
COURSE DESCRIPTIONS

ACCOUNTING

ACT 6625, 6626, 6627 Specialized Study in the Area of Accounting (1-3)

Study of problem or problems using research techniques. Selection of the problem must be approved by the student's adviser, instructor under whom the study is to be made, and the appropriate dean or branch director. The study must contribute to the student's program. Preparation of a scholarly paper is required and may involve an oral defense. Total credit for any combination of enrollments in these courses may not exceed six semester hours. A specialized study may be substituted for a required course only once in a student's program. See semester hour limits listed under Course Restrictions in the General Regulations section.

ACT 6691 Managerial Accounting (3)

A study of sources and classifications of accounting data, classification and behavior of revenues and costs, use of accounting data for profit planning and cost control, and use of accounting data for special analysis. *Prerequisite: MBA 5502 or equivalent.*

ACT 6692 Advanced Accounting Problems (3)

A consideration of problems relating to pension plans, long-term leasing arrangements, refunding of bonds payable, stock options, allocation of income taxes, changing price levels, cash flow statements, and other financial accounting topics with emphasis on relevant pronouncements by professional organizations and governmental agencies.

ACT 6694 Income Tax Research (3)

An advanced study of selected topics in the Internal Revenue Code and Regulations with the emphasis on tax research. The course covers individual, partnership, corporations as well as estate and gift taxes.

ACT 6695 Accounting Research and Communication (3)

An individual study of specific accounting topics and written and oral communication of the results of the study.

ACT 6696 Accounting Information Systems (3)

An advanced study of accounting information systems concepts and applications. Case studies will provide the students an opportunity to relate systems concepts to the

actual problems encountered in the analysis, design, implementation, and utilization of computer-based information systems.

ACT 6698 Advanced Auditing (3)

An examination of the AICPA's professional standards and techniques of reviewing and appraising the various functions of an organization with the objective of reporting on the opportunities for improvement and the deficiencies disclosed. Emphasis on the effectiveness of internal control structure and operating procedures.

ACT 6699 Contemporary Issues in Accounting (3)

A study of the recent growth of accounting theory, as influenced by regulatory agencies, economic conditions, and professional accounting organizations.

ADULT EDUCATION

ADE 5560 Instructional Systems Development (3)

This course emphasizes systematically developed course design. Special attention is given to learning and instructional systems theory.

ADE 6600 Foundations of Adult Education (3)

An overview of adult education to give an understanding of characteristics of adults as learners as well as the history, philosophy, and nature of adult education. Includes exposure to fundamental adult education concepts such as lifelong learning, self-directed learning, and contract learning.

ADE 6605 Computer Based Instructional Technologies (3)

This graduate level advanced survey course is designed to prepare students to use classroom adaptable technologies. Emphasis is given to historical and social context, computer systems, software, hardware, and curriculum adaptation.

ADE 6606 Current and Emerging Instructional Technologies (3)

This course focuses on current and emerging instructional technologies. The emphasis of this class is on the instructional use of production software, desktop publishing, graphics, hypermedia, on-line services, optical technology, and telecommunications. *Prerequisite: ADE 6605 or permission of instructor.*

ADE 6608 Curriculum Integration of Technology (3)

The purpose of this course is to prepare students to apply knowledge and competency in instructional technologies in relation to curriculum design, diverse models, and teaching situations at all developmental levels. Included is evaluation of software, audio/visual production, and instructional design using technology as a basis for instruction.

ADE 6617 Seminar in Personnel Planning and Leadership (3)

A study of literature and research pertinent to adult education in areas of planning and leadership.

ADE 6620 Seminar in Communication and Human Relations (3)

An investigation of literature and research related to verbal and nonverbal communication, listening, and human relations appropriate to adult education.

ADE 6630 Programs for Adult Education (3)

A study of current concepts and objectives of adult education programs, courses and activities. Includes study of adult education programs and agencies serving diverse adult learners.

ADE 6653 Educational Evaluation (3)

The course presents basic procedures useg sures[(y)-6.tctThe t5r

BIOLOGY

BIO 5502 Spring Flora (4)
A survey of vascular plants from different

Prerequisites: genetics, cell biology, organic chemistry. Co-requisite: BIO L533

BIO L533 Embryology Lab (1)
A study of embryonic development of vertebrates as illustrated by the frog, chick, and pig. Lab includes experimental investiga-

- BIO 6662 Invasive Species Biology (3)**
 This course will familiarize students with the principles of ecological invasions and factors affecting the spread and impacts of invasive species. Students will also become familiar with major sources of exotic species introductions, and methods available for prevention and control. *Prerequisite: None*
- BIO 6664 Restoration Ecology (3)**
 An introduction to ecological approaches toward reconstruction of degraded or destroyed ecosystems. Ecological basis of creating self-sustained ecosystems. Planning, implementing and assessing restoration programs. Economic and social context of restoration. *Prerequisites: An ecology course and one year of general chemistry.*
- BIO 6665 Sustainable Development (3)**
 This course will increase student awareness of sustainability issues concerning the future survival of human and other organisms on the planet. The course specifically covers the following: biological diversity trends, human population growth, agriculture and food consumption issues, water use and supplies, global warming and effects on biological diversity, sustainable fisheries, forest products and services, and other issues. *Prerequisites: None*
- BIO 6670, 6671 Special Topics (1-4)**
 Specialized topics not generally included in course offerings. A maximum total of 4 semester hours is allowed for program credit.

BUSINESS

- BUS 6610 Business Research Design (3)**
 Designed for the student to develop and demonstrate competency in business research methodology and techniques. This course teaches the MSM or MSHRM student proper research techniques and includes a research proposal. (A grade of "B" or better is required.)
- BUS 6612 Applied Business Research (3)**
 The study of applied research of business problems to develop managerial skills in the preparation and evaluation of a research project. (A grade of "B" or better is required.)

CHEMISTRY

- CJ 6640 Seminar in Law Enforcement (3)**
An in-depth examination of the various issues and problems currently being experienced in American policing.
- CJ 6644 Administrative Law (3)**
A study of the legal environment in which the public administrator functions. The process and procedures of administrative agencies including administrative discretion, rule-making, investigating, prosecuting, negotiating, and settling; constitutional law, statutory law, common law, and agency-made law. Liability of governments and their officers. Selected cases and decisions.
- CJ 6649 Statistics for Criminal Justice Research (3)**
This course provides a review of advanced statistical techniques with emphasis upon their application in a criminal justice setting.
- CJ 6650 Survey of Research Methods in Criminal Justice (3)**
An analysis of research strategies employed to study the causes of crime and the societal response to it. (A grade of "B" or better is required.)
- CJ 6652 Seminar in Corrections (3)**
An in-depth examination of the various issues and problems in corrections with a special emphasis relating to administration and management.
- CJ 6655 Selected Topics in Criminal Justice (3)**
An examination of a particular subject which is not offered under the normal course offerings. May be repeated (with different topics) for credit. See semester hour limits listed under Course Restrictions in General Regulations section.
- CJ 6660 Advanced Readings in Criminal Justice (3)**
This course is designed to allow beginning graduate students the opportunity to acquire a basic background in criminal justice literature. The readings will be in specific areas in criminal justice. May be repeated (with different topics) for credit. See semester hour limits listed under Course Restrictions in General Regulations section.
- CJ 6671 Organization Theory (3)**
An examination of the theories of modern criminal justice organization, including current trends and development.
- CJ 6692 Agency Experience (3)**
A supervised practice in an approved criminal justice agency. Reserved for students with no prior experience in a criminal justice setting.

- CJ 6693 Master's Project (3)**
An applied professional research project involving the analysis of a management or public policy problem, designed for the student who does not wish to write a thesis but nonetheless desires to prepare a major written work in the field of criminal justice.
- CJ 6694 Thesis Practicum (3)**
This course is designed to offer the student who elects to write a thesis an opportunity to review research strategies, initiate a literature search, and prepare preliminary drafts of the thesis. The student will receive a letter grade of "CR" until he/she has completed the thesis.
- CJ 6695 Thesis (3)**
The completion and oral defense of the thesis.

COMMUNICATION STUDIES

- COM 5531 Interpersonal Communication (3)**
A study of theories of Communication behavior in relatively unstructured face-to-face situations, including small-group discussion.
- COM 5541 Oral Interpretation (3)**
A study and application of the principles and practices of oral interpretation (reading) of literature, including individual and ensemble performance.
- COM 5542 Rhetoric (3)**
A study of the historical development of rhetorical theory in Western thought from the Classical to the Contemporary periods and its relationship to practice and criticism. The course includes opportunities for advanced public speaking and small group discussion.
- COM 6625, 6626, 6627 Specialized Study in Area of Speech Communication (1-3)**
(Total specialized study hours may not exceed six semester hours)
Under the supervision of the faculty course supervisor, the student may pursue an extensive study of a particular area which fits his/her academic needs but is not available in the regular curriculum. Each proposal must be approved the preceding term by adviser, course supervisor, and department chair. Total credit for any combination of enrollments in these courses may not exceed six hours. See semester hour limits listed under Course Restrictions in General Regulations section.

