

Accounting

ACCT 6200 - Accounting for Managers

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Business Administration-Grad

A study of the concepts of reporting, analysis, and interpretation of financial and managerial data as basis for business decisions. (3-0-3) May not be enrolled in one of the following: Undergraduate-Semester.

Prerequisites:

ACCT 2101 Minimum Grade: C

ACCT 6300 - Fraud Exam and Investigation

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Business Administration-Grad

This course is a survey of fraud and its impact on society. Students will develop the following: an increased awareness of fraud in businesses, the circumstances in which fraud arises, techniques for detecting, measuring and preventing fraud, and the skills needed to assist in the discovery of fraud. (3-0-3)

Prerequisites:

ACCT 2101 Minimum Grade: C

ACCT 6390 - Accounting Internship-Graduate

Credits: 3.00

Lecture:

College: College of Business & Comp

Department: Accounting

Professional accounting experience with public accounting firm, business, or other organization while under the supervision of a partner, manager, or other officer of the sponsoring organization. (0-10-3) May not be enrolled in one of the following Level(s): Undergraduate-Semester.

ACCT 6800 - Accounting for Executives

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Business Administration-Grad

This course studies the basic concepts of financial reporting and analysis, including the preparation, analysis, and interpretation of annual financial reports. The focus is on interpreting financial information for decision making, including the key metrics presented in dashboards and scorecards. Other topics include the annual audit process, the impact of SOX, and ethical dilemmas that managers and accountants confront. (3-0-3) Must be admitted to EMBA program.

Biology

BIOL 6750 - Special Problems in Biology

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Biology Department

Individual work providing the student an opportunity to follow a specific program of study under the direction of a qualified instructor of his or her choice. Must be prearranged with advisor, department chair and instructor. (3-0-3)

Prerequisites:

BIOL 2108 or BIOL 2108H

Business Administration

BUSA 6025 - Business Internship / Graduate

Credits: 3.00

Lecture:

College: College of Business & Comp

Department: Business Administration-Grad

Practical experience gained by "employment" in the workplace and in the accomplishment of one or more special projects pertinent to the activities of the sponsoring agency or organization. Graduate students will assume leadership roles in this course and will receive assignments based on their areas of expertise. (0-10-3) May not be enrolled in one of the following Level(s): Undergraduate-Semester.

BUSA 6050 - Six Sigma

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Business Administration-Grad

This course introduces students to Six Sigma and the DMAIC approach, a data-driven method for improving quality and performance. It covers statistical tools for reducing variation, increasing productivity and enhancing customer value. Students learn quality principles, process analysis, statistical metrics and problem-solving techniques to drive operational excellence and continuous improvement. (3-0-3)

Prerequisites:

BUSA 3050 Minimum Grade: C

BUSA 6100 - History and Philosophy of Mgmt

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Business Administration-Grad

A review of the history of the development of the philosophy and practice of managing people in organizations and organized activity. Emphasis is upon independent research and in-depth discussions of results on case studies and projects. (3-0-3) May not be enrolled in one of the Level(s): Undergraduate-Semester.

Prerequisites:

MGNT 3600 Minimum Grade: C or MGT 312 Minimum Grade: C

BUSA 6110 - Business Ethics

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Business Administration-Grad

This course is designed to examine the relationship between ethical theory and business decision making. The goal is an integration of ethics and social responsibility into real-world business situations. (3-0-3) May not be enrolled in one of the following Level(s): Undergraduate - Semester.

BUSA 6120 - Marketing Management

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Business Administration-Grad

This is an integrative course designed to demonstrate the complexity and multidimensional nature of marketing decisions. The course will focus on marketing policy and strategy from a manager's perspective. (3-0-3) May not be enrolled in one of the following Level(s): Undergraduate- Semester.

Prerequisites:

(MGNT 3600 Minimum Grade: C or MGT 312 Minimum Grade: C)

BUSA 6130 - Strategic Change Management

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Business Administration-Grad

The success of a change strategy depends on the context of one's company and leadership abilities. It is the role of the leader to navigate that change. In this course, students will learn core concepts of strategy and organizational design. Students will then discover the importance of planning for change to position the organization for a successful transition. During the execution planning, students will explore the impact and develop strategies to manage resistance to change. (3-0-3)

Prerequisites:

(BUSA 3050 Minimum Grade: C or BUS 313 Minimum Grade: C and (MGNT 3600 Minimum Grade: C or MGT 312 Minimum Grade: C

BUSA 6140 - Adv Business Finance**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Business Administration-Grad

A seminar focusing on selected issues in contemporary corporate finance and the current business environment. Topics will vary but will likely include issues related to international finance, management of working capital, financial distress, and mergers and acquisitions. (3-0-3) May not be enrolled in one of the following Level(s): Undergraduate - Semester.

Prerequisites:

(BUSA 3150 Minimum Grade: C or BUS 330 Minimum Grade: C or FIN 330 Minimum Grade: C and (ACCT 2101 Minimum Grade: C or ACT 205 Minimum Grade: C

BUSA 6150 - Human Resource Management**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Business Administration-Grad

A study of the strategic role of human resources in today's competitive organizations. The class focuses on exploration of the areas where HR can enhance the employee-employer relationship, the functional areas that HR serves in the organization, and the value that HR can bring to managerial, financial, and operational perspectives. The course culminates in research and real-world application that illustrates how HR can lead to a competitive advantage for the organization when it contributes as a strategic partner. (3-0-3) May not be enrolled in one of the following Level(s): Undergraduate-Semester.

Prerequisites:

MGNT 3600 Minimum Grade: C or MGT 312 Minimum Grade: C or MGNT 3600H Minimum Grade: C

BUSA 6160 - Managerial Economics**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Business Administration-Grad

Practical analysis of business fluctuations as a major factor in forecasting business activity on a general level as well as for the individual firm. The importance of forecasting in the business organization is included along with consideration of macro-economic forces which affect forecasts and various methods of analysis for determination of cyclical factors and other methods of preparing and documenting forecasts. (3-0-3) May not be enrolled in one of the following Level(s): Undergraduate - Semester.

Prerequisites:

(BUSA 3050 Minimum Grade: C or BUS 313 Minimum Grade: C)

BUSA 6170 - Quantitative MGNT-Graduate**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Business Administration-Grad

An introduction to quantitative decision-making techniques to problems of business. It includes material on Decision Analysis, Linear Programming, Inventory Management and Project Scheduling, Stochastic Models as well as some advanced statistical topics like Regression, ANOVA, Quality Analysis, and Non Parametric Tests. (3-0-3) May not be enrolled in one of the following Level(s): Undergraduate - Semester.

Prerequisites:

(BUSA 3050 Minimum Grade: C or BUS 313 Minimum Grade: C)

BUSA 6180 - Internat'l Business Practices**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Business Administration-Grad

This course is designed to focus on five aspects of the cross-border environment: exchange rates and international capital markets, trading patterns and regimes, regulatory content, and political content. (3-0-3) May not be enrolled in one of the following Level(s): Undergraduate-Semester.

BUSA 6190 - Executive Communication**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Business Administration-Grad

This course is designed to prepare students for communication challenges in a business environment, including relationship communication, oral communications, and visual presentation skills. Emphasis will be on strengthening skills in persuasion, speaking confidently on handling Q&A, (3-0-3).

BUSA 6192 - Major Fields Test**Credits:** 0.00**Lecture:****College:** College of Business & Comp**Department:** Business Administration-Grad

The ETS Major Field Test is a comprehensive assessment to measure the accumulative knowledge by students on the MBA program. (0-0-0)

BUSA 6230 - Money, Banking and Fin Mkts**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Business Administration-Grad

A course looking closely at the U.S. financial system with emphasis on the Federal Reserve and monetary policy, the the industry, and other financial intermediaries or institutions, global financial markets, and the overall economy. Additionally, emphasis will be placed on interest rates, investments, money supply, foreign exchange, inflation and deflation, and implications for managing firms in the global economy. (3-0-3)

BUSA 6400 - Not-For-Profit Marketing**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Marketing

The intent of this course is to discuss the utilization of marketing principles by non-profit organizations - the problems, benefits, obstacles, and opportunities - involved with a marketing orientation. A variety of marketing concepts, techniques, and strategies will be discussed and their relevance to non-profit organizations examined. (3-0-3) May not be enrolled in one of the following Level(s): Undergraduate - Semester.

BUSA 6540 - Organizational Leadership**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Business Administration-Grad

Leadership theory is explored as it relates to management in organizations. Students analyze specific aspects of leadership and organizational behavior and use this analysis to connect theory to application. (3-0-3) May not be enrolled in one of the following Level(s): Undergraduate - Semester.

Prerequisites:

(MGNT 3600 Minimum Grade: C or MGT 312 Minimum Grade: C)

BUSA 6550 - Entrepreneurship**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Business Administration-Grad

Students are provided an opportunity to learn how to manage a newly organized or acquired small business. Major emphasis is placed on design, integration, and operation of all aspects of a small business. Extensive use is made of experiential exercise. (3-0-3) May not be enrolled in one of the following Level(s): Undergraduate - Semester.

Prerequisites:

(MGNT 3600 Minimum Grade: C or MGT 312 Minimum Grade: C)

BUSA 6570 - Labor Management Relations**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Business Administration-Grad

Focus on understanding the process through which employers and unions negotiate, constraints on both groups, and shared responsibility for administering negotiated contracts. Analysis of problems in the process and procedures for minimizing these problems will be explored. (3-0-3) May not be enrolled in one of the following Level(s): Undergraduate - Semester.

BUSA 6600 - Business Strategy**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Business Administration-Grad

This course integrates the functional disciplines of business, and uses cases and simulations to apply knowledge to the general and strategic management of the modern firm. The class utilizes current issues and literature to emphasize internal resources, potential competitive advantages, demands of the industry/external environment, formulating strategy, and developing tactics using the firm's elements such as people, culture structure, and systems. (3-0-3) May not be enrolled in one of the following Level(s): Undergraduate-Semester.

Prerequisites:

(MGNT 3600 Minimum Grade: C or MGT 312 Minimum Grade: C)

BUSA 6621 - Exec Perspectives Leadership**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Business Administration-Grad

This course is designed to give executive leaders a practical insights into the personal challenge to fully develop as a business leader. Focus will be on assessment of one's current leadership style as well as methods for personal improvement and development. The course will assess various approaches to understanding leadership effectiveness, with emphasis on current thought on leadership development. Historic and current leaders will be assessed, emphasizing strategic vision & implementation, building company culture, and driving company success. (3-0-3)

BUSA 6631 - Supply Chain Management**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Business Administration-Grad

This course is about Supply Chain Management (SCM) - how organizations manage the flow of goods and information, from the procurement of raw materials to the delivery of product and services to the end customer. Supply Chain Management involves forecasting & demand management, sales & operations planning, sourcing, manufacturing, inventory management, logistics, and the design of value chains to achieve cost, quality, and customer service goals. Students will apply skills through case analysis and by completing exercises in each of the SCM cycle elements, Plan-Source- Make-Deliver. (3-0-3)

BUSA 6720 - Strategic Marketing**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Business Administration-Grad

This course, designed for executive leadership, explores marketing management through an emphasis on current marketing strategies utilizing practical applications of marketing-related theories in order to weigh considerations behind each element of the marketing mix over a product's lifecycle. Topics discussed in relation to the current business environment include developing an organizational focus on customers and markets; analyzing competition and consumer behavior; positioning; marketing communications; and decision making. (3-0-3) Must be admitted to EMBA program.

BUSA 6740 - Strategic Financial Management**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Business Administration-Grad

A course designed to give executive decision makers useful current knowledge and analytical tools for understanding the financial aspects of the company and making important financial decisions. Key topics of discussion will include cash flow assessment; financial ratio analysis; the company's value chain and margin; capital structure and capital markets; capital budgeting and investments; and financial institutions. (3-0-3) Must be admitted to EMBA program.

BUSA 6760 - Global Economics**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Business Administration-Grad

This course provides an overview of interconnected and interdependent economics and the challenges of globalization. The focus will be on the implications of global business and its impacts on the wellbeing of the residents in domestic and foreign countries. The course also examines the national differences that influence the international economic and business environment and the economics of international business strategies. This course applies analytical and critical thinking skills to real-world situations. (3-0-3) Must be admitted to EMBA program.

