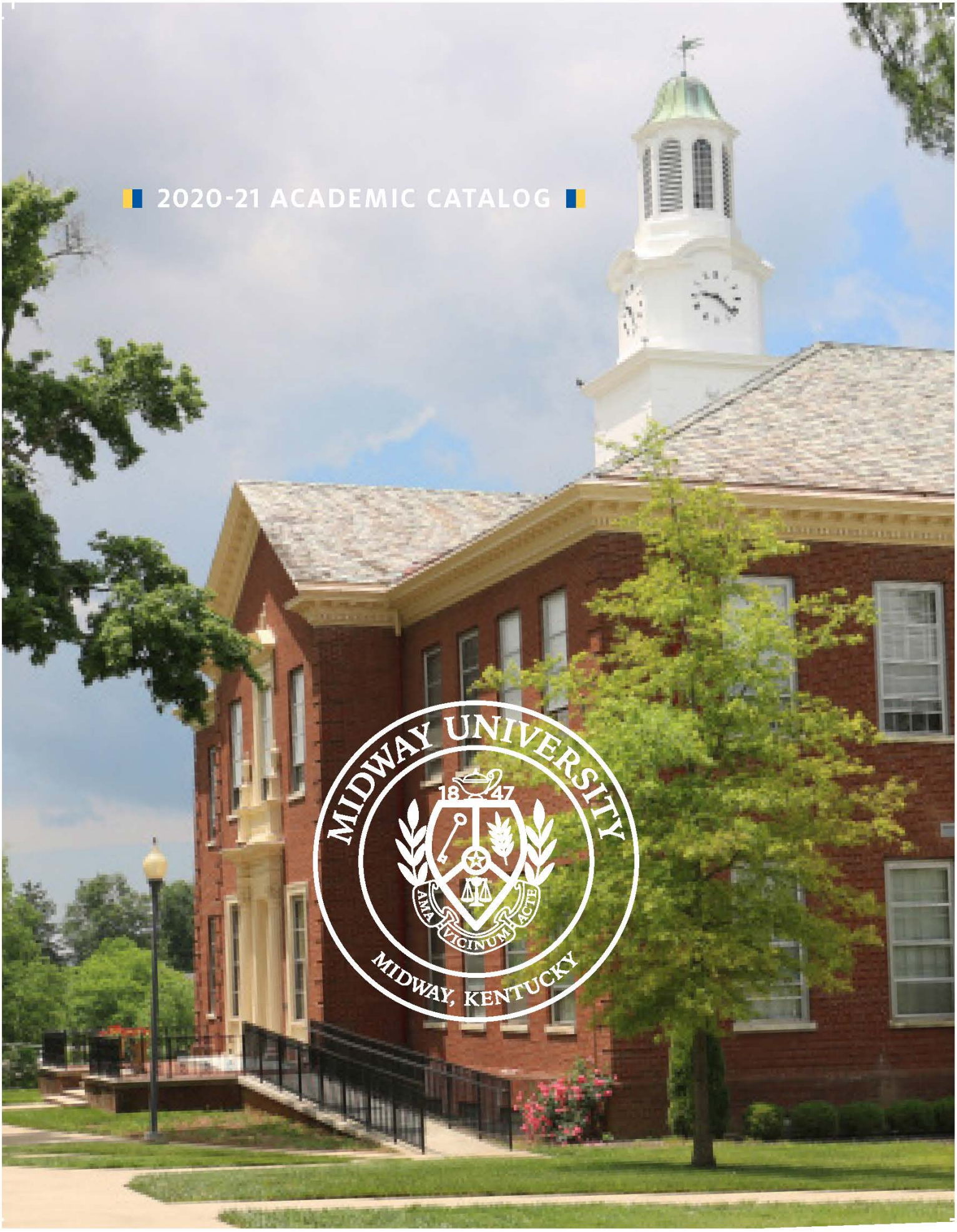
# 2020-21 ACADEMIC CATALOG



# Midway University Course Catalog

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# Midway Courses

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**ACC 210 - Financial Accounting**

This course examines principles of financial accounting. Course topics includes the steps of the account cycle, the preparation of financial statements for service and merchandising firms, and the proper accounting for assets and liabilities.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**ACC 215 - Managerial Accounting**

This course examines additional financial statement topics as well as accounting for internal use. Emphasize will be placed on the interpretation of financial data for managerial use in assessing financial position, decision making and planning. Prerequisite: ACC 210.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ACC 210 - Financial Accounting

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**ACC 370 - Intermediate Accounting I**

This is the first half of a two-semester sequence of courses providing the student with a comprehensive and in-depth investigation of current financial accounting principles and procedures. This course covers construction of all major financial statements, basic principles underlying all statements, and a detailed review of all major asset accounts. Prerequisite: ACC 215.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ACC 215 - Managerial Accounting

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**ACC 371 - Intermediate Accounting II**

This second half of intermediate accounting principles covers topics such as investments, bonds, income tax accounting, leases and pensions, corporate accounting, accounting changes and errors and the statement of cash flows. Prerequisite: ACC 370.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ACC 370 - Intermediate Accounting I

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**ACC 380 - Cost Accounting**

This course is a study of the function of cost accounting in the management process and survey of the composition and behavior of manufacturing costs. Course will include study of process costing, job order costing, standard costing, variance analysis, budgeting and capital acquisition analysis. Prerequisite: ACC 215.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ACC 215 - Managerial Accounting

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**ACC 408 - Federal Tax I**

This course is the study of income tax law focusing on individuals and property transactions. Emphasis placed on reporting techniques including preparation of tax returns and related schedules.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**ACC 409 - Federal Tax II**

Continuation of Federal Tax I involving comprehensive study of advanced topics related to C Corporations, S Corporations, Partnerships, and Estates and Trusts. Course includes tax research. Prerequisite: ACC 408.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ACC 408 - Federal Tax I

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**ACC 425 - Auditing Theory**

This course examines the auditing environment including legal and ethical considerations in the rendering of financial statement opinions; the independent audit process, internal controls, the planning process and statistical sampling Prerequisite: ACC 371.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ACC 371 - Intermediate Accounting II

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**ACC 435 - Advanced Accounting**

This course explores accounting for mergers, acquisitions, combinations, preparation of consolidated work papers and financial statements, partnerships, fiduciary and fund accounting, and other advanced topics. Prerequisite: ACC 371.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ACC 371 - Intermediate Accounting II

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**ACC 444 - Accounting Information Systems**

This course is a study of the Accounting Information Systems (AIS). AIS is a set of interrelated activities, documents, and technologies designed to collect data, process it and report information to a diverse group of internal and external decision makers in organizations.

**Grade Basis:** L

**Credit hours:** 3.0
**Lecture hours:** 3.0

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### ACC 496 - Accounting Senior Project

The senior project is the culmination of a students' undergraduate education, integrating a liberal arts education with competency in accounting. The nature of the course varies with the student's choice of project.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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### AFS 111 - Aerospace Studies I

A course designed to provide the student with a basic understanding of the nature and principles of war, national power, and the Department of Defense role in the organization of national security. The student also develops leadership abilities by participating in a military organization, the cadet corps, which offers a wide variety of situations demanding effective leadership.

**Grade Basis:** L
**Credit hours:** 1.0
**Lecture hours:** 1.0

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### AFS 112 - Leadership Laboratory I

A course designed for development of basic skills required to be a manager, including communications, human relations, and administration of equal opportunity. Credit will not be granted toward the hours requirements for the degree. Pass/fail only. Coreq: AFS 111.

**Grade Basis:** P
**Credit hours:** 1.0
**Lecture hours:** 1.0

**Prerequisites:**

- AFS 111 - Aerospace Studies I

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### AFS 113 - Aerospace Studies I

A course designed to provide the student with a basic understanding of the contribution of aerospace power to the total U.S. strategic offensive and defensive military posture. The student also develops leadership abilities by participating in a military organization, the cadet corps, which offers a wide variety of situations demanding effective leadership. Prereq: AFS 111.

**Grade Basis:** L
**Credit hours:** 1.0
**Lecture hours:** 1.0

**Prerequisites:**

- AFS 111 - Aerospace Studies I

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**AFS 114 - Leadership Laboratory I**

A continuation of AFS 113. A course designed to develop managerial skills including superior/ subordinate relationships, communications, customs and courtesies, basic drill movements and career progression requirements. Credit will not be granted toward the hours requirements for the degree. Pass/fail only. Coreq: AFS 113.

**Grade Basis:** P
**Credit hours:** 1.0
**Lab hours:** 1.0

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**AFS 211 - Aerospace Studies II**

Introduces the study of air power from a historical perspective; focuses on the development of air power into a primary element of national security. Leadership experience is continued through active participation in the cadet corps. Lecture, one hour; leadership laboratory, one hour. Prereq: AFS 111, 113 or PAS approval.

**Grade Basis:** L
**Credit hours:** 1.0
**Lecture hours:** 1.0

**Prerequisites:**

- AFS 111 - Aerospace Studies I
- AFS 113 - Aerospace Studies I

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**AFS 212 - Leadership Laboratory II**

A course designed for development of advanced skills required to be a manager/leader, including leadership styles, public speaking, group dynamics, motivation and preparation for field training. Credit will not be granted toward the hours requirements for the degree. Pass/fail only. Coreq: AFS 211.

**Grade Basis:** P
**Credit hours:** 1.0
**Lab hours:** 1.0

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**AFS 213 - Aerospace Studies II**

Provides a foundation for understanding how air power has been employed in military and non-military operations to support national objectives. Examines the changing mission of the defense establishment, with particular emphasis on the United States Air Force. Leadership experience is

continued through participation in the cadet corps. Lecture, one hour; leadership laboratory, one hour per week. Prereq: AFS 111, 113 or PAS approval.

**Grade Basis:** L
**Credit hours:** 1.0
**Lecture hours:** 1.0

**Prerequisites:**

- AFS 111 - Aerospace Studies I
- AFS 113 - Aerospace Studies I

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**AFS 214 - Leadership Laboratory II**

A continuation of AFS 213. A course designed to develop supervisory management skills to include communications, techniques of critique, social actions, personnel evaluation procedures, problem solving, role playing and field training preparation. Credit will not be granted toward the hours requirements for the degree. Pass/fail only. Coreq: AFS 213.

**Grade Basis:** P
**Credit hours:** 1.0
**Lab hours:** 1.0

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**AFS 311 - Aerospace Studies III**

A study of management functions with emphasis on the individual as a manager in an Air Force environment. Individual motivational and behavioral process, communication, and group dynamics are included to provide a foundation for the development of professional skills as an Air Force Officer. Students refine their leadership and managerial abilities by organizing and managing a quasi-military unit. Prereq: Acceptance into POC or approval of PAS.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Restrictions:**

- Must have been accepted into POC or have approval of PAS.

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**AFS 312 - Leadership Laboratory IIIA**

A course designed and focused on developing advanced leadership skills. Students fill the mid-level management function within the cadet corps. The course involves the planning and controlling of military activities of the cadet corps, and the preparation and presentation of briefings and other written and oral communications. Pass/Fail only. Coreq: AFS 311.