COUNSELING

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| CP | 5535 | <p>Treatment of Addictive Family Diseases (3)
 A study of typical characteristics of dysfunctional families. Provides the basis for suggested intervention techniques, appropriate areas of family education, and guidelines for effective therapy.</p> |
| CP | 5536 | <p>Treatment Theories and Modalities of Addictive Disease (3)
 A study of historical perspectives and the most effective treatment and assessment approaches of addictive diseases.</p> |
| CP | 6600 | <p>Professional Orientation and Ethics (3)
 An introductory course to the world of professional counseling. Course content includes historical overview, concepts, approaches, philosophy and development of the counseling profession. Professional roles, organizations, credentialing, legal/Ethical issues, and professional standards of care are covered.
 <i>Prerequisites: Recommended first course.</i></p> |
| CP | 6601 | <p>Legal, Ethical, and Professional Standards (3)
 This course assists counseling personnel in acquiring information and understanding necessary to effectively deal with legal, ethical and professional standards of the counseling profession.-</p> |
| CP | 6602 | <p>Seminar in the Prevention/Treatment of Chemical Dependency (3)
 An examination of specified issues which must be addressed to promote successful</p> |

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- CP 6638 Internship: Student Affairs Counseling (3)**
This course provides supervised student affairs counseling experiences in the college environment. The experience is accompanied by scheduled on-campus supervision with the university supervisor. Internship equals 300 clock hours, to include 120 hours of direct student affairs service. *Prerequisite: CP 6650*
- CP 6639 Internship: Student Affairs Counseling (3)**
This course provides supervised student affairs counseling experiences in the college environment. The experience is accompanied by scheduled on-campus supervision with the university supervisor. Internship equals 300 clock hours, to include 120 hours of direct student affairs service. *Prerequisite: CP 6638*
- CP 6641 School Counseling and Program Management (3)**
In this course students will study planning, designing, implementing, and evaluating a comprehensive developmental school guidance program. The school counselor's role as an advocate and school leader will be emphasized. Historical perspective, new academic achievement, guidance curriculum and ethical and le

professional counselor in an agency setting would be expected to perform. Experiences are accompanied by regularly scheduled, weekly group supervision. Course equals 300 hours of internship. Students may take up to six semester hours of internship per semester with adviser approval. Each student must complete 120 hours of direct service with clients. *Prerequisite: Completion of CP 6650 and adviser approval.*

CP 6660

Internship: Mental Health (3)

This course provides an opportunity for the student to perform under supervision a variety of activities that a regularly employed professional counselor in an agency setting would be expected to perform. Experiences are accompanied by regularly scheduled, weekly group supervision. Course equals 300 clock hours of internship. Students may take up to six semester hours of internship per semester with adviser approval. Each student must complete 120 hours of direct service with clients. *Prerequisite: Completion of CP 6650 and adviser approval.*

CP 6661

Internship: Mental Health (3)

This course provides an opportunity for the student to perform under supervision a variety of activities that a regularly employed professional counselor in an agency setting would be expected to perform. Experiences are accompanied by regularly scheduled, weekly group supervision. Course equals 300 clock hours of internship. Students may take up to six semester hours of internship per semester with adviser approval. Each student must complete 120 hours of direct service with clients. *Prerequisite: Completion of CP 6650 and adviser approval.*

CP 6662

Internship: Community Counseling (3)

This course provides supervised, on-the-job, experiences in Community Counseling. These field experiences are accompanied by weekly, on-campus, supervised sessions. Students must receive individual and group supervision. Course equals 300 clock hours of internship. Students may take up to six semester hours of internship per semester with adviser approval. Each student must complete 120 hours of direct service with clients. *Prerequisite: Completion of CP 6650 and adviser approval.*

CP 6663

Internship: Community Counseling (3)

This course provides supervised, on-the-job, experiences in Community Counseling. These field experiences are accompanied by weekly, on-campus, supervised sessions. Students must receive individual and group supervision. Course equals 300 clock hours of internship. Students may take up to six semester hours of internship per semester with adviser approval. Each student must complete 120 hours of direct service with

clients. *Prerequisite: Completion of CP 6650 and adviser approval.*

CP 6670

Internship: Rehabilitation Counseling (3)

This course provides supervised experience in a rehabilitation setting. The experience will be accompanied by scheduled on-campus supervision with the university supervisor. Course equals 300 clock hours of internship. Students may take up to six semester hours of internship per semester with adviser approval. Each student must complete 120 hours of direct service with clients. *Prerequisite: Completion of CP 6650 and adviser approval.*

CP 6671

Internship: Rehabilitation Counseling (3)

This course provides supervised experience in a rehabilitation setting. The experience will be accompanied by scheduled on-campus supervision with the university supervisor. Course equals 300 clock hours of internship. Students may take up to six semester hours of internship per semester with adviser approval. Each student must complete 120 hours of direct service with clients. *Prerequisite: CP 6670*

CP 6680

Seminar: Counseling Approaches to Working with Hearing Impairment (3)

This course is taken in conjunction with the practicum/internship in rehabilitation counseling, offers students an opportunity to apply medical, psychological and sociological research/techniques to counseling with individuals who are hearing impaired

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visually impaired. Strategies for consulting with various agencies, educating the general public, counseling with the visually impaired and their families as well as approaches for advocating for these populations will be explored. *Prerequisites: CP 6650, CP 6652, PSY 6653. Taken in conjunction with internship.*

- CP 6685 Case Management (3)**
A study of the case management process, including case findings, service coordination, referral and utilization of other disciplines, and client advocacy.
- CP 6686 Job Development and Placement (3)**
A study of the analysis of job development and placement in the rehabilitation process

- CS 5545 Computer Architecture (3)**
 Functional descriptions of the major components of digital computer architectures are explored, explored, such as arithmetic and control units, memory hierarchies, channels and characterizations and interactions of individual major components of small and large computers. Also included are mini-computer architectures, specialized computer architectures, and distributed data processing architectures. *Prerequisite: CS 3357, CS 3365 or CS 4445*
- CS 5547 Systems Analysis and Design 3**
 Introduction to information systems development process. Systems analysis methods, covering activities, tools, and techniques for requirements gathering, modeling and specification. Systems design methods, including activities, tools and techniques for design, with an emphasis on architecture, rapid development and prototyping, and detailed design. Introduces classical approaches such as information engineering as well as object-oriented analysis and design. (CS 4446 recommended)
- CS 5549 Analysis of Algorithms (3)**
 This course discusses various algorithms that solve searching, sorting, and cryptographic problems. There are many candidate algorithms to solve such problems. Tradeoffs involved when choosing an algorithm are discussed. Sorting algorithms such as merge, insertion, quick, and heap, search algorithms such as binary search tree, red-black tree, hashing, and B-Trees are discussed. *Prerequisite: CS 3323*
- CS 5550 Operating Systems Principles (3)**
 This course discusses what operating systems are, what they do, how they are designed and organized. Topics discussed include: process management (scheduling, intercommunication, synchronization, and deadlock handling), storage management (memory management and virtual memory management). I/O systems (hardware, interfaces, request-handling, performance issues). Applications of these concepts in modern operating systems such as Windows and Unix are presented. *Prerequisite: CS 3323*
- CS 6625, 6626, 6627 Specialized Study in Computer Science (1-3)**
 This course involves the study of a problem or problems using research techniques. Selection of a problem is to be approved by the student's advisor, instructor, college dean, and Dean of the Graduate School. The study should contribute to a student's program. Preparation of a scholarly paper is required and may involve an oral defense. Total credit for any combination of enrollments in the specialized study courses may not exceed three (3) semester hours. The course
- may not be substituted for a required course.
 See semester hour limits listed underD- (nderD- (ndJ0 -1.1v
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- CS 6699 Research and Thesis (1-6)**
 Guided research in Computer Science results in the preparation of a scholarly thesis. The thesis includes a discussion of the research design and methodology available to plan and conduct a systematic, thorough, critical, interpretive and analytical research in an area appropriate to the interest of the individual student and consistent with the degree program. The course requires students to prepare a thesis within guidelines provided by the faculty member and to defend it before a thesis committee.

DRAMA

- DRA 5543 Theatre History I (3)**
 A history of the theatre from the origin of tragedy through English drama of the 17th century. A study of dramatic literature and elements of the theatre designed to enhance the student's appreciation of contemporary Theatrical practices in the staging of the "classics".
- DRA 5551 Directing I (3)**
 Script analysis and directing principles with studies in the direction of contemporary scenes one-act plays.
- DRA 6625 Specialized Study in Area of Theatre (1-3)**
 Under the supervision of the faculty course supervisor, the student may pursue an extensive study of a particular area which fits his/her academic needs but is not available in the regular curriculum. Each proposal must be approved the preceding term by the student's advisor, the faculty course supervisor, and the department chair person. Total credit for any combination of Enrollments in these courses may not exceed six semester hours. See semester hour limits listed under Course Restrictions in General Regulations section.

EDUCATIONAL ADMINISTRATION

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EAL 7726 Specialized Topics in Educational Leadership (3)
An independent study of a problem or prob-

and methods learned in the course. All studies that deal with human subjects must be approved by their campus research review board. Class A Certification in Educational Administration is required.

- EAL 7795 Thesis: Problem Analysis Implementation (1-3)**
The purpose of this course is for students to implement the project or field study proposed in EAL 7794. Data will be collected, analyzed and summarized in writing. A summary of the project and recommendations for further study should also be submitted. The faculty adviser may require the student to defend the study before a faculty committee. The course is designed to prepare educational leaders with research knowledge that supports informed reflective decisions in diverse educational settings. Class A Certification in Educational Administration is required.

ENVIRONMENTAL AND BIOLOGICAL SCIENCES

- EBS 5513 Limnology (3)**
The physical, chemical, geological, and biological aspects of freshwater ecosystems as influenced by activities in surrounding watersheds. *Prerequisite: general biology. Co-requisite: EBS L513*
- EBS L513 Limnology Lab (1)**
Field and laboratory exercises in lake and stream science, including instrumentation, measurement, sampling, and analysis. *Co-requisite: EBS 5513*
- EBS 5516 Microbial Ecology (3)**
The study of the diversity and ecology of microbial populations in ecosystems, with the emphasis on the roles that they play in biogeochemical cycles, their contributions to metabolic diversity, their interactions with animals and plants, their niches and bioremediation. *Prerequisites: microbiology, organic chemistry. Co-requisite: EBS L516*
- EBS L516 Microbial Ecology (1)**
Microbial ecology laboratory techniques including isolation, identification, and enumeration of microorganisms from aquatic and terrestrial environments. *Co-requisite: EBS 5516*
- EBS 5520 Field Vertebrate Zoology (4)**
The basics of vertebrate identification, with emphasis on phylogeny, anatomy, morphology, life histories, habitats, distributions, and conservation. *Prerequisites: general biology, general chemistry*
- EBS 5521 Population Ecology (3)**
A study of animal and plant populations, food supply, competition, disease, fecundity, distribution, and other environmental factors. Management of endangered species and protected ecosystems are included. *Prerequisites: general ecology, genetics, general chemistry, statistics. Co-requisite: EBS L521*
- EBS L521 Population Ecology Lab (1)**
Field exercises in identifying ecological problems, formulating and testing hypotheses, and evaluating data using standard statistical methods. *Co-requisite: EBS 5521*
- EBS 5525 Field Botany (4)**
A survey of vascular plants from different habitats in southeast Alabama. Principles of plant taxonomy, including history and systems of classification and nomenclature, the use of dichotomous keys, and general herbarium techniques. Emphasis is placed on plant identification and habitat types. *Prerequisites: general biology, general ecology*
- EBS 5530 Applied Genetics (3)**
Advanced studies in genetics with emphasis on cytogenetics and molecular genetics. *Prerequisites: genetics, organic chemistry. Co-requisite: EBS L530*
- EBS L530 Applied Genetics Lab (1)**
An introduction to procedures and equipment used in the study of cytogenetics and molecular genetics. *Co-requisite: EBS 5530*
- EBS 5550 Environmental History of the U.S. (3)**
An introduction to environmental history of the United States from the 18th century to the late 20th century, emphasizing the post World War II period. The course will focus on the historical development of the science of ecology, the origins of environmental problems and solutions attempted by government and experts, as well as responses by grassroots activists over time.
- EBS 5551 Toxicology (3)**
A study of the principles related to the adverse effects of chemicals on living organisms. *Prerequisite: organic chemistry. Co-requisite: EBS L551*
- EBS L551 Toxicology Lab (1)**
Assessment of terrestrial and aquatic toxicity of chemical agents following standard protocols. *Co-requisite: EBS 5551*
- EBS 5552 Industrial Hygiene (3)**
Identification and correction of chemical, biological, and physical hazards in and around the workplace. *Prerequisite: organic chemistry. Co-requisite: EBS L552*
- EBS L552 Industrial Hygiene Lab (1)**
Methods and procedures for sampling, ana-