BUSA 6770 - The Analytical Edge**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Business Administration-Grad

The course provides insight into executive business decisions driven by analytical tools; focus is given to methodologies and subsequent decisions. Specific attention is given to risk and decision-making errors. Analytical tools utilized are Simple and Multiple Linear Regression Analysis, ANOVA, Decision Tree Analysis, as well as advanced statistical topics. (3-0-3) Must be admitted to EMBA program.

BUSA 6780 - Global Enterprise Management**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Business Administration-Grad

A course designed to give executive leaders a solid understanding and appreciation of leading international business organizations as well as the global context in which firms operate today. Focus will be on the various strategies and competitive advantages available to firms operating across borders; the challenges and opportunities present in global operations; and the skills necessary to lead enterprises seeking to operate internationally. (3-0-3) Must be admitted to EMBA program.

BUSA 6900 - Organiz Strategy and Change**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Business Administration-Grad

A course designed to give executive leaders the tools and practice they need to implement effective strategies for building sustainable competitive advantage and organizational success. Emphasis will be on situational analysis, financial assessment, and recommending / implementing action to companies facing various challenges. The course will also focus on management actions for innovation, continuous improvement, and change in modern organizations. (3-0-3) Must be admitted to EMBA program.

BUSA 6910 - Enterprise Value Chain**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Business Administration-Grad

This course explores the transformative processes of the enterprise's value chain with specific focus on continuous improvement strategies. This course also conducts an in-depth review of overall operational oversight and other key enterprise value chain components. (3-0-3) Must be admitted to EMBA program.

BUSA 6920 - New Product Dev & Innovation**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Business Administration-Grad

Innovation, through the development of new products and services, is a significant yet risky function within an organization. This course is designed to provide an understanding of the new product development process through a survey of issues related to opportunity selection, concept generation, and project evaluation, among others, from the marketing perspective. We will recognize in this course that there is no exact process that guarantees a new product's success however, we will examine the strategies, processes, tools, and techniques that will give a new product team leader an upper hand in evaluating the situation they are presented with. While primary focus is on physical products, much of the information can be applied to designing new services. (3-0-3) Must be admitted to EMBA program.

BUSA 6940 - Exec Perspectives Leadership**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Business Administration-Grad

A course designed to give executive leaders practical insights into the personal challenge to fully develop as a business leader. Focus will be on assessment of one's current leadership style as well as methods for personal improvement and development. The course will assess various approaches to understanding leadership effectiveness, with emphasis on current thought on leadership development. Historic and current leaders will be assessed, emphasizing on strategic vision and implementation; building company culture; and driving company success. (3-0-3) Must be admitted to EMBA program.

Information Technology**CIS 6900 - Special Problems in CIS****Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Computer Science

This course provides students with an opportunity to study and explore current computer information systems topics not covered in any other course. Students will also have the opportunity to design and implement software systems for business environments and to expand on projects from previous classes. (3-0-3)

Computer Science**CSCI 5120 - Topics in Information Security****Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Computer Science

Complete examination of the issues and problems in providing security for information processing systems, security goals and vulnerabilities, encryption and decryption, secure general purpose operating systems and applications, network security, Digital Signatures and Public Key Cryptosystems, security protocols, etc. (3-0-3)

Prerequisite: CSCI 3500 Minimum Grade C

Prerequisites:

CSCI 2510 Minimum Grade: C or CSCI 3500 Minimum Grade: C

CSCI 5310 - Decision Support Systems**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Computer Science

This course concentrates in the use of computer systems to help assist in the decision making process. It will start with analyzing the process of making a decision and the role of a decision maker. This course examines a set of information systems which support decision makers: individual and group decision support systems, expert systems, and neural networks. It discusses the development, implementation, and application of these systems. To understand how DSS are built, several areas and tools of modeling and artificial intelligence will be considered. (3-0-3)

CSCI 6130 - Mobile Security**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Computer Science

This course provides a conceptual overview of the security principles incorporated in the design of several generations of mobile networks, from GSM (2G), UMTS (3G) up until LTE (4G). This course explores the unique challenges facing mobile security while comparing it with traditional computer and network security. Platform security models of the popular mobile device platforms including IOS, Android and the Windows Phone will also be covered. (3-0-3) Prerequisite: CSCI 3500 Minimum Grade C

Prerequisites:

CSCI 2510 Minimum Grade: C or CSCI 3500 Minimum Grade: C

CSCI 6220 - Distributed Operating Systems**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Computer Science

This course will cover taxonomy of distributed systems and distributed operating systems. Topics will include mutual exclusion, atomic transaction, deadlock handling, threads, processor allocation, scheduling, distributed file systems, distributed shared memory, and system programming issues in distributed systems.(3-0-3)

Prerequisites:

CSCI 4200

CSCI 6230 - Internet Architect-Protocols**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Computer Science

This course deals with the principles and issues underlying the provision of wide area connectivity through the interconnection of autonomous networks. Detailed discussion of the problems and solution techniques that arise in internetworking. Emphasis will be placed on the Internet architecture and protocols. (3-0-3) CSCI 4200 Minimum Grade C

Prerequisites:

CSCI 4200 Minimum Grade: C

CSCI 6320 - Adv Software Engineering**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Computer Science

This course expands on and goes beyond concepts learned in the undergraduate level software engineering course. Its goal is to arm students with a professional level knowledgebase sufficient for architecting, managing, and implementing all aspects of current software engineering practices. Along with providing advanced fundamentals, this course discusses and critiques published peer-reviewed white papers related to various aspects of the software engineering discipline. Real-world scenarios and commercial practices are analyzed and exercised during a term project. (3-0-3)

CSCI 6410 - Adv Database Design**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Computer Science

This course will discuss emerging advanced database technology to prepare the students with currently practiced database tools in the industry. Students will do comparative study of different database systems. The course will also discuss design, development, and implementation strategies involving databases, database security, and database administration. (3-0-3) Prerequisite: CSCI 3500 Minimum Grade C

Prerequisites:

CSCI 2510 Minimum Grade: C or CSCI 3500 Minimum Grade: C

CSCI 6720 - Distributed Web Applications

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course will demonstrate a new approach in the distributed web applications field, cloud computing. The first part of the course is devoted to main concepts of cloud computing. In the second part, students will learn contemporary models for development of distributed web applications. The last part is devoted to practical work in a cloud computing environment. (3-0-3) CSCI 4200 Minimum Grade C

Prerequisites:

CSCI 4200 Minimum Grade: C

CSCI 6800 - Human-Comp Interact-Intf Des

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course will discuss interface design between the user and computer, user capabilities and limitations; designing systems for people, evaluation and testing of systems; usability engineering and ergonomics. At the center of the course is the development of a hands-on semester project that will help students learn about various stages of an effective design process.

CSCI 6821 - Adv Computer Graphics

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course is an exposition of the techniques needed to generate and render three-dimensional computer images. It will provide a theoretical understanding of these techniques together with the programming expertise required to implement them. Two-dimensional graphics will be reviewed in detail. Homogeneous (4-coordinate) representation of three-dimensional points and vectors are presented with matrix transformations for orthographic and perspective projection. (3-0-3)

Prerequisites:

CSCI 4820

CSCI 6840 - Intelligent Systems

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course introduces students to the basic principles, techniques, and applications of Artificial Intelligence including knowledge representation, logic, inference, problem solving, search algorithms, perception, learning, planning, and agent design. Students will experience programming in AI language tools. Potential areas of further exploration include decision support and expert systems, neural networks, fuzzy logic, robotics, and natural language processing. (3-0-3) Prerequisite: CSCI 3500 Minimum Grade C

Prerequisites:

CSCI 2510 Minimum Grade: C or CSCI 3500 Minimum Grade: C

CSCI 6900 - Special Problems in CS

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course provides students with an opportunity to study and explore current computer science topics not covered in any other course. Students will also have an opportunity to design and implement software systems for business environments and to expand on projects from previous classes. (3-0-3)

CSCI 6910 - Cloud Computing and Security

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course introduces the concept of Cloud Computing with security in mind. Students will be able to learn about public clouds and the security issues that they are dealing with along with other network security issues. (3-0-3)

Prerequisite: CSCI 4200 Minimum Grade C

Prerequisites:

CSCI 4200 Minimum Grade: C

CSCI 6930 - CS Internship / Graduate

Credits: 3.00

Lecture:

College: College of Business & Comp

Department: Computer Science

The Internship gives students an opportunity to apply and extend the theoretical knowledge acquired in the classroom to a practical experience. Topics for the internship projects should be based on the graduate curriculum. (0-12-3)

CSCI 7900 - Thesis

Credits: 3.00

Lecture:

College: College of Business & Comp

Department: Computer Science

With the approval of his/her major professor, a candidate for the MS degree may take 6 credit hours of thesis. (0-12-3)

Teacher Certification

EDCF 5700 - Internship in P-12

Credits: 6.00

Lecture:

College: College of Education

Department: Education

An internship with emphasis on planning, selecting, preparing, and evaluating instructional materials in P-12 teaching fields and developing needs assessment for the classroom teacher to prepare for Georgia Teacher Observation Assessment (GTOA) or system assessment. Cannot be used to satisfy degree requirements. Prerequisites: Application filed with Director of Clinical Experiences one full semester in advance; permission of instructor; at least 15 semester hours of credit at Georgia Southwestern State University. (0-15-6)

EDCF 5800 - Internship in P-12

Credits: 6.00

Lecture:

College: College of Education

Department: Education

An internship with emphasis placed on curriculum planning, methodology, and evaluating instructional materials in P-12 teaching fields. Cannot be used to satisfy degree requirements. (0-15-6)

Prerequisites:

(EDCF 5700)

Elementary Education

EDEC 6100 - Adv Study of EC Lang Arts

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Elementary Education

An intensive study of methods, materials and experiences in the language arts as the basis for emotional, social and mental growth by young children, evaluation of materials and procedures for teaching the language skills necessary for success in school. (3-0-3)

EDEC 6120 - Children's Literature for EC

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Elementary Education

An advanced study of various genre of books for children. Emphasis is placed on identifying the various roles quality literature plays in the educational programs for children. Pedagogical implications are incorporated. (3-0-3)

EDEC 6220 - Readings in EC Education**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

This course provides a forum for professionals to explore general topics, issues, and current research related to Early Childhood Education. (3-0-3)

EDEC 6225 - Adv Rdgs in EC Education**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Elementary Education

This course provides a forum for professionals to explore a specific topic of interest related to Early Childhood Education. In addition, students produce a review of literature related to a selected topic. (3-0-3)

EDEC 6400 - Adv Study of EC Science**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Elementary Education

A course which focuses on teaching strategies that promote equity in Science and Technology. It incorporates innovative instructional strategies, science content, educational technology and classroom management. The participants apply their understandings by adapting, implementing and evaluating equitable teaching strategies in their classrooms. (3-0-3)

EDEC 6500 - Adv Study EC Social Studies**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Elementary Education

A study of recent developments in Early Childhood Social Studies with emphasis on current theory and experimentation in curriculum and teaching practices. (3-0-3)

EDEC 6600 - Teaching of EC Mathematics I**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Elementary Education

Activity oriented course that models student centered, discovery approaches to teaching the basic mathematics skills that are based on the NCTM Standards. Major focus will be placed on creating and maintaining a classroom management style that promotes a "safe" classroom environment and fosters the development of personal responsibility. Alternatives will be offered for teaching, assessing and grading student growth in mathematical thinking and mathematical power. (3-0-3)

EDEC 6610 - Teaching of EC Mathematics II**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Elementary Education

A continuation of EDEC 6600, with learning experiences focused on topics in number patterns, geometry, and general problem solving. Emphasis will be placed on teaching practices that promote development of life-long learning skills and on alternative assessment/grading practices. (3-0-3)

EDEC 6700 - The Arts in Early Childhood**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Elementary Education

This course investigates elements of art and principles of design that support children's artistic development. Various two- and three- dimensional art processes are explored in relation to how they can be used to support children's affective and academic development across curricular areas. (3-0-3)