**Grade Basis:** P
**Credit hours:** 1.0
**Lab hours:** 1.0

### AFS 313 - Aerospace Studies III

A study of leadership with specific emphasis on the Air Force leader. Includes theoretical, professional and communicative aspects. In addition, military justice and administrative law are discussed within the context of the military organization. Students continue to develop and refine their leadership abilities by organizing and managing a military unit, the cadet corps, which offers a wide variety of situations requiring effective leadership. Prereq: AFS 311.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- AFS 311 - Aerospace Studies III

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### AFS 314 - Leadership Laboratory III

Laboratory to accompany AFS 313. Pass/fail only. Coreq: AFS 313.

**Grade Basis:** P
**Credit hours:** 1.0
**Lab hours:** 1.0

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### AFS 395 - Independent Aerospace Studies

A study of an advanced problem on a subject area in aeronautical science under the guidance of a departmental staff member. One discussion per week; term paper is required. May not be repeated. Prereq: Senior standing in the AFROTC Program, and 3.0 standing in Aerospace Studies.

**Grade Basis:** L
**Credit hours:** 6.0
**Lecture hours:** 3.0

**Restrictions:**

- Must have senior standing in the AFROTC Program, and 3.0 standing in Aerospace Studies

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### AFS 411 - Aerospace Studies IVA

A study of the military profession, civil-military interaction, communicative skills, framework of defense policy, and formulation of defense strategy. Students refine their leadership abilities by organizing and managing a military unit, the cadet corps, which offers a wide variety of situations requiring effective leadership. Prereq: AFS 313, or approval of PAS.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- AFS 313 - Aerospace Studies III

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**AFS 412 - Leadership Laboratory IVA**

A course designed and focused on developing advanced leadership skills. Students fill the top level management function within the cadet corps. The course involves the planning and controlling of military activities of the cadet corps, and the preparation and presentation of briefings and other written and oral communications. The lab also includes practice of leadership techniques aimed at motivating and instructing cadets in the lower three levels. Pass/Fail only. Laboratory, two hours per week. Coreq: AFS 411.

**Grade Basis:** P
**Credit hours:** 1.0
**Lab hours:** 2.0

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**AFS 413 - Aerospace Studies IVB**

Continues the study of strategy and the management of conflict, formulation and implementation of U.S. defense policy, defense organization, and case studies in defense policy making. Students also refine their leadership abilities by organizing and managing a military unit, the cadet corps, which offers a wide variety of situations requiring effective leadership. Prereq: AFS 411 or approval of PAS.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- AFS 411 - Aerospace Studies IVA

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**AFS 414 - Leadership Laboratory IVB**

A continuation of AFS 412. A course designed and focused on developing advanced leadership skills. Students fill the top level management function within the cadet corps. The course involves the planning and controlling of military activities of the cadet corps, and the preparation and presentation of briefings and other written and oral communications. The lab also includes practice of leadership techniques aimed at motivating and instructing cadets in the lower three levels. Pass/Fail only. Laboratory, two hours per week. Coreq: AFS 413.

**Grade Basis:** P
**Credit hours:** 1.0
**Lab hours:** 2.0

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### AMS 101 - Introduction To The Army

This introductory level course is designed to give students an appreciation for the role the Army currently plays in our society. The course covers the history of the Army and the roles and relationships of the Army within our society. The course also covers some of the basic skills necessary for today's leaders to include oral presentation, time management, map reading, basic rifle marksmanship and squad tactics. Prereq: Must be concurrent with AMS 250.

**Grade Basis:** L
**Credit hours:** 2.0
**Lecture hours:** 2.0

**Restrictions:**

- Must be concurrent with AMS 250.

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### AMS 102 - Introduction To Leadership

This course is designed to acquaint the student with the fundamental skills necessary to be a leader, both in military and civilian context. Course also covers basic military map reading skills. Prereq: Must be concurrent with AMS 250.

**Grade Basis:** L
**Credit hours:** 2.0
**Lecture hours:** 2.0

**Restrictions:**

- Must be concurrent with AMS 250.

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### AMS 211 - Advanced Leadership I

This course focuses on both theoretical and practical aspects of leadership. Students will examine topics such as written and oral communication, effective listening, assertiveness, personality, adult development, motivation, and organizational culture and change. Prereq: AMS 101 and 102, or consent of instructor. Must be taken concurrent with AMS 250.

**Grade Basis:** L
**Credit hours:** 2.0
**Lecture hours:** 2.0

**Prerequisites:**

- AMS 101 - Introduction To The Army
- AMS 102 - Introduction To Leadership

**Restrictions:**

- Must be concurrent with AMS 250.

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**AMS 212 - Advanced Leadership II**

This course focuses principally on officership, providing an extensive examination of the unique purpose, roles, and obligations of commissioned officers. It includes a detailed investigation of the origin or our institutional values and their practical application in decision making and leadership. Prereq: AMS 101, 102 and 211, or consent of the instructor. Must be taken concurrent with AMS 250.

**Grade Basis:** L
**Credit hours:** 2.0
**Lecture hours:** 2.0

**Prerequisites:**

- AMS 101 - Introduction To The Army
- AMS 102 - Introduction To Leadership
- AMS 211 - Advanced Leadership I

**Restrictions:**

- Must be taken concurrent with AMS 250.

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**AMS 250 - Basic Military Science Lab**

A hands-on practicum which exposes the student to the military skills required for basic technical and tactical competence to enter the Advanced Course. Laboratory, two hours per week and two week-end exercises. May be repeated to a maximum of four credits.

**Grade Basis:** L
**Credit hours:** 1.0
**Lecture hours:** 1.0

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**AMS 301 - Leadership and Management I**

Course of study in development of basic skills required to function as a manager; study of leadership styles, group dynamics, communications, motivation and military instruction methods; and school of the soldier and exercise of command. Prereq: AMS 101, 102, graduate or undergraduate student (male or female), successful completion of basic course or basic camp, physically fit to pursue program; consent of PMS. Must be taken concurrent with AMS 350.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- AMS 101 - Introduction To The Army
- AMS 102 - Introduction To Leadership

**Restrictions:**

- Must have successfully completed basic course or basic camp and be physically fit to pursue the program.
- Must be taken concurrent with AMS 350.

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**AMS 302 - Advanced Tactics**

Small unit tactics and communications, organization and mission of combat arms units; leadership and the exercise of command. Prereq: AMS 101, 102, graduate or undergraduate student (male or female), successful completion of basic course or basic camp, physically fit to pursue program; consent of PMS. Must be taken concurrent with AMS 350.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Restrictions:**

- Must be taken concurrent with AMS 350.

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**AMS 320 - Advanced Studies In American Military History**

This course will furnish upper level UK ROTC Cadets, and qualified History majors or minors with the methodological tools and materials needed to gain a more detailed understanding of American Military History and to put together a major research paper. AMS/HIS 320 will emphasize basic research skills: understanding historiographical debates within a military framework, developing effective note taking, outlining techniques, picking a feasible research topic, finding useful primary sources and drawing inferences from them, examining American military campaigns and leaders in order to complete a battle analysis, and short research assignments. Prereq: Consent of instructor (Same as HIS 320.)

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**AMS 341 - Leadership and Management II**

An advanced study of logistics, operations, military administrations, personnel management, military justice, world change and military implications, service orientation and leadership training. Prereq: AMS 301, 302. Must be taken concurrent with AMS 350.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- AMS 301 - Leadership and Management I
- AMS 302 - Advanced Tactics

**Restrictions:**

- Must be taken concurrent with AMS 350.

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**AMS 342 - Command Management**

An advanced study of logistics, operations, military administration, personnel management, military justice, world change and military implications, service orientation and leadership training. Prereq: AMS 301, 302. Must be taken concurrent with AMS 350.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- AMS 301 - Leadership and Management I
- AMS 302 - Advanced Tactics

**Restrictions:**

- Must be taken concurrent with AMS 350.

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**AMS 350 - Advanced Military Science Lab**

A hands-on practicum which exposes the student to the military skills required for advanced technical and tactical competence as an Army officer. The course affords junior and senior cadets opportunities to develop and refine their leadership style and abilities under differing constraints and environments. Laboratory, two hours per week and two weekend exercises. May be repeated to a maximum of four credits. Prereq: AMS 250, AMS 101, AMS 201 and AMS 202. Concurrent: AMS 301, 302, 341 or 342.

**Grade Basis:** L
**Credit hours:** 1.0
**Lecture hours:** 1.0

**Prerequisites:**

- AMS 101 - Introduction To The Army
- AMS 250 - Basic Military Science Lab

**Restrictions:**

- Concurrent: AMS 301, 302, 341 or 342.

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**AMS 395 - Independent Study in Leadership**

Advanced study in leadership. Students are under guidance and confer individually with faculty on approved topic(s). A written report or paper is expected and will be filed in the chairperson's office. May be repeated to a maximum of four credits. Prereq: Completion of AMS 302 and approval of PMS.

**Grade Basis:** L
**Credit hours:** 1.0
**Lecture hours:** 1.0

**Prerequisites:**

- AMS 302 - Advanced Tactics

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**ART 101 - Art Appreciation**

Art Appreciation introduces art history from BCE through the present time period. The course introduces standard modes of inquiry in art history.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**ART 107 - Painting**

A studio course on the fundamentals of painting. Emphasis is on acquiring basic skills with painting media, materials and techniques. Some exploration into individual style and content.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**ART 202 - Photoshop I**

Students will learn how to design and create digital images and illustrations for web and print publication.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**ART 205 - Drawing**

This is a studio course on the fundamentals of drawing. Emphasis will be placed on acquiring basic skills with drawing media, materials and techniques, along with exploration into individual styles and content. Required art materials are the responsibility of the student.

**Grade Basis:** L

**Credit hours:** 3.0
**Lecture hours:** 3.0

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**ART 302 - Photoshop II**

Students will learn how to design and create digital images, illustrations for web and artistic/ commercial print and digital publications to be utilized within an integrated marketing communication campaign. Prerequisite: ART 202 Photoshop I.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ART 202 - Photoshop I

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**BIO 103 - General Biology I**

Introductory course in general biology. Emphasis on fundamental principles in the scientific method, biochemistry, cell structure and function, energy pathways, genetics, taxonomy, the study of anatomy and physiology of the plant. Three lecture hours per week. A student will not receive credit toward graduation requirements for both BIO 103 and BIO 155.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BIO 104 - General Biology I Laboratory**

An introductory laboratory providing studies in the scientific method, microscopy, structure and function of animal and plant cells; morphology, physiology, and taxonomy of plants; heredity. Two laboratory hours per week. Animal dissection not required. A student will not receive credit towards graduation requirements for both BIO 104 and BIO 156. Prerequisite or Corequisite: BIO 103.

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

**Prerequisites:**

- BIO 103 - General Biology I

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**BIO 105 - General Biology II**

A course designed to follow BIO 103 and BIO 104. The course will place emphasis on basic taxonomy, anatomy and physiology of animals, ecology, evolution, etiology and biogeography. Three lecture hours per week. Prerequisites: BIO 103 and BIO 104.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BIO 103 - General Biology I
- BIO 104 - General Biology I Laboratory

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**BIO 106 - General Biology II Laboratory**

An introductory laboratory investigating evolutionary relationships among organisms; identifying members of the Kingdoms of living organisms; studying structure and function relationships at the cell, tissue, organ, and organism level of organization. Two laboratory hours per week. Animal dissection is required. Prerequisites: BIO 103 and BIO 104. Prerequisite or corequisite: BIO 105. Designed critical thinking course.