		lyzing, and evaluating chemical, biological, and physical agents in the workplace. <i>Co-requisite: EBS 5552</i>			ment, including planning, organizing, and conducting programs.
EBS	5576	Special Topics (1 to 4 credit hours per course per semester) Specialized topics not generally included in course offerings. <i>Prerequisite: Permission of instructor</i>	EBS	6611	Global Pollution and International Environmental Policy (3) An examination of global environmental issues, such as global climate change, ozone depletion, and acid precipitation. This course also deals with alternatives in developing global policies and treaties to address these problems.
EBS	5578	Cell Biology (3) This course covers cell structure and function with the emphasis on biochemical and molecular mechanisms. Topics include signal transduction, cytoskeleton, intracellular compartments, cell movement, differentiation, and recognition. <i>Prerequisites: genetics, microbiology, organic chemistry. Co-requisite: EBS L578</i>	EBS	6612	Environmental Impact Studies/Risk Management (3) An examination of practices used in analysis of land, water, and air to determine the impact of human activities such as construction, mining, clearing, and industrial operation. Planning approaches and ecological constraints, economic evaluation, and quantitative approaches to predict impact.
EBS	L578	Cell Biology Lab (1) Experimental approaches for studying cells at the biochemical and molecular levels. <i>Co-requisite: EBS 5578</i>	EBS	6615	Environmental Law, Permitting, and Regulatory Compliance (3) A study of the steps needed and programs required to insure that public and private sector organizations are in compliance with federal and state environmental regulations. <i>Prerequisites: An undergraduate ecology or environmental course, or approval of adviser.</i>
EBS	5582	Molecular Biology (3) A study of the fundamental principles of chromosomal organization and gene expression, with emphasis on the structure and function of nucleic acids and proteins. <i>Prerequisites: genetics, microbiology, organic chemistry. Co-requisite: EBS L582</i>	EBS	6617, 6618	Seminars in Environmental and Biological Sciences (1) Presentations on interdisciplinary principles and concepts, current issues, and new studies and research from a variety of fields, with environmental science serving as a unifying theme. Faculty members and outside speakers will present guest lectures. Candidates for the master's degree in the thesis option will present their research findings and conclusions.
EBS	L582	Molecular Biology Lab (1) Experimental approaches in molecular analyses of nucleic acids and proteins, with the emphasis placed on common techniques utilized in clinical and research settings. <i>Co-requisite: EBS 5582</i>	EBS	6620	Field Protistology (4) An advanced stud0781 126736.9(0781 126736.9(0781 ologi
EBS	6600	Aquatic Entomology (3) A study of the morphology, physiology, taxonomy, life histories, and ecology of aquatic insects. <i>Prerequisites: general biology, general ecology. Co-requisite: EBS L600</i>			
EBS	L600	Aquatic Entomology Lab (1) Classification and identification of immature and adult aquatic insects. A collection is required. <i>Co-requisite: EBS 6600</i>			
EBS	6601	Environmental and Biological Ethics (3) Examination of major ethical theories as they apply to environmental, biological, and medical issues. The linkage of ethics to decision-making in social, public, and business policy. Course develops skills in understanding value systems and framing ethical positions.			
EBS	6603	Environmental Management (3) Concepts and practices underlying procedures for environmental resource manage-			

familiar with major sources of exotic species introductions, and methods available for prevention and control. *Prerequisite: None*

- EBS 6664 Restoration Ecology (3)**
An introduction to ecological approaches toward reconstruction of degraded or destroyed ecosystems. Ecological basis of creating self-sustained ecosystems. Planning, implementing and assessing restoration programs. Economic and social context of restoration. *Prerequisites: an ecology course and one year of general chemistry*
- EBS 6665 Sustainable Development (3)**
This course will increase student awareness of sustainability issues concerning the future survival of human and other organisms on the planet. The course specifically covers the following: biological diversity trends, human population growth, agriculture and food consumption issues, water use and supplies, global warming and effects on biological diversity, sustainable fisheries, forest products and services, and other issues. *Prerequisites: None*
- EBS 6670, 6671 Special Topics (1-4)**

- ECE 6634 Inquiries into Logico-Mathematical Knowledge (3)**
The purpose of this course is to assist graduate students as they investigate and construct a deeper understanding about their own questions related to young children's construction of logico-mathematical knowledge and the facilitation and evaluation of that knowledge construction in the early childhood classroom. In addition, the students will interact with young children through observation and participation in the application of appropriate logico-mathematical knowledge experiences and the investigation and evaluation of children's construction of knowledge.
- ECE 6635 Program Evaluation in Early Childhood (3)**
This course is designed for the education student to examine evaluation in early childhood and elementary education programs. Techniques and procedures concerning the design and implementation of evaluation in the total school program will be investigated.
- ECE 6640 Integrating Children's Literature (3)**
The purpose of this course is to assist graduate students as they investigate and construct a deeper understanding of and develop techniques to incorporate quality children's literature across the curriculum. Pertinent topics include award winning authors and titles found in children's literature among a variety of genre, along with developmentally appropriate techniques for focusing curriculum delivery through quality children's literature.
- ECE 6674 Early Childhood Internship Grades P-3 (6)**

student behavior as well as the identification of some appropriate methods and techniques to apply this philosophy

EDU 6603 Planning For the Classroom (3)
This course provides students with an overview of the K-12 classroom environment and the planning necessary to establish environments that are conducive for learning.

EDU 6605 Computer-Based Instructional Technologies (3)
This is an advanced survey course in those classroom adaptable technologies, which are associated with the personal computer. Emphasis is placed on familiarity with keyboarding, disk operating systems, and tool software. Proficiency with word processing, data base and spreadsheet in an integrated program is developed. Students present a lesson augmented with an electronic slide show produced during the course.

EDU 6606 Current and Emerging Instructional Technologies (3)
This course focuses on the current and emerging uses of technology in the classroom, including electronic equipment for telecommunications, networking, online services, the internet, e-mail, list server, tele-netting, and user groups, and the uses and

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develop their own video and audio elements learning the complete production process necessary for multimedia instructional products. *Prerequisite: EDU 6605, 6606, 6607 or permission of the instructor*

EDU 6682 Internship in Area of Specialization (3)
This field experience is designed for teacher education candidates who hold current graduate-level professional educator certification and desire additional certification in

- EDU 7760 Leading for Learning in the School Environment (3)**
This course is designed to extend the teacher leader from the classroom to the school environment. Students will be provided a study of the processes involved in evaluating school settings and the problems faced by instructional leaders. Major emphasis will be placed on the transition to a teacher leading in the school environment. Characteristics of leading for learning will be explored. Topics that affect today's teacher leaders and positive ways to deal with instructional issues will also be investigated.
- EDU 7761 Effective Schools and Teachers (3)**
This course is designed to examine the knowledge base for effective schools to enable teacher leaders to develop skills in their own practices. There will be emphasis through in-depth study of the research literature on effective school settings. Students will critically examine, analyze, and evaluate the components and characteristics of effective school environments.
- EDU 7762 School Accreditation Process (3)**
The purpose of this course is to examine the local, state, regional, and national standards associated with school accreditation. The accreditation process in these areas will be reviewed and analyzed. Students will compare and contrast the different ways schools are accredited. Topics such as: the accreditation process, school self-study procedures, validation/documentation, roles of school personnel, and creating school improvement plans will be investigated.
- EDU 7763 Legal Issues and Ethics in Education (3)**
The purpose of this course is to allow educational leaders to explore the organizational development and maintenance services required for effective operation of the schools within the legal framework established by local, state, and federal legislative and judicial requirements. Major emphasis will be given to studying legal issues and community relations. Legal issues and services related to exceptional children will be closely examined. The development of ethical standards, informed legal decision making, and emergency procedures for ensuring safety, as well as the political factors which impact schools, society and community relations will be studied.
- EDU 7764 Models and Strategies for Instruction (3)**

ELE 6602 Seminar in Mathematics Education (3)
 This course will look at recent research and publications relative to the teaching of elementary school mathematics. Not only will specific areas selected by the instructor be examined, but the students in the class will have the opportunity to suggest areas of particular interest to them. This course provides opportunities for the student to extend knowledge and skills necessary for developing programs, selecting appropriate methods and employing materials, and evaluating in mathematics instruction, kindergarten through grade 6.

ELE 6603 Seminar in Science Education (3)
 This course will examine relevant research and a variety of instructional strategies appropriate in the field of natural science. Emphasis is placed on appropriate instruction and materials including technology for teaching science to students in grades K-6.

ELE 6604 Seminar in Language Arts Education (3)
 This course is a seminar for elementary educators desiring to design and implement developmental programs of language arts instruction in view of recent research. An examination of the research in the language arts and current practices in teaching techniques will be pursued.

ELE 6605 Seminar in Social Science Education (3)
 This course will examine relevant research and a variety of instructional strategies appropriate in the field of social science. Emphasis is placed on appropriate instruction and materials including technology for teaching social science to students in grades K-6.

ELE 6622 Parents as Partners in Education (3)
 The purpose of this course is to assist graduate students as they investigate and construct a deeper understanding of and develop techniques to strengthen the school-parent relationship while developing mutual supporters for the total development of the young child. Pertinent topics include: stress and children, parents and families in crisis, and helping children cope with the future.

ELE 6625, 6626, 6627 Specialized Study in Elementary Education (1-3)
 A study of a problem using research techniques. Selection of problem must be approved by the professor under whom the study is to be made and the Dean of Education. The study should contribute to the student's program.