EDEC 7020 - Special Problems in EC Edu

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Elementary Education

A study of problems related to specific curriculum and certification areas in the Early Childhood program. Emphasis is placed upon special projects and independent study. May be repeated for credit in a different curriculum area (3-0-3)

EDEC 7050 - Theoretical Frameworks in EC

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Elementary Education

This course provides a comprehensive and in-depth study of theories that provide a foundation for understanding young children in grades P-5. The impact of growth and development for planning appropriate and equitable educational programs is studied. The course also explores how various theories underlie teaching decisions and practices in early childhood programs. (3-0-3)

EDEC 7250 - EC Instructional Strategies

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Elementary Education

This course is designed to enhance candidate's knowledge of content, its organization, and its relationships. Candidates are provided strategies and techniques for conveying subject(s) to learners in ways that recognize individual differences using multiple methods to enhance learning. Equitable treatment of learners in an active learning environment is stressed. (3-0-3)

EDEC 7350 - EC Curr & Instructional Strat

Credits: 3.00

Lecture:

College: College of Education

Department: Elementary Education

This course is designed to enhance candidate's knowledge of content, its organization and its relationships with an emphasis on curriculum. Emphasis is placed on strategies to improve student learning, working with other professionals on curriculum development as well as expanding candidates' repertoire of instructional skills. (3-0-3)

EDEC 7420 - EC Directed Study-Field Projec

Credits: 3.00

Lecture: 1.00

College: College of Education

Department: Elementary Education

A research-oriented study or project selected according to interests or needs of students. (1-0-3)

EDEC 7500 - Assessment of Lrng in ECE

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Education

The course provides an in-depth study of appropriate strategies for assessing student learning and development. In addition, candidates learn how to use assessment results to adjust practices to fit the needs of learners. The role of assessment in student-based decisions making as well as guidelines for construction, selection, and interpretation of assessment tools and results are included. Issues and trends related to assessment and accountability are emphasized especially in relation to standardized testing. (3-0-3)

EDEC 7550 - Issues and Trends in EC

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Elementary Education

The course examines issues, trends, and problems in early childhood education. Information sources for research, including print and media resources, will be included. Content will include conceptualizing, completing, and presenting an extensive literature review for a research project to enhance professional writing and presentation skills. (3-0-3)

EDEC 7750 - Assessment in EC Ed

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Elementary Education

The course provides an in-depth study of appropriate strategies for assessing the learning of young children. Assessment instruments and procedures for examining development in the cognitive, physical, and social domains are included. The course will also explore issues related to standardized testing in relation to the importance of testing in early childhood education. (3-0-3)

EDEC 7800 - Family & School Partnerships

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Elementary Education

This course is designed to acquaint and expand the knowledge of teachers in early childhood education with a variety of innovative programs in existence involving parents as partners in education. The history of parental involvement, research, leadership development, benefits to children, parents, school, and community, as well as strategies for promoting parent involvement, are emphasized. (3-0-3)

EDEC 7900 - Curriculum Strategies

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Elementary Education

The course provides a study of Early Childhood Education with emphasis on curriculum decision-making, and curriculum content. Procedures for planning, implementing, and evaluating curriculum appropriate for the young learner is presented. (3-0-3)

EDEC 7960 - M.Ed. Practicum I in EC

Credits: 3.00

Lecture:

College: College of Education

Department: Elementary Education

This course is designed to allow candidates in the field to integrate theory and practice by enabling them to test, within the school environment, appropriate teaching-learning programs and practices. (0-2-3)

EDEC 7970 - M.Ed. Practicum II in EC

Credits: 3.00

Lecture:

College: College of Education

Department: Elementary Education

This course is designed to allow candidates in the field to integrate theory and practice by enabling them to test, within the school environment, appropriate testing-learning programs and practices. Candidates may elect to extend previous practicum experiences with approval from the instructor. (0-2-3)

EDEC 7980 - M.Ed. Seminar in EC

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Elementary Education

This course is designed to enhance candidate's experiences in practicum. Results from practicum experiences will be reported, and a variety of topics selected for study will be considered. (3-0-3)

EDEC 8000 - Adv Grad Seminar EC

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Elementary Education

Public policy, issues, and concerns as well as futuristic issues in Early Childhood Education will be presented for consideration in the open forum. (3-0-3)

EDEC 8080 - EC Edu in Modern Society

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Elementary Education

A study of contemporary Early Childhood Education with emphasis upon political and sociological elements, program development, and leaders in the field. (3-0-3)

EDEC 8100 - Measurement-Evaluation in EC

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Elementary Education

Investigation and practical application of measurement techniques and instruments used in the evaluation of the growth of young children. (3-0-3)

EDEC 8120 - Qualitative Research

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Elementary Education

A course designed to expand students' understanding of educational research methodology. The course will explore currently accepted qualitative research methods and appropriate interpretations. Students will design a qualitative research proposal for implementation in their classroom. (3-0-3)

EDEC 8380 - Language Development-Reading

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Elementary Education

A study of productive and receptive language development and processes with implications for planning and implementing appropriate language curriculum for children in grades P-5. (3-0-3)

EDEC 8400 - Strat for Teaching E C Science

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Elementary Education

Planning, implementation, and evaluation of early grades science programs will be emphasized. The class will be conducted in a seminar format with class activities built on the science programs of the students' schools. (3-0-3)

EDEC 8480 - Admn-Supv of EC Program

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Elementary Education

A course designed to support the development of teacher leaders in Early Childhood Education. Emphasis is placed on developing leadership skills in the areas of mentoring and supervising pre-service and new teachers, participating in site-based management, and providing leadership in areas of education accountability in Early Childhood Education. (3-0-3)

EDEC 8500 - Strat for Teaching EC Soc Stud

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Elementary Education

A course designed to lead advanced students in the examination of instructional strategies, content material, and evaluation techniques applicable to Early Childhood social studies. Attention will focus on both cognitive and affective learning. (3-0-3)

EDEC 8600 - Adv Strat for EC Mathematics

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Elementary Education

Advanced study of issues and techniques that are critical to effective Mathematics teaching and learning. Focused attention on diagnostic, instructional, and assessment techniques that involve self monitoring and self assessment. (3-0-3)

EDEC 8770 - Trends-Issues in EC Edu Tech

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Elementary Education

An examination of Early Childhood Education as a dynamic field influencing and influenced by various political, social, and educational trends and issues. Emphasis is placed on examining contemporary issues and trends in relation to current education literature. (3-0-3)

EDEC 8780 - Practicum in EC Education

Credits: 3.00

Lecture:

College: College of Education

Department: Elementary Education

A course designed to allow the student in the field to integrate theory and practice by enabling the student to test within the school environment appropriate teaching- learning programs. (0-6-3)

EDEC 8800 - Readings in E C Education

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Elementary Education

A course in selected readings on Early Childhood Education. (3-0-3)

EDEC 8860 - EdS Practicum I in EC

Credits: 3.00

Lecture:

College: College of Education

Department: Elementary Education

This course provides candidates with school-based teacher leadership experiences in grades P-5. The practicum provides an opportunity for candidates to integrate theory and practice by enabling them to test knowledge and skills in the areas of curriculum, instruction, leadership, staff development, and school and community relations. Candidates will make decisions that test their judgments and use the knowledge to improve student learning. (0-2-3)

EDEC 8870 - EdS Practicum II in EC

Credits: 3.00

Lecture:

College: College of Education

Department: Elementary Education

This course provides candidates with school-based teacher leadership experiences in grades P-5. The practicum provides an opportunity for candidates to integrate theory and practice by enabling them to test knowledge and skills in the areas of curriculum, instruction, leadership, staff development, and school and community relations. Candidates will make decision that test their judgments and use the knowledge to improve student learning. (0-2-3)

EDEC 8880 - EdS Seminar in EC

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Elementary Education

This course is designed to enhance candidate's experiences in practicum. Results from practicum experiences will be reported, and a variety of topics selected for study will be considered. (3-0-3)

General Content Education Trac

EDGC 7050 - GC Theoret Frameworks/Analysis

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Education

This course provides a comprehensive and in-depth study of theories that provide a foundation for understanding children in general content classes. The impact of growth and development for planning appropriate and equitable educational programs is studied. The course also explores how various theories underlie teaching decisions and practices in programs for children in general content classes, grades 4-12. (3-0-3)

EDGC 7250 - GC Instructional Strategies

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Education

This course is designed to enhance candidate's knowledge of content, its organization, and its relationships. Candidates are provided strategies and techniques for conveying subject(s) to learners in ways that recognize individual differences using multiple methods to enhance learning. Equitable treatment of learners in an active learning environment is stressed. (3-0-3)

EDGC 7550 - GC Issues and Trends

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Education

This course examines issues, trends, and problems in education. Information sources for research, including print and media resources, will be included. Content will include conceptualizing, completing, and presenting an extensive literature review for a research project to enhance professional writing and presentation skills. (3-0-3)

EDGC 7960 - M.Ed. Practicum I in GC

Credits: 3.00

Lecture:

College: College of Education

Department: Education

This course is designed to allow candidates in the field to integrate theory and practice by enabling them to test, within the school environment, appropriate teaching-learning programs and practices. (0-2-3)

EDGC 7970 - M.Ed. Practicum II in GC

Credits: 3.00

Lecture:

College: College of Education

Department: Education

This course is designed to allow candidates in the field to integrate theory and practice by enabling them to test, within the school environment, appropriate teaching-learning programs and practices. Candidates may elect to extend previously practicum experiences with approval from the instructor. (0-2-3)

EDGC 7980 - M.Ed. Seminar in GC

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Education

This course is designed to enhance candidate's experiences in practicum. Results from practicum experiences will be reported, and a variety of topics selected for study will be considered. (3-0-3)

EDGC 8860 - EdS Practicum I in GC

Credits: 3.00

Lecture:

College: College of Education

Department: Education

This course provides candidates with school-based teacher leadership experiences in content-based classrooms. The practicum provides an opportunity for candidates to integrate theory and practice by enabling them to test knowledge and skills in the areas of curriculum, instruction, leadership, staff development, and school and community relations. Candidates will make decisions that test their judgments and use the knowledge to improve student learning. (0-2-3)

EDGC 8870 - EdS Practicum II in GC

Credits: 3.00

Lecture:

College: College of Education

Department: Education

This course provides candidates with school-based teacher leadership experiences in content-based classrooms. The practicum provides an opportunity for candidates to integrate theory and practice by enabling them to test knowledge and skills in the areas of curriculum, instruction, leadership, staff development, and school and community relations. Candidates will make decisions that test their judgments and use the knowledge to improve student learning. (0-2-3)

EDGC 8880 - EdS Seminar in General Content

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Education

This course is designed to enhance candidate's experiences in practicum. Results from practicum experiences will be reported, and a variety of topics selected for study will be considered. (3-0-3)

Middle Grades Education

EDMG 6100 - Adv Strat of MG Lang Arts

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Middle Grades Education

This course focuses on current research related to middle grades language arts as well as instructional approaches and materials used to teach language arts (3-0-3)

EDMG 6120 - Children's Lit for the M G

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Middle Grades Education

An advanced study of the works of fine authors and illustrators, new and old, as well as the broad spectrum of contemporary and traditional young adult literature. A practical and explicit overview of ways in which teachers (4-8) can evaluate and select books and involve students in literature, with specific suggestions for goals and techniques. Exploration of adolescent preferences and aesthetic responses to visual aspects of their books. Emphasis is on the importance of extending literature throughout the school curriculum. (3-0-3)

EDMG 6220 - Readings in MG Lang Arts

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Middle Grades Education

This course provides a forum for professionals to explore general topics, issues, and current research related to Middle Grades Language Arts. (3-0-3)

EDMG 6221 - Readings In MG Mathematics

Credits: 3.00

Lecture:

College: College of Education

Department: Middle Grades Education

This course provides a forum for professionals to explore general topics, issues, and current research related to Middle Grades Mathematics. (3-0-3)

EDMG 6225 - Adv Rdgs in MG Lang Arts**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

This course provides a forum for professionals to explore a specific topic of interest related to Middle Grades Language Arts. In addition, students produce a review of literature related to selected topic. (3-0-3)

EDMG 6226 - Adv Readings in MG Mathematics**Credits:** 3.00**Lecture:****College:** College of Education**Department:** Middle Grades Education

This course provides a forum for professionals to explore general topics, issues, and current research related to Middle Grades Mathematics. In addition, students produce a review of literature related to selected topics. (3-0-3)

EDMG 6230 - Issues & Trends in MG Educ**Credits:** 3.00**Lecture:****College:** College of Education**Department:** Middle Grades Education**EDMG 6240 - Readings in MG Education****Credits:** 3.00**Lecture:****College:** College of Education**Department:** Middle Grades Education**EDMG 6250 - Adv Readings in MG Education****Credits:** 3.00**Lecture:****College:** College of Education**Department:** Middle Grades Education**EDMG 6400 - Adv Study of MG Science****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Middle Grades Education

A course which focuses on teaching strategies that promote equity in science and technology. It incorporates innovative instructional strategies, science content, educational technology and classroom management. The participants apply their understandings by adapting, implementing and evaluating equitable teaching strategies in their classrooms. (3-0-3)

EDMG 6450 - Science Workshop for MG Teache**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Middle Grades Education

A workshop for updating the knowledge and skills of Middle Grades science teachers. Included are uses of technology in science instruction encompassing computers, software, and other media; laboratory activities; and the examination of commercial science programs. (3-0-3)

EDMG 6500 - Adv Study of MG Soc Studies**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Middle Grades Education

A study of recent developments in Middle Grades social studies with emphasis on current theory and experimentation in curriculum and teaching practices. (3-0-3)

EDMG 6600 - Teaching of M G Mathematics I**Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Middle Grades Education

Activity oriented course that models student centered, discovery approaches to teaching topics in problem solving, set theory, number theory, probability, and introductory geometry based on the NCTM Principles and Standards.