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

**Prerequisites:**

- BIO 103 - General Biology I
- BIO 104 - General Biology I Laboratory
- BIO 105 - General Biology II

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**BIO 155 - Exploring Life’s Diversity**

This is an introductory lecture course to the science of life which offers an overview of biological principles, cell structure and function, genetics, evolution, ecology, a survey of the domains and kingdoms of living organisms, and the importance of biology to human society. Three hours lecture each week. A student will not receive credit toward graduation requirements for both BIO 103 and BIO 155. This course is designed for the non-science major.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BIO 156 - Exploring Life’s Diversity Laboratory**

This is a laboratory study to accompany Exploring Life’s Diversity. Lab activities include scientific methods, microscope use, homeostasis, genetics, evolution, and a survey of plants and animals. Prerequisite or concurrent enrollment in BIO 155, Exploring Life’s Diversity. This course is designed for the non-science major. Two hours laboratory per week. A student will not receive credit toward graduation requirements for both BIO 104 and BIO 156.

**Grade Basis:** L

**Credit hours:** 1.0
**Lab hours:** 2.0

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**BIO 190 - Anatomy and Physiology I**

This course is a detailed study of the structure and function of the systems of the human body. Emphasis will be placed on cell biology, histology, and the integumentary, skeletal, muscular, and nervous systems. Designated critical thinking course.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BIO 191 - Anatomy and Physiology I Laboratory**

This course is a hands-on detailed study of anatomical terminology, microscopic examination of tissues, detailed study of the skeletal, muscular and nervous systems and the senses. Animal dissection required. Requires two laboratory hours per week. Prerequisite or Corequisite: BIO 190. Designated critical thinking.

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

**Prerequisites:**

- BIO 190 - Anatomy and Physiology I

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**BIO 198 - Anatomy and Physiology II**

This course is a continuation of BIO 190 Anatomy and Physiology I, offering a detailed study of the structure and function of the systems of the human body. Emphasis will be on endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems, with consideration of metabolism, development, and inheritance. Prerequisites: BIO 190 and BIO 191. Prerequisite or Corequisite: BIO 199.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BIO 190 - Anatomy and Physiology I
- BIO 191 - Anatomy and Physiology I Laboratory
- BIO 199 - Anatomy and Physiology II Laboratory

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**BIO 199 - Anatomy and Physiology II Laboratory**

This course is a continuation of BIO 191 Anatomy and Physiology I Laboratory. Emphasis will be on endocrine, cardio-vascular, lymphatic, respiratory, digestive, urinary and reproductive systems. Exploration of the mechanisms of inheritance is included. Animal dissection is required. Requires two laboratory hours per week. Prerequisites: BIO 190 and BIO 191. Prerequisite or Corequisite: BIO 198.

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

**Prerequisites:**

- BIO 190 - Anatomy and Physiology I
- BIO 191 - Anatomy and Physiology I Laboratory
- BIO 198 - Anatomy and Physiology II

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**BIO 204 - Medical Vocabulary**

This course is a study of the basic linguistic principles inherent in the specialized vocabulary of medical and scientific fields. Prerequisite: None

**Grade Basis:** L
**Credit hours:** 2.0
**Lecture hours:** 2.0

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**BIO 225 - Microbiology**

This course introduces basic microbiological principles and techniques. The course focuses on the fundamental nature of bacteria and other microorganisms; their morphology, physiology, and relationship to disease. Course consists of three lecture hours per week. Prerequisite: One University level biology course with laboratory.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BIO 226 - Microbiology Laboratory**

This course introduces basic microbiological principles and laboratory techniques for manipulation, growth, and identification of microorganisms, especially bacteria. Course consists of two laboratory hour each week. Prerequisite: One University level biology course with laboratory. Pre or Corequisite: BIO 225.

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

**Prerequisites:**

- BIO 225 - Microbiology

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**BIO 230 - Principles of Botany**

This course examines the basic principles of plant biology with emphasis on ecology; morphology; physiology and taxonomy. Three hours of lecture per week. Prerequisite: BIO 103 and BIO 104.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BIO 103 - General Biology I
- BIO 104 - General Biology I Laboratory

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**BIO 231 - Principles of Botany Laboratory**

This course is the companion laboratory course to BIO 230 Principles of Botany (lecture). Includes field and laboratory work examining the basic principles of plant biology, with emphasis on ecology; morphology; anatomy, physiology and taxonomy. Two laboratory hours per week. Prerequisites: BIO 103 and BIO 104; Prerequisite or corequisite BIO 230.

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

**Prerequisites:**

- BIO 103 - General Biology I
- BIO 104 - General Biology I Laboratory
- BIO 230 - Principles of Botany

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**BIO 241 - Cell Biology**

A study of the relationship of cell structures to specialized cell functions, including growth, differentiation, biochemical activities and physiological behavior. Three hours lecture per week. Prerequisites: BIO 105 and BIO 106; CHM 175 and CHM 176.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BIO 105 - General Biology II
- BIO 106 - General Biology II Laboratory
- CHM 175 - General Chemistry II
- CHM 176 - General Chemistry Laboratory II

### BIO 304 - General Zoology

This course is a survey of the invertebrate and vertebrate phyla with emphasis on taxonomy, anatomy and physiology, behavior, ecology, life histories and phylogeny. Three lecture hours per week. Prerequisites: BIO 103, BIO 104, BIO 105, and BIO 106.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BIO 103 - General Biology I
- BIO 104 - General Biology I Laboratory
- BIO 105 - General Biology II
- BIO 106 - General Biology II Laboratory

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### BIO 305 - Global Ecology

This course examines the global environmental problems associated with human population, species loss, soil erosion and desertification, air and water pollution, acid precipitation, ozone layer depletion, waste management, and a sustainable society. These issues are examined from a scientific viewpoint and placed in context of the cultural, religious, gender and socio-economic aspects that influence these issues. This course asks the student to identify possible solutions after careful study of environmental problems and to involve the student in some of these solutions. (This course meets Global/Environmental general education requirements for all majors). Course meets diversity requirement. Prerequisite: Any university level 3-hour Biology; Physical Science, or Environmental Science course. Also listed as ENV 305.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Restrictions:**

- Any university level 3-hour Biology; Physical Science, or Environmental Science course.

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### BIO 306 - General Zoology Laboratory

A survey of the invertebrate and vertebrate fauna with emphasis on taxonomy and identification. Special emphasis is upon dissection detailing morphological relationships. Two laboratory hours per week. Prerequisites: BIO 103, BIO 104, BIO 105 and BIO 106. Prerequisite or Corequisite: BIO 304.

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

**Prerequisites:**

- BIO 103 - General Biology I
- BIO 104 - General Biology I Laboratory
- BIO 105 - General Biology II
- BIO 106 - General Biology II Laboratory
- BIO 304 - General Zoology

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**BIO 310 - Topics in Biology**

Topics courses are designed to allow for study of well-defined areas within the discipline that are not treated in regular coursework. Since prerequisites will vary among courses, students should refer to each semester's Schedule of Academic Offerings before registering for a topics course.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BIO 312 - General Ecology**

Basic concepts concerning the interrelationships of organisms and their environment. Topics: adaptations of plants and animals to their environments; species interactions; population, community, and ecosystem structure and dynamics; food webs; energy and nutrient flow. Three hours of lecture per week. Prerequisites: BIO 103, BIO 104, BIO 105, and BIO 106. Also listed as ENV 312. Designated interdisciplinary studies.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BIO 103 - General Biology I
- BIO 104 - General Biology I Laboratory
- BIO 105 - General Biology II
- BIO 106 - General Biology II Laboratory

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**BIO 313 - General Ecology Lab**

This course provides an introduction to laboratory and field work in ecology. Exercises will be performed to acquaint students with sampling techniques used to gather both qualitative and quantitative data at the population, community, and ecosystem levels. Analyses of data will be performed. Two laboratory hours per week. Prerequisites: BIO 103, BIO 104, BIO 105, and BIO 106. Prerequisite or Corequisite: BIO 312. Designated interdisciplinary studies. Also listed as ENV 313.

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

**Prerequisites:**

- BIO 103 - General Biology I
- BIO 104 - General Biology I Laboratory
- BIO 105 - General Biology II
- BIO 106 - General Biology II Laboratory
- BIO 312 - General Ecology

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**BIO 314 - Vertebrate Zoology**

This course is a survey of the vertebrate classes. Emphasis is placed on taxonomy, anatomy and physiology, behavior, ecology, life histories, and evolutionary relationships. Three lecture hours per week. Prerequisites: BIO 103, BIO 104, BIO 105 and BIO 106.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BIO 103 - General Biology I
- BIO 104 - General Biology I Laboratory
- BIO 105 - General Biology II
- BIO 106 - General Biology II Laboratory

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**BIO 315 - Vertebrate Zoology Laboratory**

An intensive survey of the vertebrate classes of Kentucky fauna. Emphasis is placed on taxonomy and species identification. Special emphasis is upon dissection detailing morphological relationships. Two laboratory hours per week. Prerequisites: BIO 103, BIO 104, BIO 105, and BIO 106. Prerequisite or Corequisite: BIO 314.

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

**Prerequisites:**

- BIO 103 - General Biology I
- BIO 104 - General Biology I Laboratory
- BIO 105 - General Biology II
- BIO 106 - General Biology II Laboratory
- BIO 314 - Vertebrate Zoology

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**BIO 318 - Vertebrate Embryology**

This course is an examination of patterns and mechanisms of the first weeks of vertebrate life with emphasis on the molecular, cellular and genetic aspects of these developmental processes.

Prerequisites: BIO 103, BIO 104, BIO 105, BIO 241, and BIO 106 OR BIO 190, BIO 191, BIO 198 and BIO 199. Corequisite: BIO 319 or consent of instructor.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BIO 103 - General Biology I
- BIO 104 - General Biology I Laboratory
- BIO 105 - General Biology II
- BIO 106 - General Biology II Laboratory
- BIO 190 - Anatomy and Physiology I
- BIO 191 - Anatomy and Physiology I Laboratory
- BIO 198 - Anatomy and Physiology II
- BIO 199 - Anatomy and Physiology II Laboratory
- BIO 241 - Cell Biology
- BIO 319 - Vertebrate Embryology Laboratory

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**BIO 319 - Vertebrate Embryology Laboratory**

This course is the companion laboratory course to BIO 318 Vertebrate Embryology. This course is an examination of patterns and mechanisms of the first eight weeks of vertebrate life which emphasis on the molecular, cellular and genetic aspects of these developmental processes. Laboratory exercises focus on identification of organ systems' formation in the frog, chick and pig embryos. Corequisite: BIO 318 or consent of instructor. Requires two laboratory hours per week.