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- ELE 7736 Mentoring and Supervision in ELE (3)**
This course is designed for the advanced sixth year education student to examine the faculty leadership roles of mentor/supervisor in ELE settings. Techniques and procedures will be investigated.
- ELE 7760 Leading for Learning in the School Environment (3)**
This course is designed to extend the teacher leader from the classroom to the school environment. Students will be provided a study of the processes involved in evaluating school settings and the problems faced by instructional leaders. Major emphasis will be placed on the transition to a teacher leading in the school environment. Characteristics of leading for learning will be explored. Topics that affect today's teacher leaders and positive ways to deal with instructional issues will also be investigated.
- ELE 7761 Effective Schools and Teachers (3)**
This course is designed to examine the knowledge base for effective schools to enable teacher leaders to develop skills in their own practices. There will be emphasis through in-depth study of the research literature on effective school settings. Students will critically examine, analyze, and evaluate the components and characteristics of effective school environments.
- ELE 7762 School Accreditation Process (3)**
The purpose of this course is to examine the local, state, regional, and national standards associated with school accreditation. The accreditation process in these areas will be reviewed and analyzed. Students will compare and contrast the different ways schools are accredited. Topics such as the accreditation process, school self-study procedures, validation/documentation, roles of school personnel, and creating school improvement plans will be investigated.

approval of the department chair. Students should be in the last term of their program when completing this course.

EMBA 6625, 6626, 6627 Specialized Study in the Area of EMBA Concentration (1-3)

A study of problem or problems using research techniques. Selection of the problem must be approved by the student's adviser, the instructor under whom the study is to be made, and the appropriate dean or site director. Preparation of an applied research paper is required and may involve an oral defense. See semester hour limits listed under Course Restrictions in General Regulations section.

EMBA 6631 Managerial Finance (3)

A comprehensive and advanced study of financial analysis, planning, and control techniques for a business entity with emphasis on corporations.

EMBA 6640 Quantitative Analysis for Managers (3)

This course provides an in-depth study of the fundamental theories, concepts, and principles of statistics. Coursework will include extensive use and application of statistical tools to analyzing business data using statistics software. Topics covered include descriptive statistics, probability distributions, sampling, estimation, hypothesis testing, ANOVA and regression analysis.

EMBA 6641 Decision Theory (3)

An analysis of the probabilistic and deterministic quantitative techniques available to the business manager involved in the decision making process of the market place. Included is an evaluation of the models and processes now available for problem-solving purposes.

EMBA 6651 Managerial Economics (3)

A study of the decision-making process of business firms in the resource allocation process. Both the functioning of markets and the decisions of firms in a variety of market structures are considered. Various theories of the firm are used to study the optimal decision-making rules for business firms under conditions of uncertainty.

EMBA 6661 Strategic Marketing Management (3)

An application of marketing concepts, principles and procedures for planning, development, implementation and control of marketing programs in profit and non-profit organizations. Emphasis is on the matching of organization resources and strengths with global marketing opportunities, and strategies to overcome environmental threats.

EMBA 6671 Organizational Behavior (3)

A study of contemporary concepts and theories of organization and the behavior of indi-

viduals and groups applied to organizations in the global business environment.

EMBA 6673 Operations Management (3)

An analysis of the conditions under which production and management of goods and services take place in business organizations with attention to the delineation of roles played by management and labor in carrying out production and application of selected quantitative techniques used in production.

EMBA 6674 Ethics in Business (3)

The course examines ethical problems and issues faced by managers in the American business and industry with attention to analyzing issues and developing recommended approaches to increase long-term organizational effectiveness.

ENGLISH

ENG 5501 Chaucer (3)

A study of Chaucer's major poetry.

ENG 5502 Studies in Medieval Literature (3)

A study of non-Chaucerian British literature from the Middle Ages, including *Beowulf*, *Piers Plowman*, *Sir Gawain and the Green Knight*, mystery plays, *Le Morte d'Arthur*, and other works.

ENG 5503 English Renaissance Literature (3)

This course covers English prose and poetry of the 16th and early 17th centuries, with emphasis on Sidney, Spenser, Donne, and Jonson.

ENG 5504 Milton (3)

A study of Milton's poetry and major prose.

ENG 5505 History of the English Language (3)

A study of the development of English from the Anglo-Saxon period through the present, with reference to the Indo-European background of English.

ENG 5513 Modern Short Story (3)

An examination of 20th- and 21st-century short stories.

ENG 5515 Modern Drama (3)

A detailed study of selected British and/or American plays written between 1900 and present. Review of production history, subject matter, staging, and dramatic techniques. Several oral and written reports. List of plays may vary with each offering.

ENG 5516 Nineteenth-Century American Novel (3)

A study of representative American novels of the 19th century.

ENG 5526 Modern Poetry (3)

A study of 20th- and 21st century poetry.

ENG 5527 Contemporary American Literature (3)

- used in different news media, the types of news stories and how they are written, the editing process, the production of print and non-print journalistic media, and the ethical responsibilities of newsgathering organization and reporters.
- ENG 5572 **Advanced Survey of Drama (3)**
This course provides a survey of theater. Explains the history of the theater and the roles of the playwright, director, actors, and technicians.
- ENG 6601 **Seminar in Chaucer (3)**
A close examination of two major works of Chaucer and critical responses to them. Special consideration given to Chaucer's language and versification and the medieval social background to his writing.
- ENG 6603 **Seminar in Shakespeare (3)**
A study of selected tragedies or comedies. Examination of various critical approaches. Extensive reading in relevant criticism. List of plays, as well as genre, may vary with each offering.
- ENG 6605 **Linguistic Approaches to Grammar (3)**
Study of American English from point of view of modern linguistic theories. Special consideration given to structural grammar and its possibilities in classroom.
- ENG 6606 **Theory and Practice of Analyzing Poetry (3)**
A critical study of representative types of poetry, employing several approaches in analytical process.
- ENG 6607 **The Backgrounds of Victorian Literature (3)**
A study of Victorian literature (1837-1900) as it reflects social, economic, political, educational, aesthetic, and religious concerns.
- ENG 6608 **Shakespeare's History Plays (3)**
A study of eight plays, from *Richard II* to *Richard III*, concerning the Wars of the Roses. Supplemental reading in Shakespeare's sources and in twentieth- and twenty-first-century histories.
- ENG 6609 **The Backgrounds of Nineteenth-Century American Literature (3)**
A study of literature (fiction, nonfiction prose, and poetry) as it reflects key issues, ideas, concerns, problems, and trends of the period. May be taught in conjunction with a course in American history.
- ENG 6610 **The Backgrounds of Twentieth-Century American Literature (3)**
A study of literature (fiction, nonfiction prose, poetry, and drama) as it reflects key
- issues, ideas, concerns, problems, and trends of the period. May be taught in conjunction with a course in American history.
- ENG 6613 **Theory and Practice of Analyzing the Short Story (3)**
A critical study of representative types of short stories employing theoretical approaches in the analytical process.
- ENG 6617 **Dramaturgy I (3)**
A study of selected classical, period, and contemporary plays (list may vary with each offering). Emphasis on dramatic form, historical perspectives, staging, and production.
- ENG 6618 **Dramaturgy II (3)**
Study of additional classical, period, and

- lishes, language standardization, language variation and change, multilingual education, language planning and policy, group identity/morality, and regional/social dialects.
- ENG 6632 American Realism and Naturalism (3)**
A seminar stressing critical approaches to the major works of such writers as James, Howells, Twain, Crane, and Dreiser.
- ENG 6635 The Victorian Novel (3)**
The study of the content and techniques of representative novels of the period with some consideration of these novels in relation to significant social, philosophical, and literary needs.
- ENG 6636 The American Renaissance (3)**
A seminar stressing critical approaches to the major works of Emerson, Thoreau, Hawthorne, Melville, Poe, and Whitman.
- ENG 6638 Major American Writers: WWI to Present (3)**
A study of major American writers who represent the various currents in American literature and thought from 1917 to present.
- ENG 6641 Theory and Practice of Grammar Studies (3)**
Advanced studies in descriptive grammar in conjunction with sentence structure and standards of usage. Special emphasis upon current procedures for presenting the various systems of grammar (particularly structural).
- ENG 6642 Theory and Practice of Written Composition (3)**
Advanced studies in expository and argumentative writing. Special emphasis upon procedures for presenting methods for organizing and developing various types of essays.
- ENG 6643 Trends in Children's and Young Adult Literature (3)**
A study of literature at the elementary, middle, and senior high levels. It includes reading the primary sources and studying the research and theory that support the use of children's and young adult literature in the classroom.
- ENG 6648 Studies in the American Renaissance (3)**
A study of the major works of the American Renaissance.
- ENG 6651 Studies in Modern Novel (3)**
A study of selected American, British, and/or European novels of the modern age.
- ENG 6660 Introduction to Applied Linguistics (3)**
This course introduces the main content areas and research practices of Linguistics and Applied Linguistics. Linguistics involves the systems of a language (phonology, morphology, syntax, semantics). Applied Linguistics requires familiarity with these systems for the purpose of researching and teaching the way language is used (e.g., Sociolinguistics, Second Language Acquisition).
- ENG 6665 Studies in African American Literature (3)**
A study of major works by African American writers.
- ENG 6670, 6671, 6672 Seminar in Selected Topics (3)**
Maximum of two semesters. Study of topic of special interest and importance which is not covered in regularly offered courses for advanced graduate students. See semester hour limits listed under Course Restrictions in General Regulations section.
- ENG 6680 Thesis Option in Literature (3)**
An advanced study of a problem or issue in literary studies. Selection of topic must be approved by the student's thesis director, who will oversee the project. Final project must demonstrate knowledge of extant criticism on the topic and should contribute to the student's program. Oral defense of the thesis required before final approval. Recommended for students interested in pursuing doctoral work in literature.
- ENG 6691 Research in Education (3)**
Research strategies for English educators and procedures for evaluating the language arts. ENG 6691 is a prerequisite for ENG 6696 Practicum.
- ENG 6696 Practicum in Area of Specialization, English (3)**
Supervised experiences related to instruction in area of specialization. The application of skills, concepts, and principles acquired in previous courses will be emphasized. *Prerequisite: All courses in Teaching Field Component and ENG 6691 must be completed.*
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- FINANCE**
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- FIN 6625, 6626, 6627 Specialized study in the Area of Finance (1-3)**
Study of problem or problems using research techniques. Selection of the problem must be approved by the student's adviser, the instructor under whom the study is to be made, and the appropriate dean or branch director. The study must contribute to the student's program. Preparation of a scholarly paper is required and may involve an oral defense. Total credit for any combination of enrollments in these courses may

not exceed six semester hours. A specialized study may be substituted for a required course only once in a student's program. See semester hour limits listed under Course Restrictions in the General Regulations section.