"Best teaching practices" for mathematics instruction at the middle school level will be researched and analyzed.

Also, alternatives will be offered for teaching and assessing student growth in mathematical thinking and mathematical power. (2-2-3)

EDMG 6610 - Teaching of M G Mathematics II**Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Middle Grades Education

A continuation of EDMG 6600, with learning experiences focused on topics in statistics, measurement, and geometry. Emphasis will be placed on research into best practices that promote the development of life-long learning skills and on alternative assessment/grading practices for mathematics instruction in the middle grades. (2-2-3)

EDMG 6650 - Investigations of Math Art**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Middle Grades Education

A course designed to provide teachers with classroom tested ideas that will allow students to experience aesthetics in mathematics. By investigating patterns and geometric transformations students will create vivid and interesting posters and models to decorate any classroom grades 4-8, and at the same time learn how mathematical structures themselves are elegant and beautiful. (3-0-3)

EDMG 6700 - The Arts in Middle Grades**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Middle Grades Education

An advanced study of the role of the expressive arts in the development of young children with recommended practices in qualitative curriculum planning, together with laboratory projects that identify problems in Middle Grades arts, including philosophical, motivational and evaluative aspects. (3-0-3)

EDMG 7020 - Special Problems in M G**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Middle Grades Education

An investigation into problems and issues related to middle school teaching and middle grades curricula. Special readings and field experiences required. (3-0-3)

EDMG 7420 - MG Directed Study-Field Projec**Credits:** 3.00**Lecture:** 1.00**College:** College of Education**Department:** Middle Grades Education

A research-oriented study or project selected according to interests or needs of student. (1-0-3)

EDMG 7550 - Issues & Trends-MG Lang. Arts**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Middle Grades Education

The course is a study of the issues and trends related to teaching language arts in a middle grades setting. Topics may include but are not limited to curriculum, assessment, teaching diverse student populations, and effective instruction.

EDMG 7551 - Issues & Trends in MG Mathemat

Credits: 3.00

Lecture:

College: College of Education

Department: Middle Grades Education

This course is a study of the issues and trends related to teaching mathematics in a middle school setting. Topics may include but are not limited to curriculum, assessment, teaching diverse student populations, and effective instruction.

EDMG 7700 - M G Growth-Development

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Middle Grades Education

A study of the human growth and development focusing on developmental characteristics and nature and needs of young adolescents. Field experience required. (3-0-3)

EDMG 7800 - Parent Family School Collabora

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Middle Grades Education

A course designed to acquaint and expand the knowledge of teachers in the field of education with a variety of innovative programs in existence involving parents as partners in education. The history of parental involvement, the benefits to children, parents, school, and the community as well as research and leadership training in parental involvement are emphasized. Specific programs in early childhood, middle grades and secondary fields will be examined. (3-0-3)

EDMG 7900 - M G Curr Planning-Trends

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Middle Grades Education

A study of the content and methodology of Middle Grades school curriculum. Emphasis is placed on trends in modern curriculum development focusing upon such issues as the nature of the pupil, the nature of learning, function and aims of the middle school, influence of society, and evaluation and revision of the middle school curriculum. (3-0-3)

EDMG 8020 - Org Adm-Supervision of MG Ed

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Middle Grades Education

Problems of organization, administration and supervision of the middle schools with emphasis on proper staff utilization, instruction and evaluation procedures and approaches to the problem of influencing staff members in relation to efficiency. (3-0-3)

EDMG 8300 - The Adolescent Learner

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Middle Grades Education

An advanced growth and development course covering the historical, biological, sociological and moral realities of today's teenagers. Emphasis will be placed on how to deal more effectively with adolescents in the school, home and community. (3-0-3)

EDMG 8380 - Lang Development-Reading

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Middle Grades Education

A course designed to examine the development and operation of an effective language arts program in the Middle Grades. Attention will be given to the four language arts areas of speaking, listening, reading and writing. (3-0-3)

EDMG 8400 - Strategies for Teach Science**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Middle Grades Education

A course which focuses on thematic and science, technology and society (STS) approaches to the curriculum. The participants take part in, review, and evaluate units from innovative curriculum projects and apply their understandings by adapting, implementing and evaluating a unit in their classroom. (3-0-3)

EDMG 8500 - Strat for Teaching Soc Studies**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Middle Grades Education

A course designed to lead advanced students in the examination of instructional strategies, content material, and evaluation techniques applicable to Middle Grades social studies. Attention will focus on both cognitive and affective learning. (3-0-3)

EDMG 8600 - Adv Strat for Teaching MG Math**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Middle Grades Education

Advanced study of issues and techniques that are critical to effective mathematics teaching and learning. Focused attention on diagnostic, instructional and assessment techniques that involve self monitoring and self assessment. Students will participate in a mathematics institute as they work with children in a closely supervised teaching situation in order that they might practice and improve their own teaching. (3-0-3)

EDMG 8740 - Strat for Tchg Middle Grades**Credits:** 3.00**Lecture:****College:** College of Education**Department:** Middle Grades Education

This course will focus on research-based teaching strategies in the content areas of middle grades education. Strategies on facilitating students' engagement in metacognitive learning, higher-order thinking and application in real-world settings will be discussed. Students will evaluate teaching strategies used in curricula and create action plans based on these evaluations. (3-0-3)

EDMG 8840 - Assessment in MG Education**Credits:** 3.00**Lecture:****College:** College of Education**Department:** Middle Grades Education

This course provides an in-dept study of appropriate strategies for assessing the learning of middle grades students. Assessment instruments and procedures for examining development in the cognitive, physical, and social domains are included. The course will also explore issues related to testing in relation to the state standards. (3-0-3)

Reading Education**EDRG 6200 - The Teaching of Reading****Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Reading

An advanced study of instructional techniques and materials for the teaching of reading from preschool through grade twelve. Emphasis is given to the extension of reading competencies, word recognition and comprehension strategies required for success in content areas, and integrated literature-based reading programs, as well as the instructional implications of the psycholinguistic theory. (3-0-3)

EDRG 6210 - Diag-Corr of Reading Difficu**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Reading

Advance study designed for the teaching of reading from preschool through grade twelve in identification, diagnosis and remediation of reading difficulties. Emphasis is on diagnostic-prescriptive reading instruction through mastery of varied diagnostic instruments, instructional procedures, and materials appropriate for use with readers requiring remediation. (3-0-3)

EDRG 6230 - Trends-Prac in Teach Reading**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Reading

A critical analysis of new programs, materials and methods, and developments in reading instruction. Emphasis is given to innovative reading programs as well as to current trends and issues in the teaching of reading. (3-0-3)

EDRG 6240 - Spec Prob in Reading Education**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Reading

A seminar for reading majors only which provides students with an opportunity to study and explore reading topics from selections in the education and psychology libraries which are of individual interest and which strengthen a particular area in the student's program or background. (3-0-3)

EDRG 6250 - Org-Sup of the Reading Prog**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Reading

An analysis of the organization of reading programs P-12, and an investigation of varied supervision techniques. Focus is on the design, management and evaluation of reading programs at the classroom, school and district levels. Particular attention is given to the techniques of assessing needs, settling goals and objectives; determining program resource requirements; coordinating, organizing and monitoring program development and implementation activities; and designing program evaluation strategies. For Reading majors only. (3-0-3)

EDRG 6280 - Tch of Reading in Content Fiel**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Reading

Designed to offer all content area teachers detailed and practical explanations of reading and study strategies needed by students to acquire and use new information. Instruction is built on research-based techniques for teaching these strategies in a broad range of disciplines. Emphasis is on helping students become more efficient, effective readers of content materials and facilitating their learning of the subject matter content. Designed for Middle Grades and secondary teachers and for reading majors. (3-0-3)

EDRG 7420 - RDG Dir Stu - Field Proj**Credits:** 3.00**Lecture:** 1.00**College:** College of Education**Department:** Reading

A research-oriented study or project selected according to interests or needs of student. (1-0-3)

Secondary Education**EDSC 7020 - Special Problems Secondary Edu****Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Secondary Education

A study of problems related to specific curriculum areas in the secondary program. Emphasis is placed upon special projects and independent study. (3-0-3)

EDSC 7420 - SEC Directed - Field Proj

Credits: 3.00

Lecture: 1.00

College: College of Education

Department: Secondary Education

A research-oriented study or project selected according to interests or needs of student. (1-0-3)

Special Education

EDSP 6000 - Special Problems in Special Ed

Credits: 1.00 TO 3.00

Lecture: 1.00 TO 3.00

College: College of Education

Department: Special Education

A study of problems related to curriculum and instruction in Special Education. Recent trends in the education of exceptional individuals. Emphasis is placed upon special projects and independent study. May be repeated for credit. (1-0-1 or 2-0-2 or 3-0-3)

EDSP 6110 - Charact of Ind with Intell Dis

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Special Education

Study of the nature and characteristics of individuals with intellectual disabilities, classification, etiology and incidence, psychological and biological aspects, sociological aspects, learning and education. Field experience required. (3-0-3)

EDSP 6120 - Curr-Meth Intellec Disabilit

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Special Education

Study of curriculum construction, classroom organization and collaboration with others and to ancillary and community services. Field experience required. (3-3-3)

EDSP 6150 - Practicum Intellect Disabiliti

Credits: 3.00

Lecture:

College: College of Education

Department: Special Education

Supervised teaching and participation in an approved instructional setting with individuals with intellectual disabilities. Seminar is required. May be repeated for credit. (0-15-3)

EDSP 6220 - Readings in Special Educ

Credits: 3.00

Lecture:

College: College of Education

Department: Special Education

Study of the materials, methods, techniques and approaches used in an instructional program for gifted students. (3-1-3)

EDSP 6225 - Adv Readings in SPED

Credits: 3.00

Lecture:

College: College of Education

Department: Special Education

This course provides a forum for professionals to explore general topics, issues, and current research related to Special Education. In addition, students produce a review of literature related to selected topic.

EDSP 6230 - Curr-Prog Dev for Gifted Edu**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Special Education

An in-depth study of curriculum construction and program development for gifted and talented students P-12. Field experience required. (3-1-3)

EDSP 6250 - Practic in Gifted Edu I II III**Credits:** 3.00**Lecture:****College:** College of Education**Department:** Special Education

Supervised teaching and participation in an approved instructional setting with gifted students. Seminar required.