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

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**BIO 320 - Histology**

This course is the study of the characteristics of normal and aberrant vertebrate cells, tissue and organs as applied to the human body. Prerequisites: BIO 103, BIO 104, BIO 105, BIO 106 or BIO 190, BIO 191, BIO 198 and BIO 199; corequisite BIO 321.

**Grade Basis:** L
**Credit hours:** 2.0
**Lecture hours:** 2.0

**Prerequisites:**

- BIO 103 - General Biology I
- BIO 104 - General Biology I Laboratory
- BIO 105 - General Biology II
- BIO 106 - General Biology II Laboratory
- BIO 190 - Anatomy and Physiology I

- BIO 191 - Anatomy and Physiology I Laboratory
- BIO 198 - Anatomy and Physiology II
- BIO 199 - Anatomy and Physiology II Laboratory

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**BIO 321 - Histology Laboratory**

This course concentrates on the microscopic study of the characteristics of normal and aberrant vertebrate cells, tissues, and organs through study of prepared slides. Prerequisites: BIO 103, BIO 104, BIO 105, BIO 106 or BIO 190, BIO 191, BIO 198 and BIO 199; corequisite BIO 320.

**Grade Basis:** L
**Credit hours:** 2.0
**Lab hours:** 2.0

**Prerequisites:**

- BIO 103 - General Biology I
- BIO 104 - General Biology I Laboratory
- BIO 105 - General Biology II
- BIO 106 - General Biology II Laboratory
- BIO 190 - Anatomy and Physiology I
- BIO 191 - Anatomy and Physiology I Laboratory
- BIO 198 - Anatomy and Physiology II
- BIO 199 - Anatomy and Physiology II Laboratory

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**BIO 325 - Genetics and Molecular Biology**

An introduction to the principles of heredity, molecular mechanisms of gene expression, replication, transcription and translation and an overview of molecular techniques and biotechnology using microbial, plant, and animal systems. Prerequisites: BIO 103, BIO 104, BIO 105, BIO 106 or CHM 170, CHM 171, CHM 175 and CHM 176; Pre or Corequisite: CHM 330 and CHM 331.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BIO 103 - General Biology I
- BIO 104 - General Biology I Laboratory
- BIO 105 - General Biology II
- BIO 106 - General Biology II Laboratory
- CHM 170 - General Chemistry I
- CHM 171 - General Chemistry Laboratory I
- CHM 175 - General Chemistry II
- CHM 176 - General Chemistry Laboratory II
- CHM 330 - Organic Chemistry I
- CHM 331 - Organic Chemistry Laboratory I

### BIO 326 - Immunology

This course concentrates on the basic principles of immunological principles and their applications in the medical/veterinary field including antigen/antibody reactions laboratory methodology, autoimmune disorders, allergic reactions and tumor immunology. Three hours of lecture per week. Prerequisites: BIO 225, BIO 226, and CHM 170.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BIO 225 - Microbiology
- BIO 226 - Microbiology Laboratory
- CHM 170 - General Chemistry I

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### BIO 327 - Immunology Laboratory

This course concentrates on the basic laboratory procedures and their principles used in immunology testing and diagnosis of diseases. Two hours of laboratory per week. Prerequisites: BIO 225, BIO 226, and CHM 170; Prerequisite or Corequisite: BIO 326.

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

**Prerequisites:**

- BIO 225 - Microbiology
- BIO 226 - Microbiology Laboratory
- BIO 326 - Immunology
- CHM 170 - General Chemistry I

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### BIO 328 - Genetics and Molecular Biology Laboratory

This course will serve to illustrate techniques typically utilized in genetics and molecular biology research and clinical application. DNA extraction, genetic exchange, gene amplification, protein analysis, and bioinformatics will be covered in this laboratory. This course is closely tied to the information learned in the BIO 325 Genetics and Molecular Biology lecture course, thus it is recommended that students enroll in both the lecture and laboratory courses. Genetic diseases and their treatments as well as ethical issues of genetics research will be covered in this course. Prerequisites: BIO 105 and BIO 106; CHM 175 and CHM 176; CHM 330 and CHM 331. Prerequisite or corequisite: BIO 325.

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

**Prerequisites:**

- BIO 105 - General Biology II
- BIO 106 - General Biology II Laboratory
- BIO 325 - Genetics and Molecular Biology
- CHM 175 - General Chemistry II
- CHM 176 - General Chemistry Laboratory II
- CHM 330 - Organic Chemistry I
- CHM 331 - Organic Chemistry Laboratory I

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**BIO 401 - Ethical Issues in Science**

Course assists the students in values clarification and identification and problem solving involving ethical dimensions of everyday practice in scientific research, health and environmental related professions. Prerequisite: Junior standing and 12 hours of biology. Also listed as ENV 401. Designated critical thinking.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Restrictions:**

- Junior standing and 12 hours of biology.

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**BIO 405 - Introduction to Biological Research**

This course is an introduction to methods of biological research and writing. The topic for a senior research project is chosen, a literature search is started and a formal proposal is made; each of these must be approved by the professor and the research director. The research director may be a Midway University faculty member or a scientist at another facility, subject to professor’s approval. Prerequisite: Junior standing and a minimum of 12 hours each of biology and chemistry.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Restrictions:**

- Junior standing and a minimum of 12 hours each of biology and chemistry.

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**BIO 415 - Conservation Biology**

As an interdisciplinary science, the focus of this course is the conservation of biodiversity at the levels of genetics, reproductive populations, species, communities, ecosystems, watersheds and air sheds, and the global biosphere. This course covers causative factors for the loss of biodiversity and the consequences for the future of systems stability and resilience. Current applications of

evolutionary and ecological theory form the foundation for strategies and skills aimed at developing and implementing sound management policies. While human dimensions are important in natural resource management, this course emphasizes critical thinking and science-based problem solving. Also listed as ENV 415. Offered online only.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Restrictions:**

- Offered online only.

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**BIO 420 - Biochemistry**

This course is a study of biochemical compounds and their role in intermediary metabolism. Special topics include biochemical energies and coenzyme mechanics. Prerequisite: CHM 330, and Pre or Corequisite BIO 325 and BIO 421. Also listed as CHM 420.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BIO 325 - Genetics and Molecular Biology
- BIO 421 - Biochemistry Laboratory
- CHM 330 - Organic Chemistry I

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**BIO 421 - Biochemistry Laboratory**

Biochemistry Lab is a hands-on study of biochemical and molecular techniques used in various fields of biology. Two laboratory hours per week. CHM 330, and Pre or Corequisite BIO 325 and BIO 420. Also listed as CHM 421.

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

**Prerequisites:**

- BIO 325 - Genetics and Molecular Biology
- BIO 420 - Biochemistry
- CHM 330 - Organic Chemistry I

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**BIO 485 - Internship**

This internship is an application of classroom skills and knowledge through biology-related job experience. An individually planned program allows students to gain work experience under the

supervision of an intern director and a field supervisor. Prerequisite: junior or senior standing and 12 semester hours of biology and approval of instructor. Also listed as ENV 485.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Restrictions:**

- Junior or senior standing and 12 semester hours of biology and approval of instructor.

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**BIO 488 - Senior Biology Research**

The student will, under scientist supervision, carry to completion an independent scientific research project of a biological nature. The data collected from BIO/MTH 487 will be used to write a scientific paper which will be edited and formatted into a document suitable for publication in a peer reviewed journal. Additionally, the student will present this work to faculty and students in a manner appropriate for presentation at a research conference. The project will be written in a scientific style suitable for publication and presented to faculty and students at completion. Prerequisite: Senior standing and satisfactory completion of BIO 405 and at least 2 credits of BIO/MTH 487.

**Grade Basis:** L
**Credit hours:** 1.0
**Lecture hours:** 1.0

**Prerequisites:**

- BIO 405 - Introduction to Biological Research
- BIO/MTH 487 - Senior Research Data Collection

**Restrictions:**

- Senior standing and satisfactory completion of BIO 405 and at least 2 credits of BIO/MTH 487.

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**BIO/MTH 487 - Senior Research Data Collection**

Under the supervision of a scientist, students will conduct research to gather data for research papers to be completed in BIO 488. Prerequisite: Senior standing and satisfactory completion of BIO 405. Can be repeated for up to 4 credits.

**Grade Basis:** L
**Credit hours:** 2.0
**Lecture hours:** 2.0

**Restrictions:**

- Senior standing and satisfactory completion of BIO 405.

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**BUS 230 - Principles of Management**

This course is the study of the concept of management in organization, its structure, relationships, processes and systems. The analysis of basic theories and practices of management utilized in the creation and production of goods and services through public or private organizations will be examined. The course focuses on the four primary management functions: planning, leading, organizing and controlling.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUS 255 - Principles of Marketing**

This course is a study of marketing within the context of the whole business system. Emphasis will be placed on the distribution of goods and services from producer to consumer as well as on the identification of markets, environmental factors, product, price and promotion.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUS 290 - Introduction to Human Resource Management**

The field of human resource management plays an increasingly important role in organizations. This course will provide students with practical knowledge and skills in key functional areas of human resource management. Topics include staffing, performance management, training and development, compensation and benefits, labor relations and employee safety.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUS 308 - Fundamentals of Ethical Leadership**

This course will explore central concepts in leadership and ethics. Learners explore and develop foundational concepts of ethical leadership, consider their personal talents and predispositions as they relate to ethical leadership tendencies.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUS 313 - Business and Organizational Communication**

This course investigates the role of both formal and informal communication in creating a productive organizational environment. It emphasizes communication skills including presentations,

interpersonal and group interactions, and writing. Writing style, form, vocabulary, and grammar are examined in the context of business letters, memoranda and reports.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUS 319 - Business Research Methods**

This course provides an overview of research design to be applied to both academics and management. This overview consists of understanding the preliminary considerations that go into selecting a qualitative, quantitative, or mixed methods research design. These include knowing the definition for these different approaches, considering philosophical worldviews, reviewing the literature, understanding the use of theory, anticipating ethical issues, and developing writing strategies. We will discuss the process of research as it relates to each approach. This process includes writing an introduction, specifying a purpose statement, and developing research questions and/or hypotheses. This course will also discuss the methods and procedures for quantitative, qualitative, and mixed methods studies. While students will not perform statistical analysis during the class, interpretation and understanding of statistical data and its significance to data analysis is an important course outcome.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUS 321 - Managerial Finance**

The focus of this course is on the issues faced by the financial manager. Students will build on their understanding of accounting to carry out financial planning and analysis. Topics of analysis include time value of money, valuation concepts, and capital budgeting decisions. Students will learn the basic financial tools for evaluating, planning, and decision-making. Prerequisite: ACC 210 Principles of Accounting I.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUS 328 - Conflict Management and Negotiation**

Conflict is inherent in organizations. Conflict management and negotiations is a basic leadership skill that all successful leaders need. This course will provide students with a practical and effective framework and toolset to prepare for all types of conflict management and negotiations. This course explores how to develop effective negotiator skills, using a very individual, personalized approach. Grounded in theory and research, it examines the psychological and sociological factors inherent in the negotiation process. It explores the complexities of negotiations, by looking at how conflict is related and how temperaments and personality traits impact the process. Students are given

opportunities to complete exercises, self-assessment tools, and cases, to develop, practice, and perfect their own unique set of conflict management and negotiation skills.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUS 340 - Legal Environment of Business**