- FIN 6632 Investments (3)**
 An introductory investments course which identifies and analyzes various forms of investments (such as corporate bonds, common stock, preferred stock) and government securities (such as bonds, notes and bills). The course also includes discussion of the securities market, brokerage functions, and stock exchanges. Particular emphasis is placed on the selection of securities based on the degree of risk and expected rate of return. *Prerequisite: MBA 6631*
- FIN 6633 International Finance (3)**
 An examination of the foreign exchange market, exchange rate determination, international financial institutions, and the management of the risks associated with international business. *Prerequisite: MBA 6631*
- FIN 6634 Derivative Securities (3)**
 A study of options and futures markets, with emphasis on the nature of speculative transactions, pricing, and method of trading. *Prerequisite: MBA 6631*
- FIN 6651 Financial Institutions (3)**
 A comprehensive graduate study of financial markets and institutions. *Prerequisite: MBA 6631*
- FIN 6652 Problems in Financial Management (3)**
 Case discussions used to examine a broad

		hour limits listed under Course Restrictions in General Regulations section.			
GEO	6624	Geographic Characteristics of the Developing Realm (3) This course focuses on the identification and analysis of the social, economic, demographic, environmental, and political characteristics of the developing realm.	HEA	6635	Seminar on the American College Student (3) An examination of contemporary college students, focusing on the environment pressures, psychological needs, and values. Emphasis will be placed on student, faculty and administration relationships and interactions. Recent research and literature on the college student will be examined.
GEO	6625, 6626, 6627	Specialized Study in Area of Geography (1-6 hours) A study of a problem or problems using research techniques. Selection of problem must be approved by the professor under whom the study is to be made, and the Dean of Arts and Sciences. The study should contribute to the student's program. Preparation of a scholarly paper is required and may involve oral defense. Total credit for any combination of enrollments in these courses may not exceed four semester hours. A specialized study may be substituted for a required course only once in a student's program. See semester hour limits listed under Course Restrictions in General Regulations section.	HEA	6660	Contemporary Issues in Higher Education (3) This course is an intensive examination of the major issues currently confronting higher education with emphasis on issues of major concern to individual students.
GEO	6650	Geography of the Global Economy (3) An examination of the global economy from colonialism to the present. Social, political, and environmental factors associated with the diffusion and intensification of world trade are examined.	HEA	6690	Financing of Higher Education (3) An analysis of private, state, and federal revenue sources; student aid, program budgets, financial methods and practices through the combination of theory with problems and issues facing the financing of higher education.
			HEA	6696	Practicum in Higher Education (1-3) The Practicum is a supervised application of the concepts, principles, and skills acquired by the students in previous course work. Students will explore and identify alter Tcdcen Tc0lc0.1952

HIGHER EDUCATION ADMINISTRATION

HEA	6611	Organization and Administration of Higher Education (3) This course is designed to acquaint education leaders in higher education with the control, organization, financial and business aspects, academic and student personnel administration of the instructional program, and community and government relationship.
HEA	6612	Community Junior College (3) This course covers the rise and development of the community or junior college in American education, its philosophy and functions with specific attention to the transfer, terminal, and community-service functions. Problems of organization, curriculum construction, staffing and instructional procedures are stressed.
HEA	6614	School Law (3) A study of school law as set forth in the common law, state, and federal constitutions, statutes, judicial decisions, and in the rules and regulations of state. Major emphasis will be on state and federal law and its impact on education today.

COURSE DESCRIPTIONS - 186

HIS 5505 Old South (3)
An examination of the cultural, political, religious, and economic trends that shaped

Course emphasis also will include legal developments and important personalities.

- HIS 5541 American Constitutional Development (3)**
American constitutional system with emphasis upon its origin and evolution via amendments and Supreme Court decisions. Note: May be used for political science credit.
- HIS 5542 Renaissance and Reformation (3)**
Historical review of the transitional centuries bridging the medieval and the modern eras, including the rebirth of art and literature, the Protestant and Catholic reform movements, and the role of kings and states.
- HIS 5543 Age of Absolutism (3)**
Survey of political and religious controversies that shaped affairs in Europe during the 16th and 17th

and controversies of early modern Europe.

tions.

COURSE DESCRIPTIONS - 190

United States.

HSA 6681 Legal and Social Issues in Health Administration (3)

This course includes an examination of legal and ethical aspects of contemporary issues associated with the health services administration process.

HSA 6682 Healthcare Planning and Management (3)

This course stresses application of traditional management concepts to a variety of health service operational issues, analyzes similarities and differences in management of health service organization (HSO) and other organizational models, formulates new organizational designs and management practices appropriate to current HSO environments, and evaluates adequacy of new models.

HSA 6683 Healthcare Economics (3)

This course stresses economic analysis applied to the health services sector.

HSA 6684 Managed Care: Origins, Organizations, and Operations (3)

Covers managed care programs, structures, practice models, role of physicians and other clinicians, capitation, cost-accounting and forms of reimbursement.

INTERDISCIPLINARY EDUCATION

IED 5544 Internship Seminar (3)

This course provides interns an opportunity to develop analytical thinking skills through examining broad educational issues and concerns, topics on the state and local levels, and those of personal interest. The scope of the course ranges from juvenile law, classroom management, professionalism, professional development for teachers, and other course topics. This course must be taken concurrently with internship.

IED 6655 Interdisciplinary Internship in Grades P-12 (6)

The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester.

INTERNATIONAL HOSPITALITY MANAGEMENT

IHM 6625, 6626, 6627 Specialized Study in the Area of International Hospitality Management (1-3)

Study of problem or problems using research techniques. Selection of the problem must be approved by the student's adviser,

the instructor under whom the study is to be made, and the appropriate dean or branch
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improvement within organizations, and investigates critical issues in leadership, communication, coaching, teams, diversity, change, and goal-setting as they apply in the contemporary hospitality workplace. Applications develop critical thinking skills about the concepts. The purpose of the course is to present concepts of leadership and to develop an understanding of diversity, high-performance teams, employee empowerment and motivation, and cultural change for the enrichment of theoretical background to support effective participation in positions of senior management in the hospitality industry.

- IHM 6689 International Hospitality Management Internship (3)**
 For the International Hospitality Management concentration only, a consulting-type internship of at least 120 hours will be completed in place of the core MGT 6627 requirement, and will be accomplished with a hospitality industry firm (hotel, lodging, or restaurant chain or tourism board) after completing no fewer than 21 semester hours in the program, including nine semester hours in the IHM concentration. (Required in the IHM concentration.)

INTERNATIONAL RELATIONS

- IR 5502 International Political Geography (3)**
 An analysis of the reciprocal effects of geography and political organization on the behavior of states including boundaries and frontiers, national resources, spatial strategy and maritime power.
- IR 5524 Contemporary American Foreign Policy (3)**
 This course examines the foreign policies processes of the United States: historical traditions, political institutions, economic and military capabilities, the Congress, the Presidency, interest groups, the media, and public opinion.
- IR 5533 Comparative Government (3)**
 A comparative analysis of state governments in the world with an emphasis on political cultures, gov

role of political, economic, ethnic, religious and other belief systems or philosophical approaches within the global system.

- IR 6653 Political Psychology (3)**
An examination of the impact of individual and collective human behavior on the political process. An introduction to the methods of inquiry into a society's belief system, social cognition, socialization, and political behavior. Special attention is placed on the behavioral sources of political violence, the relationship between culture and political behavior, and collective alienation.
- IR 6654 Media, Technology, and International Politics (3)**
This course focuses on the role of media in international politics with particular emphasis on the impact of technological change. This includes the reportage and representation of world events through the broadcast, print, and entertainment media. The course

COURSE DESCRIPTIONS - 194

The content of the course will include an investigation of the politics that govern tribalism and colonialism, the sociological influences it has induced, and how the two concepts impact upon the people of Africa today.

- KHP 6610 Physical Education, Sport and the Law (3)**
The course is designed to provide students an awareness and understanding of basic legal responsibilities of educators and coaches.
- KHP 6615 Sport Administration (3)**
The study of the basic concepts, theories and organization of administration including financial management as applied to sport, physical education, recreation, and intramurals.
- KHP 6616 Sport Finance (3)**
This course is designed to provide students with information concerning advanced theory in finance, accounting, and managerial control of budgets.
- KHP 6617 Readings in Health and Physical Education (3)**
An independent exploration of the literature and current research in the fields of Health Education and Physical Education.
- KHP 6620 Physical Fitness: A Critical Analysis (3)**
The course involves an examination of the effects of physical activity on various fitness and health parameters by reviewing current research studies. Students will be introduced to methods of evaluating one's fitness level and the proper prescription guidelines.
- KHP 6621 Supervision of Instruction in Health and Physical Education (3)**
Consideration is given to the broader viewpoint of supervision as it relates to the improvement of health and physical education through in-service training of personnel, association with the teaching and administrative-supervisory staff, and general school and community relationships. Techniques of supervision and their application in improving the teacher-pupil learning situations will be examined.
- KHP 6623 The Biomechanics of Sports Techniques (3)**
The course explores the basic biomechanical concepts and their application in the analysis of sport technique.
- KHP 6625, 6626, 6627 Specialized Study in KHP (1-3)**
A study of the problem or problems using research technique. Selection of problem must be approved by student's adviser, instructor under whom the study is to be made, and the appropriate Director of Graduate Studies. The study should contribute to the student's program. Preparation of a scholarly paper is required and may involve an oral defense. Total credit for any combination of enrollments in these courses may not exceed six semester hours. A specialized study may be substituted for a required
- course only once in a student's program. See semester hour limits listed under Course Restrictions in General Regulations section.
- KHP 6630 Programs in Health and Physical Education (3)**
The course is designed for prospective classroom teachers and health and physical educators who assume the responsibility of providing meaningful learning experiences for children in the area of health and physical education.
- KHP 6631 Programs in Health and Physical Education (3)**
The course reviews appropriate curriculum for children of various age levels. Particular attention is devoted to a study of the capacities, attitudes, and needs of pupils as they are related to health and physical education. The principles, problems and procedures in the development of a health and physical education curriculum are thoroughly examined.
- KHP 6632 Critical Issues in Sport and Fitness Management and Health and Physical Education (3)**
Recognition, discussion, and systematic analysis of controversial issues and problems encountered in the conduct of professional activities in health and physical education.
- KHP 6640 Sport Marketing: Physical Education, Athletics, Recreation and Intramurals (3)**
The purpose of this course is to teach educators how to create a marketing plan. The emphasis is on following a ten-step procedure designed primarily for the non-profit sector and learning the theoretical base required to complete the process accurately and proficiently.
- KHP 6650 Nutrition and Physical Performance (3)**
The course will examine the special dietary requirements of athletes, the importance of pre- and post-event nutrition, potential nutritional problems encountered by athletes and possible ergogenic foods and drugs.
- KHP 6662 Diagnostic and Prescriptive Physical Education for Exceptional Children (3)**
The course is designed to present assessment procedures, exercise prescription techniques, physical education program development, and IEP programming for the child with special needs.
- KHP 6670 Exercise and Disease Prevention (3)**
This course examines the scientific evidence in support of the beneficial effect of regular physical activity on reduced mortality from all causes: from diseases such as cardiovascular diseases, non-insulin-dependent diabetes mellitus and colon cancer, and from con-

ditions such as obesity and high blood pressure.