May be repeated for credit. Field experience required. (0-15-3)

EDSP 6310 - Charac of Ind with Learn Dis**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Special Education

Study of the nature of learning disabilities with emphasis on definitions, causes, characteristics and needs of individuals with learning disabilities. Field experience required. (3-2-3)

EDSP 6320 - Mat-Meth Learning Disabiliti**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Special Education

Study of curriculum construction, resources, diagnosis, remediation practices and working with families of individuals with learning disabilities. Field experience required. (3-2-3)

EDSP 6330 - Ind of Instr Diag Pres Teachin**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Special Education

Analysis of the remediation process with emphasis on the diagnostic prescriptive approach as used with individuals with difficulty in learning. Includes the use of assessment instruments and Individualized Education Plans. (3-0-3)

EDSP 6350 - Practicum in Learning Disabili**Credits:** 3.00**Lecture:****College:** College of Education**Department:** Special Education

Supervised teaching and participation in an approved instructional setting with learning disabled individuals. May be repeated for credit. (0-15-3)

EDSP 6410 - Charac of Ind with Beh Disord**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Special Education

An in-depth study of the definition, identification and characteristics of students with emotional or behavioral disorders as well as philosophical bases for treatment. Field experience required. (3-2-3)

EDSP 6420 - Mat-Meth for Teach Beh Dis**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Special Education

Planning and implementing educational programs for individuals with behavior disorders and emotional disturbances. Emphasizes intervention techniques and behavior management. Methods, materials and curriculum for regular education and self-contained settings. Field experience required. (3-2-3)

EDSP 6450 - Practicum in Beh-Emo Dis

Credits: 3.00

Lecture:

College: College of Education

Department: Special Education

Supervised teaching and participation in an approved instructional setting with behavior disordered-emotionally disturbed individuals. Seminar required. May be repeated for credit. (0-15-3)

EDSP 6550 - Practicum in Mild Disabilities

Credits: 3.00

Lecture:

College: College of Education

Department: Special Education

Supervised teaching and participation in an approved instructional setting with individuals having mild disabilities. Seminar required. May be repeated for credit. (0-15-3)

EDSP 7000 - Special Topics in Special Ed

Credits: 1.00 TO 3.00

Lecture: 1.00 TO 3.00

College: College of Education

Department: Special Education

Special Topics in Special Education on selected issues, problems and literature. May be repeated for credit. (1-0-1 or 2-0-2 or 3-0-3)

EDSP 7050 - SPED Theoret Frmworks/Analysis

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Special Education

This course provides a comprehensive and in-depth study of theories that provide a foundation for understanding children with special needs. The impact of growth and development for planning appropriate and equitable educational programs is studied. The course also explores how various theories underlie teaching decisions and practices in special education programs.

EDSP 7080 - Leg Eth-Prof Aspects of SpEd

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Special Education

A study of litigation, legislation, ethical and moral issues and the codes of professional conduct in the field of special education. (3-0-3)

EDSP 7250 - SPED Instructional Strategies

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Special Education

This course is designed to enhance candidate's knowledge of content, its organization, and its relationships. Candidates are provided strategies and techniques for conveying subject(s) to learners in ways that recognize individual differences using multiple methods to enhance learning. Equitable treatment of learners in an active learning environment is stressed. (3-0-3)

EDSP 7350 - Sp Ed Curr & Inst Strat

Credits: 3.00

Lecture:

College: College of Education

Department: Special Education

This course is designed to enhance candidate's knowledge of content, its organization and its relationship with an emphasis on curriculum. Emphasis is placed on strategies to improve student learning, working with other professionals on curriculum development as well as expanding candidate's repertoire of instructional skills.

EDSP 7420 - Sp Ed Dir St - Field Proj

Credits: 3.00

Lecture: 1.00

College: College of Education

Department: Special Education

A research-oriented study or project selected according to interests or needs of student. (1-0-3)

EDSP 7500 - Assessment in SPED

Credits: 3.00

Lecture:

College: College of Education

Department: Special Education

Study of assessment techniques and procedures used with exceptional individuals. Experience in administration and reporting form and informal diagnostic and prescriptive techniques. (3-0-3)

EDSP 7510 - Psychoedu Evaluation-Assessm

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Special Education

Study of assessment techniques and procedures for use with exceptional individuals. Experience in administration and reporting formal and informal diagnostic and prescriptive techniques. (3-0-3)

EDSP 7550 - SPED Issues and Trends

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Special Education

This course examines issues, trends, and problems in education. Information sources for research, including print and media resources, will be included. Content will include conceptualizing, completing, and presenting an extensive literature review for a research project to enhance professional writing and presentation skills. (3-0-3)

EDSP 7960 - M.Ed. Practicum I in SPED

Credits: 3.00

Lecture:

College: College of Education

Department: Special Education

This course is designed to allow candidates in the field to integrate theory and practice by enabling them to test, within the school environment, appropriate teaching-learning programs and practices. (0-30-3)

EDSP 7970 - M.Ed. Practicum II in SPED

Credits: 3.00

Lecture:

College: College of Education

Department: Special Education

This course is designed to allow candidates in the field to integrate theory and practice by enabling them to test, within the school environment, appropriate teaching-learning programs and practices. Candidates may elect to extend previous practicum experiences with approval from the instructor. (0-30-3)

EDSP 7980 - M.Ed. Seminar in Special Ed

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Special Education

This course is designed to enhance candidate's experiences in practicum. Results from practicum experiences will be reported, and a variety of topics selected for study will be considered. (3-0-3)

EDSP 7990 - Sem Readings-Research Sp Edu

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Special Education

Current research and topics in Special Education. May be repeated for credit. (3-0-3)

EDSP 8860 - EdS Practicum I in Special Ed**Credits:** 3.00**Lecture:****College:** College of Education**Department:** Special Education

This course provides candidates with school-based teacher leadership experiences in special education. The practicum provides an opportunity for candidates to integrate theory and practice by enabling them to test knowledge and skills in the areas of curriculum, instruction, leadership, staff development, and school and community relations. Candidates will make decisions that test their judgments and use the knowledge to improve student learning. (0-2-3)

EDSP 8870 - EdS Practicum II in Special Ed**Credits:** 3.00**Lecture:****College:** College of Education**Department:** Special Education

This course provides candidates with school-based teacher leadership experiences in special education. The practicum provides an opportunity for candidates to integrate theory and practice by enabling them to test knowledge and skills in the areas of curriculum, instruction, leadership, staff development, and school and community relations. Candidates will make decisions that test their judgments and use the knowledge to improve student learning. (0-2-3)

EDSP 8880 - EdS Seminar in Sp Ed**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Special Education

This course is designed to enhance candidate's experiences in practicum. Results from practicum experiences will be reported, and a variety of topics selected for study will be considered. (3-0-3)

Education - General**EDUC 7000 - Leadership in Education****Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

A study of the issues related to introduction of new teachers and supervision of preservice teachers with emphasis on mentoring and conferencing skills. (3-0-3)

EDUC 7010 - Foundations of Public Education**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

A study of the historical philosophical, socio-cultural, legal, political, economic, and technological foundations of American Education. (3-0-3)

EDUC 7020 - Special Problems in Education**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

A study of problems related to specific curriculum and certification areas. Emphasis is placed upon special projects and independent study. May be repeated for credit in a different curriculum area. (3-0-3)

EDUC 7040 - The Teacher and The Law**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

A study of the legal ramifications of decisions in the school and a study of ethical practices of educators. Case studies and case law are analyzed. (3-0-3)

EDUC 7060 - Third World Ed-Social St Semin**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

This is a seminar course intended to introduce graduate students in education and allied fields to the origin and development of the educational systems in the "Third World". Students will study the geographical, cultural, and political legacy of five hundred years of European imperialism and its impact on Third World countries. Lastly the course will focus on the nature of the educational system in selected Third World countries and conduct a comparison of those systems with the educational system in the United States. (3-0-3)

EDUC 7070 - Comp App for Curr-Classroom**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

To provide teachers with an understanding of the capabilities, uses and limitations of computers, related technology and software as instructional, management and personal tools. (3-0-3)

EDUC 7080 - Intro to Stat in Health-PE**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Health & Human Performance

A course designed to introduce basic statistical concepts and their application to Health and Physical Education research problems. Topics include issues related to descriptive and inferential statistics. (3-0-3)

EDUC 7100 - Computer Based Instruct Media**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

A course focused on presentation and multimedia authoring programs for personal computers. The intent is to give the teachers the ability to create and integrate computer presentations in their daily instruction. A prior knowledge of personal computers is necessary. (3-0-3).

EDUC 7110 - Edu Computing-Lang Develop**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

A course designed to provide in-service teachers with an understanding of major theories of language development and the use of computers and computer software in the development of language and in the development of communication skills. Emphasis is given to written communication, to communication through Hypermedia software and to Internet communication. (3-0-3)

EDUC 7150 - Assess-Man of Classroom Prob**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

A study of appropriate techniques of classroom management and discipline relating to student behavior, learning and motivation. (3-0-3)

EDUC 7300 - Learning Dynamics**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

This course focuses on learning variations that exist in classrooms and how teachers address student diversity to achieve expected outcomes. Emphasis is placed on learning dynamics that include, among others, differentiation, gender, culture, and socioeconomic status. (3-0-3)

EDUC 7400 - Introduction to Ed Research**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

This course provides an introduction to educational research. Candidates learn to make sense of methods and techniques used in the critical analysis of education concepts so that they may be good consumers of educational research. Candidates apply these skills so that they can think systematically about their practice and improve student learning.

EDUC 7420 - EDUC Directed Study-Field Proj**Credits:** 3.00**Lecture:** 1.00**College:** College of Education**Department:** Education

A research-oriented study or project selected according to interests or needs of student. (1-0-3)

EDUC 7500 - Assessment and Learning**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

The course provides an in-depth study of appropriate strategies for assessing student learning and development in the cognitive, physical, and social domains. In addition, candidates learn how to use assessment results to adjust practices to fit the needs of learners as individuals and members of learning communities. The role of assessment in student-based decision making as well as guidelines for the construction, selection, and interpretation of assessment results is included. Issues and trends related to assessment and accountability are emphasized especially in relation to standardized testing. (3-0-3)

EDUC 7510 - Edu Measurement-Evaluation**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

Study of formal and informal tests and measurements and their role in student-based decisions regarding eligibility for programs, classification, and instructional delivery. Includes test construction, selection, interpretation, and criteria for administration. (3-0-3)

EDUC 7520 - Cultural/Ling Differences**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

This course focus on the cultural and linguistic diversity P-12 students. Candidates will examine how culture, language, and other forms of diversity affect student performance in schools. Specific emphasis will be placed on funds of knowledge and culturally-relevant forms of pedagogy.

EDUC 7530 - Theories Lang Acquisition/Dev**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education**EDUC 7540 - Teach/Assess Eng Lang Learners****Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

EDUC 7600 - Technology and Learning**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

The course provides instruction in planning, selecting, producing, utilizing, and evaluating non-print materials. Emphasis is placed on how to use technology to enhance instruction and to assure diverse instructional strategies are used to teach for understanding. (3-0-3)

EDUC 7610 - Education Policy & School Eval**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

This course provides an introduction to educational policy. Candidates will learn about and analyze the policy landscape as well as evaluate policy implications for schools. Specific emphasis is placed on school evaluation.