The role of law in society is reviewed with respect to its nature, functions and purpose. Law is viewed as a process of settling disputes or facilitating and protecting voluntary agreements and as a dynamic force in resolving acute social conflicts.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUS 390 - Global Business**

This course is an analysis of international economic and financial developments. Emphasis will be placed on current issues in the operation of the international financial system.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUS 405 - Leading Change**

Through assigned readings, case studies, website connections, discussion questions, class discussion, and individual writing assignments, students will be exposed to leadership change situations, terminology, theory and best practices. They will be given the opportunity to apply these principles and concepts in real world change situations.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUS 410 - Innovation Leadership**

This course looks at how innovation is changing the landscape of organizational leadership. Innovation can transform and disrupt firms, industries and whole nations. In this course, we look at how leaders cultivate a culture of innovation within their organizations. Topics such as disruptive innovation, identifying breakthrough innovations, project selection, managing projects and how to measure impact will be covered.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**BUS 411 - Strategic Planning**

This course introduces students to various management planning models and techniques. It stresses the concepts of strategic planning models and development processes. Students will examine the importance and limits of managers in strategic planning, using case studies to analyze actual strategic planning practices and systems utilized by organizations.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUS 425 - Special Topics in Business**

This course is designed to provide a student with a wide variety of understanding in various business disciplines. The topics may include current problems in accounting, finance, information systems, economics, management, and/or marketing. Different material will be offered each term so the course may be repeated for credit if the course material offered has not been repeated.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUS 427 - Entrepreneurship**

This course will provide students with the opportunity to research and develop business plans. The main outcome will be the preparation and analysis of a business plan. Through the development of a business plan students will consider the critical elements of a business venture. Topics covered will include capital costs, personnel, markets, competition and future needs. These items are often overlooked when an entrepreneur develops his or her business plan.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUS 490 - Capstone**

This course requires students to demonstrate their abilities by preparing an independent research project and completing the ETS Major Field Test.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUS 495 - Internship**

Internship courses allow practical application of classroom knowledge and intentional development of skills applicable to the student's professional growth. This experience focuses on the combination and integration of various concepts by applying them to the analysis and solution of problems viewed in the context of business studies: management, marketing, human resources, finance, etc. The internship experience requires 135 hours of relevant field work at the internships site in addition to scheduled class meetings, Students will be under the supervision of faculty and site supervisors. Students will gain practical hands-on experience, enhance skills learned in the classroom, and acquire contacts with professionals in the field. Students will be expected to complete reflections and demonstrate learning through a final project or presentation. Internship courses are graded pass/fail. May be repeated once.

**Grade Basis:** P
**Credit hours:** 3.0

**Restrictions:**

- Junior or Senior status

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**BUSM 501 - Fundamentals of Graduate Business**

Designed for students whose baccalaureate degree is not in Business, the course includes foundational concepts in accounting, economics, management, and marketing. The course must be completed successfully within the first term of enrollment in the MBA or the student will not be allowed to enroll in subsequent courses

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUSM 520 - Leadership and Effective Decision-Making**

Leadership is a process by which a person influences others to accomplish an objective and direct the organization. This course is designed to help learners understand the leadership process, use critical thinking to make sound decisions, and understand the ethical ramifications of their decisions.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUSM 540 - Organizational Behavior**

This course focuses on the patterns of interaction that occur among people and teams in organizations and on how these interactions impact the organization. The course assists a learner in developing a clear understanding of the organization internally and of how an organization can transform its competitiveness externally by virtue of how well it copes with and develops major behavioral issues in the day-to-day management of the enterprise.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUSM 550 - Business Law**

The course examines issues such as business structure, taxes, personnel, intellectual property rights, and indemnity. Students are provided with an introduction to legal reasoning, briefing a case, the judicial system, civil procedure, and business ethics. Students then move on to studying intentional torts, negligence and strict liability.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUSM 560 - Financial Management**

This course involves the development and application of theoretical and empirical principles for financing a business concern's assets so as to maximize the value of ownership interest. Emphasis will be placed on the application and interpretation of analytical techniques for financial evaluation of investment opportunities. Topics covered include financial statement analysis, the time value of money, sources of money and capital market financing, asset and liability valuation, risk adjusted rates of return, capital budgeting, the effects of capital structure on the firm's cost of capital, and the effects of financial leverage on the viability of the firm and the return on owner equity. The course provides the student with the knowledge and skills to evaluate alternate investment and financing options.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUSM 570 - Economic Analysis for Business Decision-Making**

The focus of the course is the practical application of microeconomic principles to the management of a business enterprise. Since all business firms survive because there is a demand for the products or services that they produce, the behavior of consumers under various general economic and externality conditions is of primary interest to business managers. Three major areas of interest to management will be examined sequentially.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUSM 600 - Strategic Marketing Management**

This course demonstrates differences between a product-oriented organization, a sales- oriented organization, and a marketing-oriented organization. The course stresses that organizations need to be customer-led (buyer behavior), and adopt an ‘outside-in’ rather than an ‘inside-out’ approach.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUSM 620 - Global Business**

This course focuses upon the multinational corporation (MNC) by exploring the strategies and management practices of large global entities, comparing and contrasting U.S. MNCs with those from Europe, and Asia, notably Japan and South Korea. Attention is also paid to MNCs from emerging economies such as China. This course also considers the international business environment.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUSM 640 - Operations Management**

In this course students explore the problems and issues confronting operations managers as well as the language, concepts, insights and tools to deal with these issues in order to gain competitive advantage through operations. Because the course deals with the management of processes it applies to both for-profit and non-profit organizations, to both service and manufacturing organizations, and to virtually any functional area or industry.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUSM 660 - Strategic Management**

Strategic Management presents the essential tools and concepts of strategic development and implementation. The course has three distinct parts: a) strategic analysis; b) strategic choice (generic and/or grand strategy options; c) strategic implementation and control. Topics covered will include mission, vision, values, internal and external environmental analysis, competition, strategic choices).

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**BUSM 690 - Management Issues**

The course addresses the challenges that students face in working with groups in the workplace and assists students in identifying their own individual management strengths and weaknesses. Attention will be given to identifying the major management issues confronting today's executives.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**CHM 150 - Principles of Chemistry**

This course provides a working knowledge of the principles, measurements and calculations basic to chemistry. Topics include the scientific method, energy, atoms, periodic table, bonding, names and formulas, equations, stoichiometry, states of matter, solutions, acids and bases, oxidation and biochemistry. Prerequisite: Grade of C or better in MTH 135 or equivalent skills. A student will not receive credit toward graduation requirements for both CHM 150 and CHM 170. This course is designed for the non-science major.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 135 - Intermediate Algebra

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**CHM 170 - General Chemistry I**

This course is the systematic study of the principles of chemistry. Topics include chemical measurement, elements, compounds, reactions, stoichiometry, thermochemistry, gas, liquids, solids, atomic structure, bonding, and descriptive chemistry of important elements and compounds. Prerequisite or Corequisite: MTH 140 or MTH 145 or equivalent. A student will not receive credit toward graduation for both CHM 150 and CHM 170.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 140 - College Algebra
- MTH 145 - Finite Mathematics

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**CHM 171 - General Chemistry Laboratory I**

Laboratory experiments to accompany General Chemistry I (CHM 170). Two hours per week are required. Concurrent enrollment in or previous completion of CHM 170 required. A student will not receive credit toward graduation for both CHM 151 and CHM 171. Coreq: CHM 170

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

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**CHM 175 - General Chemistry II**

A continuation of CHM 170; topics include equilibrium, kinetics, acids, bases, solutions, oxidation, reduction, thermodynamics, coordination chemistry, qualitative analysis, nuclear chemistry and an introduction to organic chemistry. Prerequisites: CHM 170 and MTH 140 or MTH 145 or equivalent.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- CHM 170 - General Chemistry I
- MTH 140 - College Algebra
- MTH 145 - Finite Mathematics

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**CHM 176 - General Chemistry Laboratory II**

Course includes laboratory experiments to accompany General Chemistry II (CHM 175). Two hours per week are required. Concurrent enrollment in or previous completion of CHM 175 required. Prerequisite: CHM 171 or permission of instructor. Coreq: CHE 175

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

**Prerequisites:**

- CHM 171 - General Chemistry Laboratory I
- CHM 175 - General Chemistry II

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**CHM 330 - Organic Chemistry I**

This course explores the fundamentals of organic chemistry, including the nomenclature, reactions, stereochemistry, and spectroscopy of hydrocarbons, alkenes, alkynes, and alkyl halides. Prerequisites: CHM 175 and CHM 176 or equivalent.

**Grade Basis:** L
**Credit hours:** 3.0

**Lecture hours:** 3.0

**Prerequisites:**

- CHM 175 - General Chemistry II
- CHM 176 - General Chemistry Laboratory II

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**CHM 331 - Organic Chemistry Laboratory I**

Laboratory experiments to accompany Organic Chemistry I (CHM 330). Two hours per week are required. Prereq or Coreq: CHM 330

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

**Prerequisites:**

- CHM 330 - Organic Chemistry I

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**CHM 335 - Organic Chemistry II**

A continuation of the fundamentals of organic chemistry through ethers, carboxylic acids, aldehydes, ketones, alcohols, amines, aromatic compounds and other selected topics. Prerequisite: CHM 330.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- CHM 330 - Organic Chemistry I

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**CHM 336 - Organic Chemistry Laboratory II**

Laboratory experiments to accompany Organic Chemistry II (CHM 335). Two hours per week are required. Prereq or Coreq: CHM 335. Prerequisite: CHM 331 or consent of instructor.

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

**Prerequisites:**

- CHM 331 - Organic Chemistry Laboratory I
- CHM 335 - Organic Chemistry II

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**CHM 420 - Biochemistry**

This course is a study of biochemical compounds and their role in intermediary metabolism. Special topics include biochemical energies and coenzyme mechanics. Prerequisites: CHM 330, and Pre or co- requisite BIO 325. Also listed as BIO 420.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BIO 325 - Genetics and Molecular Biology
- CHM 330 - Organic Chemistry I

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**CHM 421 - Biochemistry Laboratory**

Biochemistry Lab is a hands-on study of biochemical and molecular techniques used in various fields of biology. Two laboratory hours per week. CHM 330, and Pre or corequisite BIO 325 and BIO 420. Also listed as BIO 421.