KHP 6671 Exercise through the Lifespan (3)
 This course will survey the effects of exercise and training programs on the growth and development of children and adolescents. It will also explore the effects of exercise on the physiological and psychological aspects of aging.

KHP 6672 Sport Psychology (3)
 The course is designed for the student with a vocational interest in athletic coaching within the educational environment. Psychological theories will be applied to the teaching of sports skills and the development of individuals into efficient team units.

KHP 6673 Ethics in Sport (3)
 The course is examines ethical matters and issues relating to sport and physical activity.

KHP 6674 Entrepreneurship in Sport (3)
 The course provides the student with an awareness and understanding of basic concepts and problems in starting a business.

KHP 6691 Research Methods in Health and Physical Education (3)
 This course examines the variety of research methods and reporting methods used in health & physical education research.

LAW

LAW 6600 Business Law for Accountants (3)
 This course focuses on the legal implications of business transactions, particularly as they relate to accounting and auditing. It includes, but is not limited to, such topics as contracts, commercial paper, secured transactions, business organizations, and real and

- MBA 5503 Fundamentals of Economic Analysis and Business Law (3)**
A survey of key concepts in economics and business law that provides a foundation for further study in graduate economics and the MBA curriculum. Students must earn a grade of "B" or better in the course.
- MBA 5504 Fundamentals of Management and Marketing (3)**
A survey of key concepts in marketing and management that provides a foundation for further study in graduate marketing and management courses. Students must earn a grade of "B" or better in the course.
- MBA 5505 Fundamentals of Information Systems and Quantitative Methods (3)**
A survey of key concepts in statistics and information systems that provides a foundation for further study in graduate quantitative methods and management information systems. Students must earn a grade of "B" or better in the course.
- MBA 6605 Business and Professional Communication (3)**
Development of skills to assist managers to communicate to both internal and external audiences, to conduct meetings, to negotiate, and to resolve conflict. Emphasis is placed on oral and written presentation skills using state-of-the-art technologies and presentation software.
- MBA 6608, 6609 Thesis (3)**
Information regarding the thesis program can be obtained from the dean of the College of Business or branch director.
- MBA 6610 Business Research Design (3)**
Designed for the student to develop and demonstrate competency in business research methodology and techniques. This course teaches the MBA student proper research techniques and includes a research proposal. A grade of "B" or better is required. *Prerequisite: MBA 5505 or equivalent.*
- MBA 6611 Business Strategy (3)**
This course is the capstone course in the MBA program. It integrates the skills and knowledge developed in earlier courses and emphasizes case analysis. Formulation and implementation of strategies are stressed. The course includes an end-of-course comprehensive examination. A grade of "B" or better is required to complete this course successfully. The course may not be transferred into the MBA program. Students are required to complete the graduate Educational Testing Service Major Field Test and a Capstone Examination in this course. *Prerequisites: Completion of a minimum of*
- 24 semester hours in the MBA program, with a "B" average or better, including the following courses: ACT 6691, MBA 6651, MBA 6631, MBA 6661 and MBA 6642; or approval of the department chair. Students should be in the last term of their program when completing this course.*
- MBA 6613 Seminar in Business (3)**
Study and analysis of current topics on the leading edge of business. A combination of core material, readings, and research reports on contemporary aspects of business.
- MBA 6625, 6626, 6627 Specialized Study in the Area of Business Administration (1-3)**
Study of problem or problems using research techniques. Selection of the problem must be approved by the student's adviser, the instructor under whom the study is to be made, and the appropriate dean or branch director. The study should contribute to the student's program. Preparation of a scholarly paper is required and may involve an oral defense. Total credit for any combination of enrollments in these courses may not exceed six semester hours. A specialized study may be substituted for a required course only once in a student's program. See semester hour limits listed under Course Restrictions in General Regulations section.
- MBA 6631 Managerial Finance (3)**
A comprehensive and advanced study of financial analysis, planning, and control techniques for a business entity with emphasis on corporations. *Prerequisite: MBA 5502 or equivalent.*
- MBA 6633 International Finance (3)**
A comprehensive and advanced study of financial analysis, planning and control techniques for a business entity with emphasis on corporations.
- MBA 6640 Quantitative Analysis for Managers (3)**
This course provides an in-depth study of the fundamental theories, concepts, and principles of statistics. Coursework will include extensive use and application of statistical tools to analyzing business data using statistics software. Topics covered include descriptive statistics, probability distributions, sampling, estimation, hypothesis testing, ANOVA and regression analysis.
- MBA 6641 Decision Theory (3)**
An analysis of the probabilistic and deterministic quantitative techniques available to the business manager involved in the decision making process of the market place. Included is an evaluation of the models and processes now available for problem-solving purposes.

- MBA 6651 Managerial Economics (3)**
A study of the decision-making process of business firms in the resource allocation process. Both the functioning of markets and the decisions of firms in a variety of market structures are considered. Various theories of the firm are used to study the optimal decision-making rules for business firms under conditions of uncertainty. *Prerequisite: MBA 5503, 5505 or equivalents.*
- MBA 6652 Macroeconomics and Forecasting (3)**
An analysis of the causes of business cycles with the applications of macroeconomic theory and economic forecasting techniques available to the business manager. *Prerequisite: MBA 5503, 5505 or equivalents.*
- MBA 6661 Strategic Marketing Management (3)**
Application of marketing concepts, principles and procedures for planning, development, implementation and control of marketing programs in profit and non-profit organizations. Emphasis is on the matching of organization resources and strengths with global marketing opportunities, and strategies to overcome environmental threats. *Prerequisite: MBA 5504 or equivalent.*
- MBA 6671 Organizational Behavior (3)**

MGT 6682 Leadership and Motivation (3)

COURSE DESCRIPTIONS - 200

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upon the effective use of calculators, writing, and computer software in the mathematics curriculum.

MTH 6691 Research in Education (3)
A study of a variety of research and evaluations methods in the teaching of mathematics.

MUSIC INDUSTRY

NOTE: Graduate students may not enroll in a 5500-numbered course if it duplicates the same course listed on an undergraduate transcript.

MUI 6610 Marketing of Recorded Music (3)
Examination of the process of studio

MUSIC

NOTE: Graduate students may not enroll in a 5500-numbered course if it duplicates the same course listed on an undergraduate transcript.

MUS 5500, 5501, 5502 Selected Topics (1-3 credit hours per course)

A detailed investigation of a specialized topic of interest and importance. The area of investigation should be a topic not covered in regularly offered courses in the School of Music or an advanced section for intensive study. See semester hour limits listed under Course Restrictions in General Regulations section.

MUS 5510-6647 Private Instruction in Performance (1)

Individual studies in performance are a vital part of any music curriculum. The graduate student in music education or conducting should, upon consultation with his/her adviser, elect to study in the areas most consistent with his/her personal needs and career goals. For the secondary school teacher, this may involve deeper exploration of instruments he/she does not play well. For the prospective junior college or college teacher, it will involve further study of his/her principal performing area. Graduate study in performance is through private instruction only.

MUS 5510 - 6647 Private Instruction (1 credit hour per semester)

- 5510 Violin
- 5511 Viola
- 5512 Cello
- 5513 String Bass
- 5514/6614 Piano
- 5515/6615 Organ
- 5516/6616 Voice
- 5517/6617 Clarinet
- 5518/6618 Oboe
- 5519/6619 Flute
- 5520/6620 Bassoon
- 5521/6621 Saxophone
- 5522/6622 Trumpet
- 5523/6623 Horn
- 5524/6624 Trombone
- 5525/6645 Euphonium
- 5526/6646 Tuba
- 5527/6647 Percussion
- 5528 Guitar

MUS 5543 History of the Band in the United States (3)

The history of the band in this country from the early military bands through town, industrial, church, professional, circus, fraternal, school, and college bands.

MUS 5553 Techniques and Literature of Brass Instruments (3)

A study of the techniques of all the brass instruments, the use of extant methods and

literature for developing these techniques, and their applicability in individual and group public school teaching situations.

MUS 5554 Literature and Techniques of Sacred Music (3)

A comprehensive survey of materials and methods for use in sacred choral music programs.

MUS 5562 Arranging for Band and Chorus (3)

This course covers arranging for football shows, concert work, special vocal and instrumental groups. Study of ranges, voicing, and balance. Short-cuts and techniques in reproducing parts.

MUS 5571 Music for ECE and Elementary School (3)

A study of the materials and planning techniques for music in grades P-6. Singni21/Tf-8 -1.173se

- MUS 6608 Literature and Techniques for Volunteer School and Community Choruses (3)**
A study of music and methods for working with school, church, and community choral groups. Emphasis on materials suitable for performers with little previous training or experience.
- MUS 6609 Choral Literature (3)**
A comprehensive survey of music for the choral medium.
- MUS 6610 Woodwind Instruments and Their Literature (3)**
A study of teaching techniques and materials for the bassoon, clarinet, flute, oboe, and saxophone.
- MUS 6611 Materials and Techniques for the Intermediate Band (3)**
A comprehensive survey of the literature for the intermediate band program. Criteria for

recital with an appropriate vocal or instrumental ensemble. The performance will be videotaped for post-recital evaluation and final approval by the graduate conducting faculty.

MUS 6635 Pedagogy of Music History, Theory and Musicianship (3)

A study relating musical historical and theoretical concepts to the secondary school performance and general music class. Consideration of separate music theory and appreciation classes as secondary level subjects. Study of the concept of comprehensive musicianship as a point of departure for the modern music education curriculum.

MUS 6636 Conducting and Score Analysis Techniques (3)

A concentrated study of conducting patterns, gestures, and techniques. Score study through the coordinated application of music theory and history. Special emphasis will be placed on interpretation and the development of aural analysis skills.

MUS 6637 The Heritage of the March (3)

A historical and analytical survey of marches for the concert band. Marches for groups of all ability levels will be presented and discussed. Performance, listening and historical background will be included.

MUS 6650 Band Adjudication (3)

An intensive study of concert, marching, jazz band, and solo-ensemble adjudication and the requirements leading to certification.

MUS 6653 Measurement and Evaluation of Musical Experiences (3)

This course is designed to provide graduate students with tools and techniques to accurately evaluate and measure music students' musical experiences, performances, and understandings. Additionally, a survey of recent research literature on assessment, musical and otherwise, will take place which will enhance various evaluation applications.