EDUC 7700 - Growth and Development**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

A study of human growth and development from conception through aging with special readings. Field experience required. (3-0-3)

EDUC 7800 - Collaboration & Professionalis**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

This course emphasizes the need for teachers to collaborate with others, both professional colleagues and parents or guardians, to improve student learning. Research-supported benefits to children, parents, school, and community are emphasized. Additional content includes strategies for building partnerships to enhance student learning and for developing professionalism and working collaboratively to solve educational problems within the school context. (3-0-3)

EDUC 7900 - Curriculum Foundations/Applica**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

This course is designed to enhance candidate's knowledge of content, its organization and its relationships with an emphasis on curriculum. Emphasis is placed on strategies to improve student learning, working with other professionals on curriculum development as well as expanding candidates' repertoire of instructional skills. (3-0-3)

EDUC 8010 - Philosophy of Education**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

An in-depth investigation of the alternatives of philosophical approaches to education and the relevance to education decision making. (3-0-3)

EDUC 8110 - Adv Research Methodology**Credits:** 2.00**Lecture:** 2.00**College:** College of Education**Department:** Education

A study of advanced research methodology and applied research. Problem solving, measurement, experimental design consideration and report presentation. (3-0-3)

EDUC 8120 - Qualitative Research**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

This course is designed to enhance candidate's knowledge of non-traditional qualitative research practices. Candidates will explore a variety of qualitative strategies and methods appropriate for use in classrooms and other educational settings. Additional emphasis is on the interpretation of results and how those can be used to improve practices. (3-0-3)

EDUC 8220 - Field-Based Edu Research**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

This course provides candidates an in-depth study of action research. Candidates will explore the process involved in conducting field-based research and will give special attention to determining uses for results. The use of research results in improving practice and increasing student achievement will be emphasized. (3-0-3)

EDUC 8320 - Leading Teachers and Change**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

This course is designed to provide candidates with knowledge and skills that support their supervision and mentoring of pre-service and novice teachers, participation in site-based management, and inclusion in other teacher-leader situations. Candidates will gain insights in how to assist others in adjusting their practices, using knowledge to promote learning, working collaboratively in learning communities to support pupil learning, and accessing community resources to encourage increased achievement. (3-0-3)

EDUC 8340 - Methods Educational Research**Credits:** 3.00**Lecture:****College:** College of Education**Department:** Education

This course offers an overview of key methodological principles and approaches to quantitative, qualitative, and/or mixed methods research. Students will read a rich array of data-based journal articles applying different research methods and possibilities in educational research. Students develop skills to critically analyze quantitative, qualitative studies and/or mixed methods and the various components of research design. Students will develop an understanding of what is involved in designing original research and design a either quantitative, or qualitative, mixed methods research proposal. Students are required to wite a literature review as the outcome of this course. (3-0-3)

EDUC 8420 - Mentor, Coach & Facilit Lrng**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

This course is designed for candidates to develop skills for enhancing supervision of others for the purpose of managing and monitoring pupil learning. Candidates will develop knowledge of strategies and techniques that promote articulating goals for pupils, learning in group settings, enhancing the engagement of pupils during the learning experiences, using a variety of methods to promote learning, and assessing pupil progress to support further learning. (3-0-3)

EDUC 8440 - Adv Research Methodology II**Credits:** 1.00**Lecture:****College:** College of Education**Department:** Education

During this course, candidates will prepare a reserach paper based onthe implementation of their research proposal during the previous methodology course.

EDUC 8520 - Promot Lrng Diverse Educ Clima**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

This course is designed to address the needs of P-12 students and learning in a diverse society. This course examines the factors affecting the achievement of equal educational opportunities for all students, including those of race, ethnicity, class and gender. It emphasizes awareness and understanding of culturally diverse students, and develops skills to enhance their educational environments. (3-0-3)

EDUC 8540 - Differentiation Strat in Educ**Credits:** 3.00**Lecture:****College:** College of Education**Department:** Education

This course provides a forum for professionals to develop an understanding and appreciation of the importance of differentiating instruction in today's classroom. Teachers will learn about the importance of challenging and supporting each student's learning by providing appropriate content and developing skills which address individual learning differences. (3-0-3)

EDUC 8620 - Curric/Assessment to Link Lrng**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

This course is designed to provide candidates knowledge of how content is organized and linked to learning. In addition, candidates will develop knowledge of how to generate multiple paths to knowledge and how to convey knowledge and skills to pupils. Emphasis will be placed on how that knowledge can be used in the teacher-leader role to support pupil learning. (3-0-3)

EDUC 8640 - Literacies,Digital Tech & Lrng**Credits:** 3.00**Lecture:****College:** College of Education**Department:** Education

This course provides a forum for professionals to develop an understanding and appreciation of the importance of digital technology usage in today's classroom. Students will learn how to navigate, evaluate, create, and critically apply information by using a wide variety of digital technologies. (3-0-3)

EDUC 8720 - Legal Aspects in Education**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

This course includes content related to the legal ramifications of decisions in the schools. Among the topics considered are decisions relating to the education of all students including those with special needs, various regulations concerning accountability and student learning, and school effectiveness. (3-0-3)

EDUC 8860 - EdS Pract I General Content**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education**EDUC 8870 - EdS Pract II General Content****Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education

EDUC 8880 - EdS Seminar General Content

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Education

Elementary Education

EEDC 6220 - Readings in Elementary Educati

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Education

EEDC 6225 - Adv. Rdgs in Elementary Educ

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Education

EEDC 7050 - Theoretical Frmworks in Elem.

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Education

EEDC 7350 - Elem Curriculum & Instr Strat

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Education

EEDC 7500 - Adv Assess of Lrg in Elm Edu

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Education

EEDC 7550 - Issues & Trends in Elem Edu

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Education

EEDC 7800 - Family & School Partnerships

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Education

EEDC 8400 - Strat For Tchg Elem Science

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Education

EEDC 8500 - Strat For Tchg Elem Social Stu

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Education

EEDC 8600 - Strat for Tchg Elem Math**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education**EEDC 8860 - EdS Pract I in Elem Educ****Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education**EEDC 8870 - EdS Pract II in Elem Educ****Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education**EEDC 8880 - EdS Seminar in Elem Educ****Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Education**English****ENGL 5010 - Intro to Literacy Studies****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

This course provides first-year graduate students with an overview of significant historical and rhetorical texts which have informed educational standards of literacy and subsequent educational policies and practices since the mid-19th century. (3-0-3)

ENGL 5200 - Literature & Critical Literacy**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

This course provides students with a framework to connect research in literacy studies with literary interpretation and literary history. Special attention paid to scholarly fields in literacy studies with a close relationship to literature such as the history the book, cultural studies, critical literacy, and new literacies. Prerequisite: Graduate Admissions. (3-0-3)

ENGL 5215 - Comp and Critical Literacy**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

An Advanced course in composition studies and critical literacy, which focuses on theories of writing and of learning how to write as well as on improvement in writing and diverse methods of teaching of writing. Prerequisite: Graduate Admissions (3-0-3)

ENGL 6180 - Ad Top in Brit Lit before 1785**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

An advanced course in a topic in British Literature before 1785 which models research methods and techniques for students in the graduate program. (3-0-3)

ENGL 6190 - Adv Top in Brit Lit after 1785

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

An advanced course in a topic in British Literature after 1785 which models research methods and techniques for students in the graduate program. Prerequisite: Graduate Admissions (3-0-3)

ENGL 6215 - Teaching College Writing

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Teaching College Writing studies characteristics of writing, approaches to the teaching of writing, and methods for the evaluation of writing. Prerequisite: Graduate Admission acceptance. (3-0-3)

ENGL 6240 - Ad Top in Am Lit after 1865

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

An advanced course in a topic in American Literature after 1865 which models research methods and techniques for students in the graduate program. (3-0-3)

ENGL 6250 - Ad Top in Am Lit before 1865

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

An advanced course in a topic in American Literature before 1865 which models research methods and techniques for students in the graduate program. Prerequisite: Graduate Admission. (3-0-3)

ENGL 6260 - Graphic Novel

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

An Advanced course exploring the history of the graphic novel, as well as relevant theory and pedagogical applications at the graduate level. Prerequisite: Graduate Admission. (3-0-3)

ENGL 6300 - Sem Technologies of Literacy

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

The course investigates the origins and development of the technologies associated with reading and writing, including oral performance texts, handmade texts, printed texts, and digital texts. The course also investigates how the medium of a text influences the nature of its meaning, as well as the educational technologies by which literacies are taught, transmitted, and preserved. (3-0-3)

Prerequisites:

ENGL 5010 Minimum Grade: C

ENGL 6350 - Cultural Studies in Rhetoric

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

This course emphasizes the socio-cultural trends which have shaped competing rhetorical theories and the application of such theories for the purpose of critically examining and assigning value to cultural artifacts.

Prerequisites: Graduate admission. (3-0-3)

ENGL 6400 - Advanced Top in Crit Theory

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

An advanced course exploring a topic or field in critical, literary, or cultural theory at the graduate level.

Prerequisite: Graduate Admission. (3-0-3)

ENGL 6440 - Advanced Top in Rhet and Writ

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

An advanced course exploring a topic or field in rhetoric and/or writing studies at the graduate level. Prerequisite: Graduate admissions (3-0-3)

ENGL 6460 - Ad Top in Postcolonialism

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

An advanced course in a topic in Postcolonial Literature which models research methods and techniques for students in the graduate program. Preequisite: Graduate Admission. (3-0-3)

ENGL 6470 - Advanced Topics in Literacy

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

An advanced course exploring a topic or field in literacy studies. Possible topics include, but are not limited to: literacy and disability; digital literacy; sex, gender and literacy; race and literacy; literacy and critical pedagogy; composition and literacy studies; and histories of literacy. Prerequisite: Graduate Admission. (3-0-3)

ENGL 7000 - Qualitative Research

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

This course is designed to develop the student as discriminating consumer of research and a knowledgeable practitioner of qualitative research. The student will be introduced to the major genres of research (experimental, ethnographic, descriptive, historical, naturalistic) and the components of a research study. Prerequisite: Graduate admission (3-0-3)

ENGL 7100 - Master Thesis/Portfolio Option

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

This course is an independent research project. A student may choose the Master's Thesis Option in which he or she investigates an area or problem relating to critical literacy, literacy or a related field. A student may choose the Portfolio Option and create a portfolio as the capstone project for their degrees. Prerequisites: Satisfactory completion of all coursework and a passing score on the comprehensive exam. (3-0-3)

Geology**GEOL 5111 - Special Problems Earth Science**

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

A graduate-level course to provide the graduate student with an opportunity to follow a specific program of study in the earth sciences under the direction of an instructor of the student's choice. (3-0-3)

GEOL 6121 - Earth Science for Teachers**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

A physical geology course designed for middle and secondary science teachers. An integrated lab and lecture format will provide a better understanding of geologic processes and proficiency in distinguishing and classifying common earth materials. The course will also allow the participants to develop new classroom techniques and assemble useful resource materials. (3-0-3)

Mathematics**MATH 5000 - Algebra for Middle Grades****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

This is the first course in the Middle Grades Mathematics Initiative. Students will become proficient in algebra content prescribed by GPS guidelines. Appropriate technology and manipulatives will be incorporated in the course. (3-0-3)

MATH 5001 - Geometry for Middle Grades**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

This is the second course in the Middle Grades Mathematics Initiative. Students will become proficient in geometry content prescribed by GPS guidelines. Appropriate technology and manipulatives will be incorporated in the course. (3-0-3)

MATH 5002 - Number Theory for Middle Grades**Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**Department:** Mathematics

This course teaches students concepts in Number Theory and discrete probability appropriate for middle grades classroom with emphasis on problem solving, active learning, and appropriate technology, including calculators, electronic resources, and manipulatives. (3-0-3)

MATH 5003 - Statistics for Middle Grades**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

Introduces teachers to concepts, manipulatives, and technology appropriate for teaching probability and statistics in the middle grades classroom. Emphasizes the use of real world data. (3-0-3)

MATH 6619 - Computational Geometry**Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**Department:** Mathematics

This course is designed to give graduate students a working knowledge of algorithms for solving geometric problems on a computer. Topics include polygonal triangulation and partitioning, convex hulls, Voronoi diagrams & arrangements, search and intersection algorithms, motion planning, robustness, and randomized algorithms. (3-0-3)

MATH 6640 - Partial Differential Equations**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

This course introduces graduate students to those elements of partial differential equations that play a central role in science, geometry, analysis and computational modeling. (3-0-3)

MATH 6675 - Spec Probs in Mathematics**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

Individual work providing students with the opportunity to follow a specific program of study under the direction of a qualified instructor. (3-0-3)

MATH 7710 - Foundations of Algebra**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

The course offers graduate students a comprehensive overview of algebraic theories and structures including number theory, theory of equations and number fields, as they relate to the teaching of secondary mathematics. (3-0-3)

MATH 7711 - Foundations of Statistics**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

This course is designed to give graduate students a rigorous overview of probability & statistics. (3-0-3) .