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

**Prerequisites:**

- BIO 325 - Genetics and Molecular Biology
- BIO 420 - Biochemistry
- CHM 330 - Organic Chemistry I

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**CIS 235 - Application Software**

This course teaches students how to use some of the most popular categories of business software: word processing, electronic spreadsheets, database management software, and presentation software. CIS 235 assumes no prior knowledge of these software applications; however, it also introduces advanced techniques for the experienced user. Each package studied begins working at a novice level and quickly progresses to an advanced level. The course is taught in a hands-on laboratory fashion.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**CIS 330 - Introduction to Management Information Systems**

This course introduces the fundamental concepts of information systems and the ways they are applied in business. Case studies providing conceptual, hands-on and team activities will be utilized. The class will strengthen problem-solving skills using real-life business simulations.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**COM 205 - Oral Communication**

The study and practice of group, interpersonal communication and public communication for a variety of social and career settings with special attention to gendered and co-cultural communication.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**CRJ 101 - Introduction to Criminal Justice**

This course introduces the learner to the field of criminal justice by examining the major disciplines in the field of criminal justice. Students will be introduced to law enforcement, courts, corrections, and contemporary challenges in criminal justice.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**CRJ 201 - Corrections**

As one of its three main components, along with law enforcement and the courts, the field of corrections is fundamental to the study of criminal justice. This course will provide an introduction to the history and background of corrections and the fundamental theories of punishment and rehabilitation. Emphasis will be placed on the policies, practices, and issues within the correctional system, the incarceration of criminal populations in jails and prisons, and the expansion of community-based corrections. Included in the course will be an examination of the cultural, social, and theoretical contexts from which these developed.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**CRJ 305 - Constitutional Rights and Criminal Procedures**

This course examines the legal implications of obtaining evidence directly from the suspect. The Fourth, Fifth, and Sixth Amendments, and the rules of evidence are discussed as they relate to the investigation of criminal acts.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**CRJ 310 - Criminal Organizations**

This course will provide students with the framework for studying organized crime to identify public safety needs to control organized illegal activities. Learners will examine the evolution of criminal organizations, focusing primarily on organizations operating in the United States.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**CRJ 315 - Terrorism**

This course examines the psychological motivations for terrorist acts. It also explores the historical and governmental factors that provide a breeding ground for terrorist activities. Finally, it examines the social and religious justifications often utilized by terrorists. Both domestic and international terrorist groups are examined with a focus on prevention, identification, and deterrence of terrorist activities.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**CRJ 320 - Special Topics in Criminal Justice**

Special topics courses are offered on a variety of issues pertaining to the field of criminal justice. They will be designed to offer an in depth look at a particular aspect of criminal justice. Prerequisite: to be determined or consent of instructor.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**CRJ 350 - Policing America**

This course is designed to introduce students to the origins and history of policing, various law enforcement agencies and careers, and the current functioning of policing in America. Students will study strategies of policing as well as current debates in the field.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**CRJ 370 - Criminological Theory**

This course is designed to introduce students to the various classical, biological, psychological, and sociological theories of crime with emphasis placed predominately on sociological explanations of crime. Students will learn more about the correlates of criminal behavior at the individual, group, and societal level as well as measures intended to control crime and the theoretical frameworks that guide our thinking about the criminal justice system. Prerequisite: CRJ 101 Introduction to Criminal Justice.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- CRJ 101 - Introduction to Criminal Justice

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**CRJ 405 - Criminal Justice Ethics**

This course provides a broad overview of ethics as it applies to criminal justice practitioners. Ethical issues such as abuse of authority, racial discrimination, lying and deception, and others are addressed in the context of policing, courts, corrections, probation, and parole. Special attention is paid to the role leaders in criminal justice agencies play in establishing ethical practices within the organization.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**CRJ 410 - Courts and Court Procedures**

This course looks at the role of courts in the criminal justice process. Jurisdiction and the legal process are examined for an understanding of the legal system. The rules of evidence are explored in how they provide fairness to court proceedings.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

---

**CRJ 420 - Criminal Investigation**

This course introduces students to the process by which crime scene investigation is conducted. Students learn about the various personnel involved in crime scene processing and the important role

each plays in a criminal investigation. Guidelines for crime scene processing and evidence gathering are emphasized in the context of investigating various types of crimes.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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### CRJ 495 - Internship in Criminal Justice

Internship courses allow practical application of classroom knowledge and intentional development of skills applicable to the student's professional growth. The internship experience requires 120 hours of relevant field work, assigned readings and quizzes, reflection papers, evaluation by on-site supervisor, and a final paper. This course is restricted to Junior/senior status. Internship courses are graded pass/fail. May be repeated once. Only 3 credits of internship may be applied toward the upper level CRJ electives towards the major.

**Grade Basis:** L
**Credit hours:** 3.0

**Restrictions:**

- Junior or senior status
- May be repeated once
- Only 3 credits of internship may be applied toward the upper level CRJ electives towards the major.

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### CRJ 496 - Careers in Criminal Justice

In this course, students will complete a series of assignments that will allow them to further explore career options within the criminal justice field. This course emphasizes experiential learning. Students will participate in interviews with criminal justice professionals.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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### CRJ 498 - Research Methods in Criminal Justice

This course is designed to introduce students to the various research methodologies utilized to understand crime and the criminal justice system. Both qualitative and quantitative research methods will be discussed. The course covers research design, ethics, and data analysis. IN addition to exams and assignments, students will write a research proposal, which includes a literature review, research design, and potential findings/implications. Prerequisite: CRJ 101 Introduction to Criminal Justice. Students strongly encouraged to take ENG 380 with this course.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- CRJ 101 - Introduction to Criminal Justice

**Restrictions:**

- Students strongly encouraged to take ENG 380 with this course.

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**DVS 290 - Human Difference**

Human difference refers to characteristics and circumstances that identify, categorize, and differentiate individuals based on social and cultural experiences as well as genuinely occurring physical and intellectual challenges and abilities. Attitudes and reactions to human differences influence interactions and relationships among groups and individuals worldwide. This course focuses on enhancing critical thinking about inclusiveness and multicultural issues, examines cultural assumptions within our society, identifies ways to build community, and encourages students to appreciate differences.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**ECO 217 - Principles of Microeconomics**

This course continues the study of economic theory. It emphasizes relationship between consumers and firms, distribution and public policy.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**ECO 220 - Principles of Macroeconomics**

This course is an introduction to the nature of the price system, theories of income, employment and inflation, and government involvement in the market system through fiscal and monetary policy.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

---

**EDU 103 - Introduction to Education**

This course is an introduction to teaching. The role of education in contemporary society, the history of education, and the nature of teaching is explored. Must attend Teacher Education Orientation to take this class.

**Grade Basis:** L

**Credit hours:** 3.0
**Lecture hours:** 3.0

**Restrictions:**

- Must attend Teacher Education Orientation to take this class.

---

**EDU 108 - Introduction to Teacher Education Concentrations**

This course is an introduction to teaching. Topics covered include: the role of education in contemporary society, the history of education, different philosophies and objectives of elementary, middle, and secondary (high) school education. The nature of the school learner, goals, academic expectations and curriculum at each level are also studied in this course. Must attend Teacher Education Orientation to take this class.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Restrictions:**

- Must attend Teacher Education Orientation to take this class.

---

**EDU 188 - Field Experience Practicum: Initial (20 hours)**

Candidates in Education are required to complete 200 field experience hours prior to graduation. This course represents the initial twenty field hours towards this requirement. Must attend Teacher Education Orientation to take this class.

**Grade Basis:** L

**Restrictions:**

- Must attend Teacher Education Orientation to take this class.

---

**EDU 201 - Technology in the Educational Setting**

The course will explore the expanding use of technology in the educational setting. While major emphasis will be placed on the microcomputer in both the stand-alone or network setting and the laboratory or distributed environment, other technologies such as calculators, CD-ROM, television and interactive video, and digital cameras will be considered. Technology will be approached from both the aspect of assisting the educator with the instruction of students and in preparation of presentation materials, recordkeeping, etc. Must attend Teacher Education Orientation to take this class.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Restrictions:**

- Must attend Teacher Education Orientation to take this class.

---

**EDU 202 - Mathematics for Teachers I**

Mathematics for Teachers I is the first of a two-semester sequence in the theory and practice of mathematics used in teaching children preschool through grade twelve. Prerequisite: admission to the Education program.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Restrictions:**

- Must have admission to the Education program.

---

**EDU 210 - Teaching and Learning I**

This course is a study of the theories of learning and motivation. Learning styles and appropriate corresponding teaching styles and techniques are examined. Admission to the Education program usually occurs simultaneously while taking this course. Prerequisites: EDU 103, EDU 108 and admission to the Education program.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EDU 103 - Introduction to Education
- EDU 108 - Introduction to Teacher Education Concentrations

**Restrictions:**

- Must have admission to the Education program.

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**EDU 286 - Field Experience Practicum: Elementary School (60 hours)**

Candidates in the Education are required to complete 200 field experience hours prior to graduation. This course represents the sixty elementary school field hours towards this requirement. Prerequisite: admission to the Education program.

**Grade Basis:** L

**Restrictions:**

- Must have admission to the Education program.

### EDU 287 - Field Experience Practicum: Middle School (60 hours)

Candidates in the Education are required to complete 200 field experience hours prior to graduation. This course represents the sixty middle school field hours towards this requirement. Prerequisite: admission to the Education program.

**Grade Basis:** L
**Lecture hours:** 3.0

**Restrictions:**

- Must have admission to the Education program.

### EDU 288 - Field Experience Practicum: High School (60 hours)

Candidates in the Education are required to complete 200 field experience hours prior to graduation. This course represents the sixty high school field hours towards this requirement. Prerequisite: admission to the Education program.

**Grade Basis:** L
**Lecture hours:** 3.0

**Restrictions:**

- Must have admission to the Education program.

### EDU 302 - Mathematics for Teachers II

Mathematics for Teachers II is the second of a two-semester sequence in the theory and practice of mathematics used in teaching children preschool through grade twelve. Prerequisite: admission to the Education program.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Restrictions:**

- Must have admission to the Education program.

### EDU 305 - Classroom Management and Theory

Students will examine theories of development that impact the child and the development of developmentally appropriate curriculum. Additional topics include planning differentiated instruction, learning outcomes, and the effective use of assessment strategies. Research-based strategies will be examined that enable teachers to understand, manage, and respond effectively to classroom behavior. Students will explore classroom environments that meet the cognitive, social, emotional, and physical needs to the child. Required for Education Studies majors only.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

---

**EDU 314 - Multicultural Education**

Schools are primary agents of socialization. This is a course designed to increase the student's knowledge and awareness of diverse classroom populations. The course will focus on enhancing critical thinking skills when teaching cultural diversity and differentiation for diverse learners. It will examine learning styles affected by cultural diversity and exceptionalities such as language, disability, and the intellectually gifted, and their impacts on classroom teaching and learning. The course will introduce behaviorist and constructivist strategies for accommodating areas of exceptionalities and assessing their impacts upon student learning styles. Prerequisites: EDU 210 and admission to the Education program.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EDU 210 - Teaching and Learning I

**Restrictions:**

- Must have admission to the Education program.

---

**EDU 315 - The Exceptional Child and Legal Aspects of Special Education**

This course is designed to provide a cross-categorical survey of knowledge concerning the identification, evaluation, education, learning characteristics, and academic/social needs of exceptional children and youth. Course content will review the categories of exceptional individuals in terms of mental, physical, and emotional characteristics. Major emphasis will be focused upon current trends, issues, legislation, and educational procedures as they relate to the integration of exceptional students in regular classroom settings. Prerequisites: EDU 103, EDU 108, EDU 210, and admission to the Education program. Field Experience required.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EDU 103 - Introduction to Education
- EDU 108 - Introduction to Teacher Education Concentrations
- EDU 210 - Teaching and Learning I

**Restrictions:**

- Must have admission to the Education program.
- Field Experience required.