MUS 6662 Advanced Instrumental Arranging (3)

A study of advanced arranging and scoring concepts for instrumental ensembles. Study of contemporary harmony, voicing, scoring methods, and their applications to various ensemble groupings.

MUS 6670 Practical Band Instrument Repair (3)

This course covers the maintenance, repair and supervision of equipment used by modern music educators. Exploration of industry guidelines and evaluation of financial re-

- NSG 5512 Advanced Health Assessment (3)**
Designed to prepare the nurse student as an expert clinician in health assessment of patients across the lifespan. Advanced content in history and interviewing processes, physical examination, and documentation of assessment findings are included. The clinical diagnostic process is emphasized. *Co-requisite: NSG 5513.* F, Sp
- NSG 5513 Advanced Health Assessment Preceptorship (3/9)**
Preceptorship course designed for clinical application of skills in advanced health assessment, clinical diagnosis and management, and health promotion, maintenance/disease prevention role of the primary care family nurse practitioner. *Prerequisites: NSG 6671 and 6649. Co-requisite: NSG 5512.* Sp
- NSG 5515 CNS Advanced Health Assessment Practicum (1/2)**
The clinical laboratory course is designed to review and expand skills and expertise in health assessment. Successful completion requires validation of knowledge and skills needed to perform complete health assessment of individuals. *Co-requisite: NSG 5512.* F
- NSG 5520 Foundations of Information and Communication Technologies (2)**
This course prepares students with fundamental skills for effective electronic commu-

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sics, file management, the Internet and the

- NSG 6660 Foundations of Advanced Practice (2)**
Focuses on the advance practice nurse's role in healthcare. Emphasizes the theoretical bases critical to leadership in the advanced practice role. Sp.
- NSG 6665 Primary Care I (3)**
Focuses on advanced knowledge and theory base in the assessment and care of children and women of child-bearing age. Health promotion is emphasized, but the practitioner is also prepared to deliver complex multifaceted care to clients in home, acute, and

COURSE DESCRIPTIONS - 208

public administration and its practice in the United States. The student is introduced to the case analysis method.

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| PA | 6620 | <p>Theory of Organizations (3)
 An introduction to the major theoretical approaches and debates in organization theory including core concepts and key issues arising from the classical and contemporary influences. Emphasis is on the evolution of organization theory in the United States and the elements that distinguish public from private organization.</p> |
| PA | 6622 | <p>Public Policy (3)
 The study of the theoretical orientations underlying the public policy process and the conceptual framework for differentiating types of public policies. Students examine current issues and policies from various theoretical and practical perspectives.</p> |
| PA | 6624 | <p>Public Human Resource Management (3)
 A survey of the basic principles and functions that include planning, work analysis, position classification, job specifications, recruitment, staffing, performance management and appraisal, labor-management relations, training, and other personnel functions. Topics include statutory and regulatory constraints and outsourcing and privatization.</p> |
| PA | 6625 | <p>Specialized Study in Public Admin.</p> |

equations and boundary condition problems in one, two and three dimensions.

- PHY 5559 Optics (3)**
 The principles of geometrical and physical optics. Image formation, refraction, diffraction, origin of spectra, polarized light, and optical activity. *Prerequisite: PHY 2253 and L253 OR PHY 2263 and L263; Co-requisite: PHY L459*
- PHY L559 Optics Laboratory (1)**
 Selected experiments in geometric and physical optics. Laboratory work emphasizes the basic principles of optics, the use of measuring instruments, and the interpretation of data. *Co-requisite: PHY 4459*
- PHY 5591 Guided Independent Research (1)**
 A laboratory based physics research project under the direction of a faculty member. The project must culminate in a written report with the results presented at a department seminar.
- PHY 5593 Guided Independent Study (3)**
 An independent study for advanced students under the direction of a faculty member.
- PHY 6600 Advanced General Physics (3)**
 This course explores the scientific view of the world as it has developed from the earliest theories of Aristotle, Euclid and Newton to modern theories such as Einstein's relativity and quantum mechanics. *Prerequisite: Eleven hours of college physics or permission of instructor.*
- PHY 6625, 6626, 6627 Specialized Study in Area of Physics (1-3)**
 A study of a problem or problems using research techniques. Selection of a problem must be approved by the professor under whom the study is to be made and the Dean of Arts and Sciences. The study should contribute to the student's program. Prepa-

technology, and telecommunications. *Prerequisite: EDU 6605 or permission of instructor.*

PSE 6608 Curriculum Integration of Technology (3)
 The purpose of this course is to prepare students to apply knowledge and competency in instructional technologies in relation to curriculum design, diverse models, and teaching situations at all developmental levels. Included is evaluation of software, audio/visual production, and instructional design using technology as a basis for instruction.

PSE 6612 Community Junior College (3)
 This course covers the rise and development of the community or junior college in American education, its philosophy and functions with specific attention to the transfer, terminal, and community service functions. Problems of organization, curriculum construction, staffing and instructional procedures are stressed.

PSE 6615 Social and Philosophical Foundations of Education (3)
 This course provides an exploration of societal structures and problems and their interrelationship with education. It also provides an overview of philosophies and educational theories.

PSE 6642 History of Education (3)
 A consideration of the development of educational ideas and institutions from ancient times to the present. Emphasis placed on Western Europe and the United States.

PSE 6651 Comparative Education (3)
 This course is a comparative in-depth study of representative school systems in the world. Particular attention is given to comparison of merits and issues of the systems in terms of governance and structure of education as well as an exploration of the best educational practice that can be learned from each.

PSE 6653 Educational Evaluation (3)
 The course presents basic procedures used in evaluation. A major focus is on planning and constructing teacher-made tests and non-test evaluation techniques. Also includes study of a variety of standardized tests.

PSE 6658 Understanding Cultural Diversity (3)
 The focus of this course is on understanding culturally different students, the psychological and sociological factors that influence the teaching or training.

PSE 6660 Trends and Issues in Adult Education (3)
 This course focuses on current trends in adult education. It includes a comprehen-

sive investigation of current issues in adult education and an examination of how historical events and ideas have influenced those issues and trends. Special emphasis will be given to the analysis of trends and issues and formation of judgments based on supportable information.

PSE 6665 Field Project in Post Secondary Education (3)

This course helps students make connections between theoretical knowledge and practical situations. The content of this course is variable, depending on the individual student's interests, present situation, and future plans. The determination of the content for each student will be made through collaboration between the student, the student's adviser, and the instructor of the course. Students may focus on supervised teaching, action research, or a project with a major field agency. *Prerequisites: This course is open only to students enrolled in the Masters of Science in Post Secondary Education program*

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		gram. Preparation of scholarly paper or project required and may involve oral defense.			
PSE	6695	Thesis (3-6) The thesis must be related to both the students' concentration area and post secondary education. Information regarding thesis guidelines and requirements may be obtained from the Graduate School office.			
PSE	6696, 6697, 6698	Practicum in Area Post Secondary Education (1-3) Supervised experiences related to instruction in post secondary education. Emphasis on application of skills, concepts, and principles acquired in previous courses. <i>Prerequisite: Completion of coursework and approval of adviser is required.</i>			
PSE	6699	Capstone in Post Secondary Education (3) This course is a culminating experience that helps students integrate and apply the knowledge they have gained through their previous coursework. Emphasis is placed on challenging students to view the post secondary educational process from many perspectives. Students complete field experiences appropriate to their concentration areas and analyze case studies drawn from real-life situations. Students also create a personal philosophy of post secondary instruction. <i>Prerequisites: This course is open only to students enrolled in the Master of Science in Post Secondary Education program. Students may take this class only during their last two semesters of coursework.</i>			
			PSY	6606	Interventions for Children and Adolescents (3) This course examines the behavioral characteristics of children and adolescents including their emotional, social, and cognitive behaviors. Emphasizes intervention, assessment, diagnoses, teaching, and prevention.
			PSY	6613	Objective Personality Assessment (3) An introduction to objective personality

PSYCHOLOGY

PSY	5501	Psychological Tests and Measurements (3) The selection, evaluation, administration, scoring, interpretation and use of tests of intelligence, proficiency, interests, personality, aptitude and social adjustment. <i>Prerequisite: graduate standing</i>
PSY	5520	Physiological Dynamics of Alcohol and Other Drugs (3) A study of physiological and psychological dynamics and resultant behavioral implications in use of alcohol and other drugs. Based on assessment of dynamics and behavior and application of diagnostic procedures using appropriate manuals and materials.
PSY	5556	Gerontology (3) The study of aging. Emphasis on biomedical, psychological, and social aspects of middle and late adulthood.
PSY	5559	Applied Behavior Analysis (3) Training and experience in design, execution, and evaluation of behavior modifica-

contemporary perspectives and developments; field and cultural influences on learning; and the relation of individual and group adjustment to school learning.

PSY 6635 Vocational Psychology and Career Development (3)
This course covers the procedures used in