MATH 7712 - Foundations of Geometry**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

A study of Euclidean axiomatic geometry, betweenness, congruence, parallelism, axiomatic systems, & non-Euclidean geometries. (3-0-3)

MATH 7713 - Foundations of Analysis**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

This course is designed to give graduate students a rigorous overview of the subject, as a prerequisite to teaching the subject. (3-0-3)

MATH 7715 - Algebraic Geometry I**Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**Department:** Mathematics

This course introduces students to modern computational algebraic geometry using algorithms of Buchberger and Hironaka. Topics include affine varieties, Groebner bases, elimination theory, nullstellensatz, applications to robotics and automatic geometric theorem proving. (3-0-3)

MATH 7790 - History and Philosophy of Math**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

Graduate-level survey with emphasis on topical and thematic research, and their use in teaching mathematics. Permission of instructor and graduate standing required. Offered every fall semester. (3-0-3)

Prerequisites:

MATH 2221 or MTH 210

NURS 6100 - Prin Lead&Mgt HealthCare Org**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

Transitioning from novice to expert in the role of a nursing leader is explored in this course. Content includes theoretical foundation of effective leadership which will enable the student to function effectively in a leadership role in various settings. The management of human, fiscal and physical health care resources will be emphasized. Prerequisite: Admission to Graduate program in the School of Nursing) (3-0-3)

NURS 6104 - Theory Graduate Nsg Practice**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

This course prepares nurses to transition into new roles and advanced nursing practice by exploring a wide range of theories from nursing and other sciences. Students will understand the role of knowledge development in advancing a discipline. Students will critique, analyze, and evaluate selected nursing, educational and leadership theories and incorporate these theories into their advanced nursing practice roles. (3-0-3) Prerequisites:

Admission to Graduate Nursing Program or Senior Standing in BSN Program with 3.00 GPA. Corequisites: None.

NURS 6105 - Research Evidence-Based Nsg Pr**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

This course builds upon undergraduate statistics and research courses and will focus on the relationship between nursing theory, research, and practice for evidence-based practice. This course will focus on issues such as the identification of practice and system problems, evaluation of research studies and systematic reviews, development and implementation of evidence-based practice guidelines, use of evidence-based guidelines, use of evidence-based practice to improve outcomes for individuals and groups of patients as well as health care systems, and differentiation of evidence-based and value-based approaches to practice. Students are expected to integrate an evidence-based approach into their practice. (3-0-3) Prerequisites: Admission to Graduate Nursing Program or Senior Standing in BSN Program with 3.00 GPA. Corequisites: None.

NURS 6106 - Advanced Pharmacology**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

This course includes principles of pharmacokinetics, pharmacodynamics, drug metabolism and transport, assessment of drug effects, drug therapy in special populations, and contemporary drug development as a foundation for the use of medications in the clinical management of diseases. Major classes of drugs will be discussed in terms of actions; therapeutic and other effects; adverse, allergic and idiosyncratic reactions; indications and contraindications. Emphasis is placed on nursing responsibility, accountability, and application of the nursing process regarding drug therapy in a variety of settings with individuals across the life span.

Prerequisite: Admission to Graduate Nursing Program or Senior Standing in BSN Program with 3.00 GPA (3-0-3)

NURS 6107 - Advanced Pathophysiology**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

This course focuses on developing advanced knowledge of physiological and pathophysiological concepts related to human response to illness. The student will apply these concepts across the lifespan to support clinical decision making by the advanced practice nurse. Emphasis will be placed on important pathophysiological concepts needed to support the goals of Healthy People 2020 to improve clients' quality of life and reduce health disparities. (3-0-3) Prerequisites: Admission to Graduate Nursing Program or Senior Standing in BSN Program with 3.00 GPA. Corequisites: None.

NURS 6110 - Principles of Educ in Nurs**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

This course focuses on the theoretical foundations of teaching, learning innovations, and the multifaceted role of a nurse educator in multiple settings. Expectations of a leader in nursing education are explored. Prerequisite: Admission to the Graduate Nursing Program. (3-0-3)

NURS 6119 - Information Tech. Health Care**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

This course examines the implications of the use of health care technology in the workplace as it impacts the areas of advanced clinical practice, nursing administration, and nursing education. Consideration is also given to ethical principles guiding the use of health care technology, and to the organizational and financial issues associated with legislation and public organizational policies. This course provides hands-on experience with a certified EHR that accentuates the opportunity for students to assess the potential of such systems to provide decision support and to improve patient outcomes. (3-0-3) Pre or Co-requisites; Admission to Graduate Nursing Program.

NURS 6127 - Scientific UP of the APN Role**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

Students explore components and variations of the advanced practice role and how social policy and healthcare delivery influence are influenced by the role. Legal definitions and professional interpretations of advance practice nursing are examined in relation to healthcare outcomes, resource allocation and cost effectiveness. Prerequisite: Admission to the Graduate Nursing Program. (3-0-3)

NURS 6129 - Hlth Care Del Mod Econ Policy**Credits:** 2.00**Lecture:** 2.00**College:** College of Nursing & Health Sc**Department:** Nursing

This course is designed for the nurse leader/manager to develop an understanding of the complex regulatory environment in health care delivery systems and the interrelatedness of performance and quality improvement. Also, the framework for understanding the role and contributions of nurse leaders/managers within the healthcare system will be explored. Issues such as public reporting, pay for performance, measurement of patient satisfaction, and other emerging and timely topics will be discussed. Prerequisite: Admission to the Graduate Nursing Program. (2-0-2)

NURS 6210 - Mgt Human Resources Hlth Care**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

This course will provide the knowledge needed for the nurse leader/manager to be competent in healthcare human resource management. This course will focus on recruitment, selection, and training issues and also on how human resource management needs to be integrated into the strategic planning of the organization. Legal, ethical, and labor issues will be discussed, as well as health and safety issues, and the regional, national and global influences on human resource planning and management. (3-0-3) Prerequisites: Admission to the Graduate Nursing Program. Corequisites: None.

NURS 6220 - Effective Teach/Learn Strategy**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

This course is an overview of a variety of learning and instructional strategies to assist in the implementation of teaching plans. General principles and methodologies related to learning and instruction are integrated into face-to-face and technology enhanced techniques. Prerequisite: Admission to the Graduate Nursing Program or Senior Standing in BSN Program with 3.00 GPA. (3-0-3)

NURS 6225L - Adv. Health Assessment Lab

Credits: 0.00

Lecture:

College: College of Nursing & Health Sc

Department: Nursing

(0-3-0)

Corequisites:

NURS 6225

NURS 6226 - Diagnostic & Clinic. Reasoning

Credits: 2.00

Lecture: 2.00

College: College of Nursing & Health Sc

Department: Nursing

This course focuses on diagnostic reasoning as a framework to synthesize knowledge for comprehensive assessment of primary care patients throughout the life span. Advance health assessment techniques are emphasized and refined. Diverse types of approaches are used in expanding proficiency in conduction histories and physical examinations in laboratory and clinical settings including communication techniques unique to the specialty population. Systematic and organized health assessments that are sensitive to cultural and developmental needs are explored. (2-0-2) Prerequisite: Admission to the Graduate Nursing Program.

NURS 6230 - Health Care Delivery Systems

Credits: 3.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

This course is designed for the nurse leader/manager to develop an understanding of the complex regulatory environment in health care delivery systems and the interrelatedness of performance and quality improvement. Also, the framework for understanding the role and contributions of nurse leaders/managers within healthcare systems will be explored. Issues such as public reporting, pay for performance, measurements of patient satisfaction, and other emerging and timely topics will be addressed. (3-0-3) Prerequisites: Admission to the Graduate Nursing Program. Co-requisites: None.

NURS 6240 - Health Care Finance

Credits: 3.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

This course will examine the economic and financial issues that are unique to organizations in health care delivery. It will include an understanding of accounting principles, financial analysis and decision making tools needed for nurse leaders. Also included are the principles of economics and the role of accounting and finance on the financial decision making of healthcare managers and executives. In addition, reimbursement issues will be discussed, as will the current and future considerations of paying for health care. (3-0-3) Prerequisites: Admission to the Graduate Nursing Program. Corequisites: None.

NURS 6330 - Evaluation of Learning

Credits: 3.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

This course will provide methods of assessing learning outcomes for individuals and groups in academic and clinical settings. Emphasis is placed on theoretical reflections and empirical methods used to evaluate educational programs, institutions, personnel, and students. (3-0-3) Prerequisite: Admission to Graduate Nursing Program.

NURS 6407 - Practicum**Credits:** 3.00**Lecture:** 0.00**College:** College of Nursing & Health Sc**Department:** Nursing

This clinically based course operationalizes the theoretical principles and norms studied in previous graduate nursing courses. Students will have the opportunity to assume the role of nursing educator, leader or informaticist and apply concepts within the selected program track. Corequisite: NURS 6999; Prerequisites: For Leadership track: NURS 6100, NURS 6210, NURS 6230, and NURS 6240; for students in Educator track: NURS 6110, NURS 6220, NURS 6330, and NURS 6440; for students in Informatics track: NURS 6720, NURS 6730, NURS 6740, NURS 6750, and NURS 6760. (0-9-3) (135 clinical hours are required)

Corequisites:

NURS 6999

NURS 6421 - Advanced Health Assessment**Credits:** 3.00**Lecture:** 2.00**College:** College of Nursing & Health Sc**Department:** Nursing

This course in health assessment expands the nurse's knowledge of cognitive processes and psychomotor skills needed for comprehensive assessment of clients across the lifespan. Techniques and processes of performing a physical, mental, developmental, and nutritional assessment, obtaining a health history, performing selected diagnostic procedures, and recording findings will be conducted. Interviewing skills that enable the nurse to relate to various clients across the life span will be refined. The process whereby the advanced practitioner utilizes comprehensive physical, psychosocial, and cultural assessment across the lifespan to gather specific data relevant to common health problems is demonstrated. Faculty and preceptors facilitate laboratory and clinical experiences, which focus on assessment of clients and presentation of findings in a variety of settings. (2-3-3) Pre-requisites and co-requisites: NURS 6107 Advanced Pathophysiology, NURS 6226 Diagnostic & Clinical Reasoning. This course requires a lab component.

NURS 6421L - Advanced Health Assessment Lab**Credits:** 0.00**Lecture:****College:** College of Nursing & Health Sc**Department:** Nursing

(0-3-0) Co-requisite: NURS 6421

Corequisites:

NURS 6421

NURS 6422 - Primary Care Adults Lifespan I**Credits:** 6.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

This is the first of two courses that focuses on the primary care health concerns of young adults, adults and older adults and facilitates student development in the nurse practitioner role. The course prepares students to assume entry level responsibility diagnosis and management of common acute and chronic health problems. Students demonstrate clinical competency and skills in precepted clinical experiences. Using evidenced based guidelines, students assess health behaviors, plan and implement culturally appropriate strategies for health promotion and disease prevention, and evaluate health outcomes. Health maintenance and health restoration are explored in light of contemporary health care environments, including underserved and vulnerable populations. This course requires a lab component. (3-9-6)

NURS 6422L - Primary Care Adults Life Lab**Credits:** 0.00**Lecture:** 0.00**College:** College of Nursing & Health Sc**Department:** Nursing

Primary Care of Adults Across the Lifespan Lab Co-requisite: NURS 6422 Primary Care of Adults Across the Lifespan. (0-3-0)

NURS 6423 - Primary Care Across Lifespan II**Credits:** 6.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

This the second of two courses that prepare family nurse practitioner students to assume the entry level responsibility of diagnosis and management of common acute and chronic health concerns of young adults, adults, and older adults in a primary care setting. Students demonstrate clinical competency and skills in pre-cepted clinical experiences. Using evidenced based guidelines, students assess health behaviors, plan and implement culturally and ethically appropriate strategies for health promotion and disease prevention, and evaluate health outcomes.

Health maintenance and health restoration are explored in light of contemporary health care environments, including underserved and vulnerable populations. (0-9-0) Prerequisites: NURS 6107, NURS 6421, NURS 6226, NURS 6422, minimum grade of C required. This course has a lab component.