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**EDU 321 - Characteristics of Children and Youth with Learning and Behavior Disorders**

This course provides an in-depth study of characteristics of children and youth with learning and/or behavior problems. Course content will also include a review of recent brain research, the concept of multiple intelligences, different learning styles, and differentiated instruction relative to the planning and provision of an appropriate educational program for children/youth with learning/behavior problems. Prerequisites: EDU 315 and admission to the Education program. Field Experience required.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EDU 315 - The Exceptional Child and Legal Aspects of Special Education

**Restrictions:**

- Must have admission to the Education program.
- Field Experience required.

---

**EDU 329 - Characteristics and Educational Programming for Secondary and Learning Behavior Disorder Students**

This course provides an in-depth study of specific characteristics and needs of secondary students who experience learning and/or behavior problems. Course content will emphasize factors to consider in planning and providing appropriate educational programs for students integrated into regular classroom settings. Activities will include evaluation, design, and implementation of alternative approaches/strategies for LBD students in basic skill areas of reading, writing, and mathematics. Discussion will also include preparation of LBD secondary students into the work world. Prerequisites: EDU 315 and admission to the Education program. Field Experience required.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EDU 315 - The Exceptional Child and Legal Aspects of Special Education

**Restrictions:**

- Must have admission to the Education program.
- Field Experience required.

---

**EDU 332 - Educational Evaluation Techniques**

This course is a study of evaluation principles relative to academic, social, and personal characteristics of children and youth. Formal/informal evaluation and diagnosis as a basis for writing Individual Education Programs (IEPs) will be emphasized. Applied behavior analysis will be contrasted with alternative evaluation techniques. Prerequisites: EDU 315 and admission to the Education program.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EDU 315 - The Exceptional Child and Legal Aspects of Special Education

**Restrictions:**

- Must have admission to the Education program.

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**EDU 338 - Foundations of Literacy**

This course includes the foundational knowledge of literacy. Emphasis is on reading research, historical background, theories, and key vocabulary in the field of literacy, as well as, the influences of cultural and linguistic diversity on reading and language development. Prerequisite: admission to the Education program.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Restrictions:**

- Must have admission to the Education program.

---

**EDU 340 - Classroom and Behavior Management for Children and Youth with Learning and Behavior Disorders**

This course emphasizes the integration of theory, research, and practice necessary for understanding, influencing, and impacting positive behavior changes in children and youth. Emphasis is placed on identification of observable behaviors, performing task analysis, structuring learning environments, selecting and implementing behavior management strategies, and utilizing methods for monitoring behavior changes. Prerequisites: Completion of EDU 360 and EDU 315 and admission to the Education Program. Field Experience required.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EDU 315 - The Exceptional Child and Legal Aspects of Special Education
- EDU 360 - Teaching and Learning II

**Restrictions:**

- Must have admission to the Education program.
- Field Experience required.

---

**EDU 350 - Instructional Technology, Materials, and Community Resources for Children and Youth with Learning and Behavior Problems**

The focus of this course is the utilization of instructional technology, appropriate materials, and community resources available for remediating/reinforcing skills and influencing positive behavior changes. Students will have ample opportunities to analyze appropriateness of materials, adapt, and create materials for use with children/youth experiencing learning and/or behavior problems. Opportunities will also be provided for students to operate technology hardware and make software decisions. Prerequisites: Completion of EDU 201 and EDU 315 and admission to the Education Program. Field Experience required.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EDU 201 - Technology in the Educational Setting
- EDU 315 - The Exceptional Child and Legal Aspects of Special Education

**Restrictions:**

- Must have admission to the Education program.
- Field Experience required.

---

**EDU 360 - Teaching and Learning II**

This course is a study of the techniques of classroom management and discipline. The student develops space and time management skills, report writing skills, and testing and assessment strategies. Prerequisites: EDU 103 and EDU 210, and admission to the Education program. Field Experience required.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EDU 103 - Introduction to Education
- EDU 210 - Teaching and Learning I

**Restrictions:**

- Must have admission to the Education program.
- Field Experience required.

---

**EDU 370 - Teaching Literacy to All Students across Grade levels and Content Areas**

The purpose of the course is to provide students with the foundations of literacy, the relationship between reading, writing, listening and speaking skills, provide a variety of instructional strategies, integrate literacy skills into the content areas, provide opportunities to view and use assessment data to inform instruction, and to review a variety of assessment tools to monitor student progress.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

---

**EDU 380 - Educational Programming for Elementary Students with Learning and Behavior Disorders**

This course emphasizes educational programming in academic areas of reading, writing, language, and math for elementary students experiencing learning and behavior problems. Course content activities will include reviewing skill sequences, analyzing evaluation data, writing academic objectives for IEPs, constructing lesson plans, utilizing alternative teaching strategies, and planning effective management of classroom time, space, and instruction. This course will also prepare students to interact with parents, conduct successful parent conferences, and design appropriate interventions for parents to implement at home. Prerequisites: EDU 315 and admission to the Education program. Field Experience required.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EDU 315 - The Exceptional Child and Legal Aspects of Special Education

**Restrictions:**

- Must have admission to the Education program.
- Field Experience required.

---

**EDU 390 - Children and Youth with Exceptionalities in Regular Education**

The focus of this course is a review of the rationale, practice, and dynamics of the inclusion approach for exceptional children and youth in regular class settings. Emphasis will be on special needs of students with learning/behavior problems, alternative teaching strategies, and procedures

for collaborating with regular classroom teachers. Prerequisites: EDU 315 and admission to the Education program.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EDU 315 - The Exceptional Child and Legal Aspects of Special Education

**Restrictions:**

- Must have admission to the Education program.

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**EDU 404 - Secondary Reading and Language Arts Teaching Methods**

This course focuses on methods and materials for teaching language arts and reading at the Secondary level and includes instruction and assessment to prepare English language arts teachers who are knowledgeable about language, an extensive range of literature, oral and written composition. Includes an examination of ways students respond to literature and read for different purposes. Literacy programs and the importance, processes, and skills of reading will also be addressed. Prerequisites: EDU 210, EDU 360, and admission to the Education Program.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EDU 210 - Teaching and Learning I
- EDU 360 - Teaching and Learning II

**Restrictions:**

- Must have admission to the Education program.

---

**EDU 405 - Reading and Language Arts Teaching Methods**

Methods and materials for teaching reading and language arts to elementary and middle school students. Emphasis will be on language development and the integration of reading, listening, talking, writing, viewing, and visual representation skills in the language arts/reading classroom and across the curriculum. Students will explore the writing process and writing workshop. Prerequisites: EDU 210, EDU 360, and admission to the Education Program.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EDU 210 - Teaching and Learning I
- EDU 360 - Teaching and Learning II

**Restrictions:**

- Must have admission to the Education program.

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**EDU 410 - Secondary Biology Teaching Methods**

This course focuses on methods and materials for teaching science secondary levels. Included is a variety of instructional strategies, curricula, and methods for designing and implementing laboratory and field-based learning activities. The course will also teach students essential elements of science unit planning. Prerequisites: EDU 210 and EDU 360 and admission to the Education program.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EDU 210 - Teaching and Learning I
- EDU 360 - Teaching and Learning II

**Restrictions:**

- Must have admission to the Education program.

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**EDU 419 - Social Studies Teaching Methods**

This course focuses on methods and materials for teaching social studies to elementary and middle school children. Students will demonstrate an understanding of historical perspective, geography, economics, government and civics, and culture and society as they relate to the classroom.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EDU 210 - Teaching and Learning I
- EDU 360 - Teaching and Learning II

**Restrictions:**

- Admission to the Education Program

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### EDU 420 - Secondary Math Teaching Methods

This course focuses on methods and materials for teaching math at the secondary level. Included is a variety of instructional strategies, math curricula, and plans for designing and implementing laboratory and field based learning activities. Prerequisites: EDU 210, EDU 360 and admission to the Education program.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EDU 210 - Teaching and Learning I
- EDU 360 - Teaching and Learning II

**Restrictions:**

- Admission to the Education Program

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### EDU 421 - Science Teaching Methods

This course will prepare students to acquire the knowledge base to be effective teachers in the content area of science. The course includes instructional practices that will give the students the understanding of the elements in designing units of study in science. Attention will be given to practical experiences and assignments that will have a direct impact on the teaching of science.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EDU 210 - Teaching and Learning I
- EDU 360 - Teaching and Learning II

**Restrictions:**

- Admission to the Education Program

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### EDU 425 - Mathematics Teaching Methods

This course offers an overview of math teaching methods for elementary and middle school education majors. The course includes emphasis on the research that underlies current best practices in methodology, on theoretical foundations of teaching math, and on practical applications of theory.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**EDU 498 - Student Teaching/Seminar**

The student is assigned to an appropriate program or educational setting for one semester. The student will spend eight weeks in each of two separate environments. Early elementary placements must span not less than three age levels. Prerequisites: senior standing, completion of professional education requirements, completion of all other coursework and formal application for student teaching.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**EDU 499 - Education Field Experience Practicum**

The student will be assigned to an appropriate regular education program or educational setting for a half-semester (sixteen weeks). This practicum is designed for non-certification majors.

**Grade Basis:** L
**Credit hours:** 6.0

---

**EDU 501 - Teachers as Professional Leaders**

This course is designed to provide candidates with the materials, knowledge and information to be able to perform their role as a teacher leader effectively. Topics covered include evidence-based characteristics of effective teacher leadership, confidence, communication, collaboration, improving teaching, and continuous improvement.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

---

**EDU 502 - Closing the Achievement Gap through Assessment, Evaluation and Data Analysis**

This course provides candidates with opportunities to examine student data from their current school setting and collaborate with school personnel while assuming a leadership role in their professional learning community or other collaborative team in order to make instructional and assessment decisions which impact P-12 student learning. In this course, candidates learn to analyze student data and use the findings to identify achievement gaps, research applicable methods to address these gaps, and finally develop a plan to address the learning needs of an underserved population in their school.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**EDU 504 - Disciplinary Literacy Instruction and Leadership**

Disciplinary literacy explores the identities, habits of mind, and scaffolded instructional approaches necessary to increase the comprehension of discipline specific complex texts among students in middle and high school. Employing a Gradual Release of Responsibility (GRR) model, candidates will learn how to mentor their students to become increasingly independent in accessing and understanding complex text from different academic disciplines. Drawing on the knowledge, skill, and habits of mind acquired in the course, candidates are expected to become a coaching resource in disciplinary literacy for their respective academic disciplines and departments.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

---

**EDU 506 - Educational Policy and Law for Teacher Leader**

examine the legal system, the role it plays in the educational setting, and the practical application of legal concepts and how they apply to the numerous daily decisions teachers make. Primary attention is devoted to federal and state laws which serve to define the legal rights and responsibilities of teachers.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

---

**EDU 507 - Teacher Leadership: Collaborating, Coaching and Mentoring with Teachers**

This course is designed to provide the teacher leader with the fundamental knowledge and dispositions to implement best practices in professional learning community activities; collaborating, coaching, and mentoring with teachers in job-embedded experiences to successfully improve student achievement; and teach the fundamental tenets of professional development and presentation skills. This course will also provide candidates with leadership skills for working in schools with students, colleagues, and the community.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

