credit after the completion of SPH 4123.

SPH 5153 Persuasive Theory & Audience Analysis

Survey of classical and social science theories of persuasion. Particular emphasis is given to analysis of persuasive strategies, preparation of persuasive appeals, ethics of persuasion, and audience analysis. A consideration of social movements and persuasive campaigns is also included.

SPH 6891-4 Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Teaching English to Speakers of Other Languages

TESL 5023 Tesol Second Language Acquisition

This course provides an introduction to the major theories of language acquisition and their applications to the instruction of ESL students. (Required for the ESL Endorsement in Arkansas)

TESL 5703 Tesol Methods - Teaching English as a Second Language

This course is an introduction to the methodology in teaching listening, speaking, reading and writing English, as well as core content, to ESL students. (Required for the ESL Endorsement in Arkansas)

TESL 5713 Tesol Assessment

This course is an introduction to ESL assessment strategies and tools, the design and evaluation of classroom tests, and the design and use of alternative assessment strategies and tools. (Required for the ESL Endorsement in Arkansas)

TESL 5723 Tesol Teaching People of Other Cultures

This course provides an introduction to issues in language and culture, including sociolinguistic variations due to age, sex, social class, ethnicity. (Required for the ESL Endorsement in Arkansas)

TESL 6003 Linguistics

Prerequisite: TESL 5023, TESL 5703, TESL 5713, and TESL 5723. Examination of phonology, syntax, and semantics in a variety of languages, including the study of language changes, as well as regional and social variations. This course will provide students with linguistic insights into language usage, writing, reading, spelling, and vocabulary.

TESL 6013 Modern English Grammar and Usage

Prerequisite: TESL 5023, TESL 5703, TESL 5713, and TESL 5723. Investigation of the structure of the systems of American English as it applies to teaching and learning of English as a second language. Emphasis will be on practical usage. Emanation of English grammar, mechanics, and usage; rules of punctuation, spelling, syntax, and usage related to oral and written production of English.

TESL 6023 Language and Society

Prerequisite: TESL 5023, TESL 5703, TESL 5713, and TESL 5723. Examination of the interrelationship of language, culture, and non-verbal communication and the role each of these plays in shaping thoughts and attitudes. Students will also investigate the interactions among language, social institutions, cultural beliefs, and individual behavior and the language variations associated with geography, socio-economic class, age and gender.

TESL 6033 Tesol Methods: Oral Communications

Prerequisite: TESL 5023, TESL 5703, TESL 5713, and TESL 5723. Examination of content and methodology in teaching listening, speaking, and pronunciation to diverse groups of ESL students.

TESL 6043 Tesol Methods: Written Communication

Prerequisite: TESL 5023, TESL 5703, TESL 5713, and TESL 5723. Examination of content and methodology in teaching reading, writing, and grammar to diverse groups of ESL students.

TESL 6053 Tesol Assessment Strategies

Prerequisite: TESL 5023, TESL 5703, TESL 5713, and TESL 5723. Examination of theory and practice in the design and evaluation of classroom tests and other assessment tools. Examination of the role of testing; survey of types of tests; criteria of tests; analysis of the tasks that require either listening, speaking, reading, writing, and the levels of communicative competence necessary to complete such tasks successfully; and evaluation of the appropriateness of various tests for ESL students.

TESL 6066 Public School Experience

Prerequisite: Completion of the required 30 hours of graduate courses needed for the MA degree. Supervised practical experience in the public school setting under the supervision of an ESL coordinator at the site and TESOL program director. The practicum curricular modifications and instructional practices resulting in the academic progress of the learners.

TESL 6076 Intensive English Internship

Prerequisite: Completion of the required 30 hours of graduate courses needed for the MA degree. Supervised practical experience in an Intensive English Program under the supervision of the director of the program and the TESOL program director. The internship is one semester long. The practicum teacher will document appropriate curricular modifications and instructional practices resulting in the progress of the Intensive English learners.

TESL 6086 Overseas Internship

Prerequisite: Completion of the required 30 hours of graduate courses needed for the MA degree. Supervised practical experience in an overseas English program under the supervision of the director of the program and the TESOL program director. The internship is one semester long. The practicum teacher will document appropriate curricular modifications and instructional practices resulting in the progress of the English learners overseas.

Teaching, Learning and Leadership

MTLL 6003 School Organization and Leadership for Teacher Leaders

This course will examine how schools are organized and supported from the federal level to the local school. The concepts of leadership and its role at all levels will be a focal part of this study. Students will begin to examine their leadership style and dispositions.

MTLL 6113 Action Research and Data Analysis for School and Classroom Use

This course will focus on the analysis of data with emphasis on student achievement and whole school accountability. Data driven decision-making will be examined. Students will look at research methodologies with a focus on action research and the role of the leader in facilitating action research in the field.

MTLL 6123 Instructional Leadership for the Master Teacher

This course will focus on the "hard and soft" skills of instructional leadership. The teaching and learning process will be the focus of student work. Students will learn how to observe and coach for excellence in teaching and learning. The reflective practice model will serve as a basis for theory and skill development.

MTLL 6133 Basic Elements of Curriculum

This course will focus on national, state, and local curriculum standards. Students will gain an understanding of the alignment issues of curriculum, instruction, and assessment as they prepare a curriculum artifact based on the principles of curriculum.

MTLL 6143 Organizational Change and the Role of the Master Teacher

This course will examine theories of change looking at research and case studies of first and second order change. Students will gain strategies as leaders of change as schools work to move closer to higher performance. Students will study a current change taking place in a school.