Prerequisites:

(NURS 6107 Minimum Grade: C and NURS 6421 Minimum Grade: C and NURS 6226 Minimum Grade: C and NURS 6422 Minimum Grade: C)

NURS 6423L - Primary Care Across Lifespan II Lab**Credits:** 0.00**Lecture:** 0.00**College:** College of Nursing & Health Sc**Department:** Nursing

Primary Care Across Lifespan II Lab Co-requisite: NURS 6423 (0-9-0)

Corequisites:

NURS 6423

NURS 6424 - Primary Care of Pediatric Pop**Credits:** 7.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

This course is designed to prepare Family Nurse Practitioners to assume responsibility for health promotion, maintenance, and management of common acute and chronic health problems of women of child-bearing age, infants, children, and adolescents in health care settings. Emphasis is on the description of the condition or disease, etiology and incidence, clinical findings, differential diagnosis, management, complications, and preventive and education measures. Consideration is given to cultural and ethical issues that affect health care delivery and client adherence to the management plan. Established protocols for patients are used to indicate the need for consultation, referral, and community resources. (3-12-7) Prerequisites: NURS 6107, NURS 6225, NURS 6128 NURS 6226, NURS 6227, NURS 6228. Co-requisites: none.

Prerequisites:

(NURS 6107 Minimum Grade: C and NURS 6225 Minimum Grade: C and NURS 6128 Minimum Grade: C and NURS 6226 Minimum Grade: C and NURS 6227 Minimum Grade: C and NURS 6228 Minimum Grade: C)

NURS 6424L - Primary Care of Pediatrics Lab**Credits:** 0.00**Lecture:** 0.00**College:** College of Nursing & Health Sc**Department:** Nursing

NURS 6424 Obstetrics and Pediatrics Lab Co-requisite: NURS 6424 (0-4-0)

Corequisites:

NURS 6424

NURS 6425 - Nurse Practitioner Practicum**Credits:** 6.00**Lecture:****College:** College of Nursing & Health Sc**Department:** Nursing

... The nurse practitioner practicum experience provides the student an opportunity to assume responsibility for the primary healthcare services of individuals and families under the supervision of an established nurse practitioner and/or physician preceptor. Students will be expected to practice as a Nurse Practitioner, assuming increasing responsibility for planning and implements therapeutic processes and for documenting and evaluating outcomes of care. This intensive practice experience allows the student to apply theories through the investigation and management of health problems in primary healthcare settings. Prerequisites: NURS 6105, 6125, 6127, 6128, 6129 and 6225 with a grade of "B" or better. (0-18-6)

Corequisites:

NURS 6129

Prerequisites:

(NURS 6105 Minimum Grade: C and NURS 6107 Minimum Grade: C and NURS 6108 Minimum Grade: C and NURS 6128 Minimum Grade: C and NURS 6225 Minimum Grade: C and NURS 6226 Minimum Grade: C and NURS 6227 Minimum Grade: C and NURS 6228 Minimum Grade: C and NURS 6229 Minimum Grade: C)

NURS 6440 - Curriculum Development

Credits: 3.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

This course examines the principles, philosophies, and theories used in curriculum development for Nursing. Graduate students will define, design, and analyze a selected curriculum model. (3-0-3) Prerequisite: Admission to Graduate Nursing Program

NURS 6700 - Principles Clinic Informatics

Credits: 3.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

This foundational course provides an overview of informatics and the role it plays in healthcare using theory, practice, and applications. Principles of informatics will allow the enhancement of understanding the transformation of data into information and knowledge while understanding the essential elements of informatics practice to lead and support improvements in healthcare. Learners will analyze roles, theories, ethical implications, standards of practice, and policy/legal regulations. (3-0-3) Prerequisite: Admission to the Graduate Nursing Program.

NURS 6710 - Concepts of Informatics I

Credits: 3.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

This course focuses on the fundamental understanding of the database structure including the management/function, data query, data analysis using statistical concepts and addresses the interdisciplinary emerging field of informatics. The learner will explore key concepts of informatics including knowledge of software and hardware in healthcare, clinical devices, information management, communication technologies, the application of technology to clinical workflow, education to end users, and professional development. Prerequisites: Admission to the Graduate Nursing Program or Graduate Certificate Program and Principles of Informatics. (3-0-3)

NURS 6711 - Concepts Clinical Informatics

Credits: 3.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

Building upon knowledge and understanding of Informatics I, this course focuses on advanced knowledge in informatics. The learner will examine key concepts ranging from interoperability, big data, decision support tools, continuation of data query and reporting, data integration, warehousing, back up processes, downtime procedures, and disaster recovery. (3-0-3) Prerequisites: NURS 6700 and NURS 6710. Co-requisites: none.

Prerequisites:

(NURS 6700 Minimum Grade: C and NURS 6710 Minimum Grade: C)

NURS 6720 - Applied Statistics Data Mining**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

Emphasizes the application of statistical and analytical procedures used in health care and nursing research. This project-based course provides a review of fundamentals of inferential statistics and also offers an introductory study of data modeling, data retrieval and data mining. Emphasis is placed on the use of PC-based tools for conducting analyses of clinical data. (3-0-3) Prerequisites: Admission to the Graduate Nursing Program or to the Graduate Certificate Program. Co-requisites: None.

NURS 6730 - Process Improvement Healthcare**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

This "hands on", project-based course provides a discussion of recent developments in the management of quality and process improvement in the healthcare industry. Topics include: an overview of healthcare quality leadership requirements, teambuilding and project management quality management; quality and process improvement initiatives; methodologies for continuous process improvement; and emerging trends in healthcare quality management. (3-0-3) Prerequisites: Admission to the Graduate Nursing Program or to the Graduate Certificate Program. Co-requisites: None.

NURS 6740 - Health Info Exch Stand Models**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

This course provides students with a general introduction to the data standards necessary to achieve interoperability within and among complex healthcare organizations. Emphasis is placed on the nature, role and services provided by Health Information Organizations (HIOs) including Regional HIOs. Additional study of the strengths and weaknesses of the Centralized, Federated, and Hybrid models used for HIE. (3-0-3) Prerequisites: Admission to the Graduate Nursing Program or to the Graduate Certificate Program. Corequisites: None.

NURS 6750 - Health Systems Project Mgmt**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

This project-based course is designed to help students develop skills in facilitating strategic planning and management of complex projects in health care organizations. Learning activities will focus on managing the successful implementation of EHRs, including action planning, strategy implementation, evaluation of the planning process, budgeting, change management, assessment of organizational culture and behavior, scope creep, managing expectations, balancing competing priorities, and compliance reporting. Fundamental principles of project management such as planning, scheduling, resource allocation, and tracking are applied to a healthcare information system project. (3-0-3) Prerequisites: Admission to the Graduate Nursing Program or to the Graduate Certificate Program. Co-requisites: None.

NURS 6760 - Clinical Decision Support Syst**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

This course provides an overview of clinical decision support systems and provides the student with a "hands-on" experience in three approaches; diagnostic decision support tools, alerts and reminders, and decision trees. In addition, methods for critiquing decision support tools for validity and utility for nursing practice are examined. (3-0-3) Prerequisites: Admission to the Graduate Nursing Program or to the Graduate Certificate Program.

NURS 6800 - Independent Study (opt)**Credits:** 1.00 TO 2.00**Lecture:****College:** College of Nursing & Health Sc**Department:** Nursing

An independent study allows the graduate nursing student to explore, extend and enrich content introduced in courses in the MSN program. Students may elect to use these hours on a topic related to their area of focus or on a topic or method related to their proposed MSN project. 1-2 variable hours. Prerequisites: None Co-requisites: None.

NURS 6910 - Practicum I

Credits: 5.00

Lecture: 0.00

College: College of Nursing & Health Sc

Department: Nursing

This course will initiate the faculty-student guided project/thesis which addresses a significant problem or issue within the nursing profession. Students will begin to choose a problem of concern of a (nurse educator/nurse leader/nurse informaticist). The project is a research based project which synthesizes knowledge and information from previous courses to develop and plan the project (implementation and evaluation will be completed in Practicum II). This course will also be a clinically based course which will apply the theoretical principles and norms studied in previous graduate courses. Students will have the opportunity to assume the role of nursing educator, leader, or informaticists in clinical/academic settings and apply concepts learned within the selected program track. Students are expected to complete 500 clinical hours for the course. (0-15-5)

NURS 6920 - Practicum II

Credits: 3.00

Lecture: 0.00

College: College of Nursing & Health Sc

Department: Nursing

This clinically and quality improvement project-based course operationalizes the theoretical principles and norms studied in previous graduate nursing courses and is a continuation of NURS 6910 Practicum I course. Students will have the opportunity to assume the role of nursing educator, leader, or informatics and apply concepts within the selected program track in a clinical practicum setting. Students will also work on a faculty-guided quality improvement project that addresses a significant problem or issue within the nursing profession. Students will choose a problem or concern that is of concern for their declared track to complete their QI project. Students will complete 270 clinical hours of practicum II in their respective advanced nurse roles. (0-18-6) Pre or co-requisites: For students in the leadership track: NURS 6100, NURS 6104, NURS 6105, NURS 6910 and one of the following NURS 6230, NURS 6210, NURS 6240; for students in education track; NURS 6110, NURS 6104, NURS 6105, NURS 6910, and one of the following NURS 6220, NURS 6330, NURS 6440; for students in the informatics track: NURS 6700, NURS 6104, NURS 6710, NURS 6105, NURS 6910.

NURS 6999 - Focused Project

Credits: 3.00

Lecture:

College: College of Nursing & Health Sc

Department: Nursing

The main focus of this course will be a faculty-guided project/thesis that addresses a significant problem or issue within the nursing profession. Students will choose a problem that is of concern to nurse educators or one of concern to nurse leaders, appropriate for their declared track. The project is a research-based project that synthesizes knowledge and information from previous courses to develop, implement and evaluate the project. The thesis is a result of the research process utilizing primary or secondary data analysis and supports the synthesis of knowledge and information from previous courses. Students will be expected to provide an oral defense of the project/thesis. Students choosing to complete course requirements through a paper presentation will also be expected to complete a comprehensive exam. Prerequisite: Approval by the Nursing Graduate Program Director. (0-0-3)

Health & Physical Education

PHEG 6000 - Problems-Trends in Hea-PE

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

A study of the current pertinent problems and trends an instructor may expect to encounter when teaching health . (3-0-3)

PHEG 6010 - Physiology of Exercise

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

Lectures and readings in current literature to provide reasonable depth in selected areas of physiology as applied to activity and health. (3-1-3)

PHEG 6020 - Preventive Care Ath and Injury

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

Analysis of common athletic injuries, conditioning, and safety practices. (3-0-3)

PHEG 6030 - Foundations of Health-PE

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

A study of the history, philosophy, concepts, and scientific foundations of health and physical education. (3-0-3)

PHEG 6050 - Elementary Physical Education

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

A study of current trends and developments in activity programs for elementary school physical education. (3-2-3)

PHEG 7010 - Org-Adm of Health-PE

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

Basic principles and procedures for the effective organization, administration, and supervision of health and physical education programs. (3-0-3)

PHEG 7020 - Meas-Eval of Health-PE

Credits: 3.00

Lecture:

College: College of Education

Department: Health & Human Performance

The selection, application, and evaluation of certain existing tests and measures appropriate in health and physical education. (3-0-3)

PHEG 7030 - School Health Program

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

Principles, procedures, materials, and methods of school health education. (3-0-3)

PHEG 7040 - Current Const Health-PE

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

Deals with the principles, problems, and procedures in the development of the physical education and health education curriculum in public schools. (3-0-3)

PHEG 7050 - Adap-Corr PE

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

Emphasis upon the acquisition of specific information about the causes, nature, and psychological implications of the various handicapping disabilities, and to translate medical findings in terms of needed physical activities. (3-0-3)

PHEG 7060 - Motor Learning

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

Presents research and theory of learning, performance, and related factors as applied to gross motor skills. Intended for teachers, coaches, and those concerned with human performance in motor activity. (3-0-3)

PHEG 7070 - Readings in Health

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

Deals with current research in the field of health designed to help guide and inform the nonprofessional health consumer. (3-0-3)

Theater**THEA 5545 - Performance Literacy**

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

Advanced studies of the theatrical and cinematic languages that are transforming the nature of the modern world. (3-0-3)