PSY 6668	Human Lifespan and Development (3) A study of the nature and needs of individuals at all developmental levels. Problems of human adjustment faced at all stages of development from conception through retirement, including adjustment issues in the home, school, work place, social groups, and retirement. An understanding of developmental crises in human behavior is also a goal of this course.			in regular curriculum. Department will establish guidelines for supervision and pursuance of study. See semester hour limits listed under Course Restrictions in General Regulations section.
PSY 6669	Behavior Pathology (3) A study of psychopathological disorders with emphasis on the psychological, social, and biological origins. The current classification system used by the American Psychiatric Association is used as a foundation. Diagnosis and treatment planning are emphasized.	PSY 7753	Internship: School Psychology (3-6) At least 300 hours per three-semester-hour course of prescribed experiences in school psychology, completed at approved schools (K-12), and supervised by an approved school psychologist. The student is advised to check national and multi-state requirements for internship experiences. <i>Prerequisites: PSY 6650 and approval of instructor</i>	
PSY 6670	Diagnosis and Treatment Planning (3) A course designed to assist mental health professionals in the understanding and application of a multi-axial system (current edition of the Diagnostic and Statistical Manual). Also included is a comprehensive treatment planning strategy for development statements of behavioral symptoms, short-term objective, long term goals and therapeutic interventions. Psychopharmacology treatment interventions are covered. <i>Prerequisite: PSY 6669</i>	PSY 7754	Internship: School Psychology (3) At least 300 hours per three-semester-hour course of prescribed experiences in school psychology, completed at approved schools (K-12), and supervised by an approved school psychologist. The student is advised to check national and multi-state requirements for internship experiences. <i>Prerequisites: PSY 6650 and approval of instructor</i>	
PSY 6688	Medical/Psychosocial Aspects of Disability (3) A study of medical and psychological information related to the disabled persons and to their families. Aspects of personal and social adjustment will be emphasized.	PSY 7755	Internship: School Psychology (3) At least 300 hours per three-semester-hour course of prescribed experiences in school psychology, completed at approved schools (K-12), and supervised by an approved school psychologist. The student is advised to check national and multi-state requirements for internship experiences. <i>Prerequisites: PSY 6650 and approval of instructor</i>	
PSY 6693	Psychological and Educational Statistics (3) A study of variety of descriptive and inferential statistics commonly used in psychology and education. Emphasizes application of statistical methods to research design. A grade of "B" or better is required. <i>Prerequisite: ADE/CP/EDU 6691</i>	PSY 7794	Field Project (3) An independent study of a problem of a practical nature that is encountered in a field setting. A proposal for the study and a written report of findings must be approved by the student's advisory committee. The advisory committee may administer an oral examination covering the research findings.	
PSY 7700	Professional School Psychology (3) This course provides a knowledge base specific to the professional practice of school psychology and includes legal and ethical issues, professional standards, models of service delivery, roles of the school psychologist, modern technology, and assessment. <i>Enrollment limited to Ed.S. students.</i>	PSY 7795, 7796	Thesis (3) Independent research for and preparation of a scholarly paper related to a school psychology problem under the supervision of the student's advisory committee. A research proposal and the written paper must be approved by the student's advisory committee. The advisory committee will administer an oral examination covering the research findings.	
PSY 7725, 7726, 7727	Specialized Study in Psychology (1-6) Under supervision of faculty member selected by student and approved by adviser and faculty supervisor, student may pursue extensive study of particular area which fits his/her academic needs but is not available			
<hr/> READING <hr/>				
RED 5583	Language and Literacy III (3) A study of the principles of assessment and evaluation for improving language and literacy learning for all learners at all levels (P-6). This course requires substantial field experiences in a P-6 setting.			

- RED 6603 Special Topics in Literacy (3)**
An in-depth investigation of an approved topic designated by the instructor and the student for further research and exploration of a particular topic in literacy education.
- RED 6625 Specialized Study in Area of Literacy (1-3)**
A study of a problem or problems using research techniques. Selection of the problem must be approved by the student's adviser, the instructor under whom the study is to be made, the appropriate college dean, and the Dean of the Graduate School. The study should contribute to the student's program. Preparation of a scholarly paper is required and may involve an oral defense. Total credit for any combination of enrollments in these courses may not exceed four semester hours. A specialized study may be substituted for a required course only once in a student's program. See semester hour limits listed under Course Restrictions in General Regulations section.
- RED 6630 Directed Reading Practicum (3)**
This course is designed to provide the future teacher with directed practice in providing reading interventions to individual students or small groups of students in school settings. Experiences in the planning and preparation of lessons, modification of lesson procedures, and materials to fit student needs and the ongoing evaluation of student progress are included.
- RED 6643 Trends in Children's and Young Adult Literature (3)**
A study of literature at the elementary, middle, and senior high levels. It includes reading the primary sources and studying the research and theory that support the use of children's and young adult literature in the classroom.
- RED 6660 Assessment for Teaching and Learning (3)**
A comprehensive study of the assessment process used in the P-12 classroom. Selection, administration, and analysis of norm-referenced, criterion-referenced, curriculum-based assessments instruments, and teacher-developed assessments used to determine the instructional needs of students and to plan intervention programs. Field experiences required.
- RED 6664 Literacy in the Content Area Grades K-6 (3)**
The examination of research-based methods and materials for teaching reading and writing in grades K-6. Field experiences required.
- RED 6670 Advanced Study of Literacy (3)**
This course prepares the student to examine
- the variables related to difficulties in learning to read printed material. Emphasis is placed on designing appropriate programs of improvement.
- RED 6671 Internship: Applying Research-Based Literacy Assessment and Instruction (2)**
Directed practice in administering assessments to guide instruction in the essential components of reading and writing. A minimum of 100 clock hours of clinical experiences. *Prerequisite: RED 6686 and formal admission to the Reading Specialist Program.*
- RED 6673 Literacy II (3)**
This course is designed as a survey in teaching reading applicable to nontraditional majors in Elementary/K-6 Collaborative program. Emphasis is placed on phonemic awareness, phonetic word attack, vocabulary, and reading comprehension. Field experience is required. Methods and materials are analyzed for potential use in the classroom. *(Alternative Fifth-year only.)*
- RED 6674 Literacy in the Content Areas Grades 6-12 (3)**
The examination of research-based methods and materials for teaching reading and writing in grades 6-12. Field experiences required.
- RED 6675 Literacy Instruction for Diverse Populations (3)**
A study of English language learners and culturally and academically diverse learners and an examination of appropriate instructional strategies for those learners. Field experiences required.
- RED 6678 Literacy and Multicultural Diversity (3)**
A course designed to help teachers explore the cultural values, language structures, and belief systems of the major racial, ethnic, and national groups found in today's classrooms. Specifically, methods, materials, and evaluation instruments and techniques which would maximize learning efficiency for these culturally diverse groups will be introduced. Children's literature and instructional activities that would increase self esteem and understanding of cultural diverse groups and their contributions to society will be explored.
- RED 6680 Organization of School Literacy Programs (3)**
This course covers the program, organization, and development of basic and supplementary materials for guiding teachers, faculties, and school systems in the continuous evaluation and improvement of curriculum and teaching practices. An in-depth exami-

nation of the varied roles of the reading specialist in literacy programs. *Prerequisite: Formal admission to the Reading Specialist Program*

RED 6682 Internship: Developing Literacy Programs and Coaching Teachers (2)
Supervised practice in modeling and managing effective literacy instruction and coaching teachers. Evaluating and designing school-wide needs assessments, literacy programs and environments, and professional development. A minimum of 100 clock hours of clinical experiences. *Prerequisite: Formal admission to the Reading Specialist Program. Co-requisite: RED 6680*

RED 6683 Internship: Literacy Intervention (2)
Supervised administration and interpretation of instructional assessments to include screening, diagnosis, and progress monitoring with purposes of prevention, identification, and remediation of reading and writing difficulties. A minimum of 100 clock hours of clinical experiences. *Prerequisite: Formal admission to the Reading Specialist Program. Co-requisite: RED 6660*

RED 6684 Curriculum Trends in Teaching Reading (3)
This course provides a study of theories and practices contributing to the knowledge base needed to improve reading achievement in grades K-12. The course examines how the writing process, writing across the curriculum and the use of media can be instrumental to student learning. This course is restricted to students enrolled in the Master's Degree in Reading Specialist.

RED 6686 Research-Based Literacy Assessment and Instruction (3)
An examination of research related to the essential components of the reading and writing processes and literacy assessment. Instructional practices, approaches, methods, and curriculum materials that support reading and writing. Field experiences required.

RED 7778 Teaching Reading to Culturally Diverse Groups Through Literature (3)
A course designed to help teachers explore the cultural values, language structure and belief systems of the major racial, ethnic, and national groups found in today's classrooms. Specifically methods, materials and evaluation instruments and techniques which would maximize learning efficiency for these culturally diverse groups will be introduced.

GENERAL SCIENCE

SCI 5503 Conservation (3)
The conservation of natural and human resources with emphasis on population expansion as the major element in a changing ecology.

SCI 5560 Science and Society (3)
A study of the social, political and economic implications of scientific discovery, innovation, and implementation. *Prerequisite: Twelve hours of coursework in science or permission of instructor*

SCI 5595 Selected Topics in Science (3)
Specialized topics not generally included in course offerings. Course may be taken twice for a maximum of six hours toward degree requirements. *Prerequisite: Eight hours of coursework in science or permission of instructor.* See semester hour limits listed under Course Restrictions in General Regulations section.

SCI 6625, 6626, 6627 Specialized Study in Area of Science (1-4)
A study of a problem or problems using research techniques. Selection of a problem must be approved by the professor under whom the study is to be made and the Dean of Arts and Sciences. The study should contribute to the student's program. Preparation of a scholarly paper is required and may involve an oral defense. Total credit for any combination of enrollments in these courses may not exceed four semester hours. A specialized study may be substituted for a required course only once in a student's program. See semester hour limits listed under Course Restrictions in General Regulations section.

SECONDARY EDUCATION

SED 5544 Internship Seminar (3)
This course provides interns an opportunity to develop analytical thinking skills through examining broad educational issues and concerns, topics on the state and local levels, and those of personal interest. The scope of the course ranges from juvenile law, classroom management, professionalism, professional development for teachers, and other course topics. This course must be taken concurrently with internship.

SED 6695 Secondary Internship Grades 6-12 (6)
The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision

from a classroom teacher and a university supervisor for a period of one full semester.

search technique. Selection of problem must be approved by student's adviser, instructor under whom the study is to be made, and the appropriate Director of Graduate Studies. The study should contribute to the student's program. Preparation of a scholarly paper is required and may involve an oral defense. Total credit for any combination of enrollments in these courses may not exceed six semester hours. A specialized study may be substituted for a required course only once in a student's program. See semester hour limits listed under Course Restrictions in General Regulations section.

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| SFM | 6632 | <p>Critical Issues in Sport and Fitness Management (3)
 This course focuses on the recognition, discussion, and systematic analysis of controversial issues and problems encountered in the conduct of professional activities in sport, fitness, health and physical education.</p> |
| SFM | 6640 | <p>Sport Marketing (3)
 The purpose of this course is to teach the sports manager how to create a marketing plan. The emphasis is on following a ten-step procedure designed primarily for the non-profit sector and learning the theoretical base required to complete the process accurately and proficiently.</p> |
| SFM | 6650 | <p>Nutrition and Physical Performance (3)</p> |

SPE 6699 Collaborative Teacher K-6 Initial Practicum (3)

The practicum is for those candidates that do not currently hold an undergraduate teaching certificate for Collaborative Teacher, K-6. This is a supervised experience in the inclusive K-6 classroom and for students with disabilities in a resource and/or self-contained setting. The prospective Collaborative Teacher will spend 100 clock hours in designing instructional programs that emphasize the adaptation and/or modification of the curriculum content and teaching methods that will allow the student with a disability to access the general education curriculum as outlined by the Alabama Course of Study. The prospective Collaborative Teacher will work collaboratively with the general education teacher, special education teacher, IEP committee, and other professionals to design and deliver an appropriate education for students with disabilities. *Prerequisite: completion of all course work in the core and teaching field areas for persons who do not currently hold an undergraduate teaching certificate in Collaborative Teacher, K-6*