MTLL 6152 Professional Portfolio for the Master Teacher

This course will examine the role of the student portfolio and the teaching portfolio. The main focus will be the professional portfolio for the candidate's completion of their degree program.

MTLL 6202 Professionalization of Teaching for the Master Teacher

This course will examine the philosophies and historical perspectives of education for the purpose of reflection on individual teaching and learning practices. Students will purposefully explore and define who they are as a master teacher and what core beliefs impact teaching and learning in their classroom.

MTLL 6223 Teaching and Learning for the Master Teacher

This course will explore theories and best practices that can lead to improved student performance.

MTLL 6242 Cognitive Coaching and Mentoring for the Master Teacher

Students will develop the necessary skills that will enable the master teacher to be a peer learning coach and mentor for the inductee, peer, and/or marginal teacher.

MTLL 6253 Advanced Curriculum Design Practicum for the Master Teacher

This course will focus on advanced methods of curriculum design. The role of the teacher leader in the curriculum development process will be explored and acquisition of the skills necessary to facilitate, implement, assess, and sustain the process will be learned.

MTLL 6262 Action Research Practicum for the Master Teacher

This course will focus on the implementation of the student action research design, developed in the initial research course, Action Research and Data Analysis for School and Classroom Use. Analysis of field data from this research will be aggregated with emphasis on student achievement. Effective communication of the research results to various audiences will also be explored.

MTLL 6271 Resource Acquisition for the Master Teacher

This course will provide the opportunity for students to discuss, explore, and acquire skills that will supplement means to augment classroom resources in addition to the allocated budget.

Theatre

TH 5283 Children's Theatre: Techniques and Practicum

Summer. Prerequisite: Consent of instructor. The philosophy of teaching acting to children, in theory and practice. The course is designed for drama majors, teachers, and others interested in child development. The semester equivalent of two hours of class lecture is combined with the semester equivalent of two hours of supervised laboratory experience in a children's theatre setting. May not be taken for credit after completion of SPH 4283 or equivalent.

TH 5313 Theatre History III -- 1900 to 1960

A study of European and American theatre during the first part of the twentieth century, including movements such as realism, symbolism, expressionism, epic theatre, and theatre of the absurd, and playwrights such as Ibsen, Chekhov, Strindberg, Maeterlinck, Shaw, Brecht, O'Neill, Williams, Lonesco, and Beckett. May not be taken for credit after completion of TH 4313 or equivalent.

TH 5323 Theatre History IV -- 1960 to the Present

A study of European and American theatre during the last four decades of the twentieth century, including movements such as postmodernism, political/didactic theatre, feminist theatre, neorealism, new comedy, and collective creation, and playwrights such as Mamet, Wilson, Stoppard, Shepard, Churchill, Henley, Simon, Rabe, Havel, and Fugard. May not be taken for credit after completion of TH 4323 or equivalent.

TH 5503 Scene Design

Prerequisite: TH 3513 or permission of instructor. A study of the elements of design for the stage, from conception to finished production models, focusing on line, form, mass, and color. May not be taken for credit after completion of TH 4503 or equivalent.

TH 5506 High School Play Production

This course will provide basic information in lighting, sound design, set design and construction, make-up, costume design and construction, stage management, directing, and improvisational techniques. This course is aimed at certified teachers who are returning to school for additional training and is designed to meet area needs. May not be taken for credit after completion of TH 4506 or equivalent.

TH 5983 Theatre Seminar

Prerequisite: Twelve hours in theatre or consent of instructor. A directed seminar dealing with a selected topic in theatre studies. May be repeated for credit for different topics.

TH 6891-4 Independent Study

Open to graduate students who wish to pursue individual study or investigation of some facet of knowledge which complements the purpose of the University's graduate program. Students will be required to plan their studies and prepare formal written reports of their findings. The selected topic may not constitute any duplication of study leading to the accomplishment of a thesis.

Vocational Business Education

VOBE 5023 Methods of Teaching Vocational Business

A methods course designed to prepare the beginning business educator for effective teaching in the contemporary vocational business education classroom. Teaching methodologies for the business education occupational clusters are presented and practiced.

VOBE 5053 Technology Methods for Business Education

A course in technology education focusing on methods and hands-on activities utilized in secondary Business Education programs with emphasis on hardware, software, and program development. May not be repeated for credit as VOB 4053 or equivalent.

VOBE 5063 Educators in Industry

A course devoted to career awareness in relation to the modern workplace. It is conducted in cooperation with local businesses and industries. The course involves research, on-site instruction, and work experience.

VOBE 5093 Directed Vocational Work Experience

Admission by consent of instructor and advisor's recommendation. A course for business teachers or business education students who desire or need practical, on-the-job experience in areas related to the vocational business education curriculum; designed to provide practical experience in a structured, supervised setting. May not be taken for credit after completion of VOB 4093 or equivalent.

VOBE 6881-3 Technology Workshop

A course for business teachers who desire to upgrade office technology skills. Emphasis will be on methods of teaching and developing instructional materials. Hands-on computer applications will comprise a major portion of the course. Areas covered include microcomputer applications, business data processing, word processing, computerized accounting, and records management. Specific areas will be emphasized as new technology is available.

Wellness Science

WS 6013 Wellness Concepts and Applications

The course provides the advanced student the opportunity to explore cognitive health and wellness information relevant in our global community. Emphasis will be placed on application in behavior and behavior change.

WS 6023 Wellness and Fitness Program Management

The course provides the advanced student the opportunity to explore the management of wellness and fitness programs in society. Emphasis will be placed on the development of skills which enable wellness and fitness programs to be successful.