---

**EDU 508 - Professional Growth and Development in Teacher Leadership**

This course offers an examination of professional development as embedded in the daily practice of teaching and leadership and essential to the establishment of a learning community. Through job-embedded professional development opportunities aligned with individual needs, students will develop the knowledge, skills, and dispositions of a teacher leader. This course provides opportunities for the student, the faculty mentor, and other professionals to work collaboratively with local school districts on programming, instruction, and skills as they relate to teacher leadership development and assessment for student learning.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**EDU 509 - Topics and Trends in P-12 Schools**

This course is a study of issues presently impacting the educational environment. All age perspectives (P-12) and all levels (local, regional, state, and national) are explored in this class. Students are asked to research and explore the past, present, and future of selected topics through an examination of current media sources, professional journals and books, and field practices. Through critical reflection and research, students are challenged to make direct applications into what is best for education. The content of the course will change as political, legal and educational perspectives change

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**EDU 511 - Teaching for Equity and Justice in Schools through Leadership**

This course focuses on characteristics of diversity, equity, and social justice as they impact the classroom, school, and community. Teacher leaders will explore current trends and practices, developmentally appropriate assessment and instruction, and accommodating differences in learners.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**EDU 529 - Action Research for Teacher Leaders I**

This course is designed as a guide to conduct research in classrooms. It provides candidates with an understanding of the nature, procedures, and applications of action research. Qualitative and quantitative methods are included. EDU 529 cannot be taken in the first year of one’s program.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EDU 501 - Teachers as Professional Leaders

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**EDU 531 - Action Research for Teacher Leaders II**

This course is the culminating action research project (Teacher Research Project) on a pre-approved topic, combining the candidate’s Professional Growth Plan with the School Improvement Plan.

Prerequisites: All other MED coursework must be completed either prior to or concurrently with this course during the final semester. EDU 531 cannot be taken in the first year of one's program.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**EDU/PSY 260 - Human Growth and Development**

Study of the theories and research related to human development from conception through adulthood, including the developmental stages of infancy, childhood, adolescence, young adulthood, middle adulthood, and late adulthood. The interaction among the physical, cognitive and social aspects of development as well as the major theories of development and current research are discussed.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**ENG/RDG 100 - Introduction to College English**

English 100 is a required course for all students whose ACT score or other evaluation indicates a need for preparatory instruction in the areas of reading comprehension and writing skills. This course counts as an elective for graduation but may not be used to meet specific program requirements or satisfy the ENG 101, ENG 102 graduation requirement. Completion with a grade of C or higher required before enrolling in ENG 101.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**ENG 101 - College Writing I**

Introduction to university-level reading and writing practices: learning to compose for university audiences, to read challenging texts actively, to make interpretations and claims, and to collaborate with others. Completion with a C or higher required. Prerequisites: an ACT English score of 18; or equivalent

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**ENG 102 - College Writing II**

Study and practice of critical, research-based writing, including research methods, presentation genres, source evaluation, audience analysis, and library/online research. Students complete at least one sustained research project with focus on argument. This course involves multimodal composition

and critical thinking. Completion with a C or higher required. Prerequisite: Completion of ENG 101 with a grade of C or higher.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ENG 101 - College Writing I

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**ENG 210 - Introduction to Literature**

English 210 is a general introduction to literary study, focusing on the critical reading, interpretation and analysis of fiction, poetry and drama. Students will learn to read and respond to the literary genres by writing essays which are informative, appreciative and evaluative. The students will be introduced to the elements of fiction, poetry, drama, and nonfiction, and will learn to respond critically in writing to these works.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**ENG 211 - Introduction to Journalism**

In ENG 211 students learn the elements of print news and feature writing, the history of journalism, and journalistic ethics. Students will write according to Associated Press (AP) Style.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**ENG 215 - Introduction to Literary Criticism**

English 215 introduces students to the history of literary criticism and to major literary-critical approaches. Students will apply these literary-critical approaches to a variety of genres.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**ENG 220 - Creative Writing**

This course will introduce students to a variety of genres in creative writing: fiction, non-fiction, poetry, drama. Students will study examples of each genre and create short pieces of their own in each area. Students will receive feedback from their peers and professor as they develop drafts of original work. The course is intended to generate interest in more advanced and focused creative writing courses, as well as to allow beginning writers to explore where their interest may lie. Publication of a student-

produced literary journal may provide an opportunity, as well, for students to see their work in print. An introduction to the world of editing and publishing may be covered as time and interest permit. Pre-requisites: English 101 and 102 (Composition I and II) and English 210 (Introduction to Literature) or permission of instructor.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ENG 101 - College Writing I
- ENG 102 - College Writing II
- ENG 210 - Introduction to Literature

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**ENG 280 - Theatre Practicum**

Theatre Practicum is a 3-hour course for those interested in participating in a full theatrical production. Students will be introduced to basic theatre history, acting techniques, stagecraft, script analysis, lighting and sound design, set building, costuming, make-up, and all aspects of putting on a play. Students will then be assigned to various roles both on-stage and back-stage. Prerequisite: ENG 101. May be used to fill Gen Ed humanities requirement or electives.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ENG 101 - College Writing I

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**ENG 281 - Theatre Practice**

Theatre Practice may be repeated any number of times for one additional hour credit each repeat for students to continue learning and working in theatre production for the Midway stage. Each repeated course will involve additional material to learn and roles to play. Prerequisite: ENG 280.

**Grade Basis:** L
**Credit hours:** 1.0
**Lecture hours:** 1.0

**Prerequisites:**

- ENG 280 - Theatre Practicum

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**ENG 300 - Linguistics and History of the English Language**

English 300 is designed to provide an overview of current theories of language and current issues in social uses of language (e.g., registers and dialects), an understanding of the grammar of the English language, and a brief introduction to the history of British and American English.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**ENG 305 - Studies in World Literature**

English 305 focuses on major writers, periods, and literary movements in world literature from the ancient world to the modern period. Before each semester the course is offered, the area of focus — the periods, movements and/or writers to be studied will be designated. The course may be repeated if it focuses on different subject matter.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**ENG 310 - Special Topics in Writing**

English 310 focuses on a specific type or genre of writing, at the discretion of the instructor. Student will produce and comment on original manuscripts in a workshop atmosphere. May be repeated under different topics. Prerequisite: ENG 102.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ENG 102 - College Writing II

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**ENG 312 - Professional Writing**

English 312 emphasizes specific audiences. Students will write in a variety of modes within a collaborative process. The course emphasizes writing to different audiences within the academic and professional worlds. Assignments require intense topic exploration, collaboration and audience analysis. Prerequisite: ENG 102.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ENG 102 - College Writing II

### ENG 313 - American Literature Survey I

English 313 focuses on master works from the Colonial Era, through the Romantic and Realism periods.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

### ENG 315 - American Literature Survey II

English 315 focuses on master works from the Civil War through the present. Includes Naturalistic, Modern, and Contemporary authors.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

### ENG 325 - Writing Center Theory and Practice

This course is designed to examine the theoretical practices and practical components of writing center work. Students will be expected to complete a research project and a teaching presentation. The practicum component of the course requires a minimum of 30 hours of writing center work including observation and tutoring. Open to all majors. Prerequisites: completion of ENG 101 and ENG 102 with a B or better; or the instructor’s permission based upon submission of a writing sample.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ENG 101 - College Writing I
- ENG 102 - College Writing II

### ENG 327 - British Literature Survey I

English 327 introduces students to British epic, fiction, poetry and drama from the Anglo-Saxon period through Restoration. Includes Chaucer, Shakespeare, Milton, Donne and other major writers.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**ENG 328 - British Literature Survey II**

English 328 introduces students to British poetry, fiction and drama from the Restoration to the present. Focuses on major authors.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**ENG 341 - Adolescent Literature**

English 341 is a study of the history, development and characteristics of literature for adolescent readers. Focuses on evaluation, appreciation, and interpretation, including the understanding of classroom use. More intense literary/critical writing for English majors. Prerequisite: ENG 210 or consent of instructor.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ENG 210 - Introduction to Literature

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**ENG 380 - Writing in the Disciplines**

Sustained research and writing project in a student's field or area of interest. Analysis of the rhetoric and methodologies of research. This course must be completed at Midway University. The course might also have a discipline-specific prefix. Prerequisites: ENG 102 with C or better and Junior status.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ENG 102 - College Writing II

**Restrictions:**

- This course must be completed at Midway University.

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**ENG 390 - Special Topics in Literature**

Special Topics is a flexible course to offer various topics determined by instructor/student preferences. Students may repeat the course as long as the sub-topic is different for each course.

**Grade Basis:** L
**Credit hours:** 3.0

**Lecture hours:** 3.0

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**ENG 405 - Shakespeare**

English 405 focuses on Shakespeare’s plays and sonnets, with attention to conventions of the Elizabethan and modern theatres. Students will become familiar with Shakespearean criticism and will view dramatic productions of several plays. Prerequisite: ENG 210 or consent of instructor.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ENG 210 - Introduction to Literature

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**ENG 410 - Topics in Writing**

Topics in Writing will focus on a specific type or genre of writing at the discretion of the instructor. Students will produce and comment on original manuscripts in a workshop atmosphere. May be repeated under different topics. Prerequisites: ENG 220, ENG 310, or permission of instructor.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ENG 220 - Creative Writing
- ENG 310 - Special Topics in Writing

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**ENG 420 - Internship for English Majors**

This course is designed to give students practical experience related to the field of English through working, researching, and/or studying in a public or private agency. Students will be supervised by the sponsoring agency as well as a faculty advisor; all parties will work together to designate individual goals and responsibilities for each student at the outset of the internship, resulting in an Individual Internship Plan that will serve as part of the syllabus for the course. Intern positions may be obtained in a broad range of relevant organizations. Prerequisites: English major; ENG 380; junior or senior standing; overall GPA of 2.5 or higher

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ENG 380 - Writing in the Disciplines

**Restrictions:**

- English major; junior or senior standing; overall GPA of 2.5 or higher

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**ENG 498 - Senior Seminar**

In a culminating seminar, each student, in consultation with the seminar leader and advisor, will conduct intensive research and write a paper. The objective of each student's work is to communicate the distinctive contribution of his or her perspective to the understanding of the topic. Prerequisite: senior standing.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Restrictions:**

- Senior standing

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**ENV 201 - Principles of Environmental Science**

This is an introductory course to the field of environmental science with an overview of the scientific method, basic principles of ecology, environmental ethics, and some of the environmental problems confronting our world. This course is designed for the non-Science major. Three hours lecture.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Restrictions:**

- This course is designed for the non-Science major.

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**ENV 202 - Principles of Environmental Science Laboratory**

This is an introductory course to the techniques and measurements used in the field of environmental science including use of the scientific method, basic principles of laboratory techniques and measurements, application of the principles of ecosystems and biomes, and confrontation of some of the environmental problems confronting our world.

**Grade Basis:** L
**Credit hours:** 1.0
**Lecture hours:** 1.0

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**ENV 417 - Investigating and Evaluating Environmental Issues**

This course provides the problem-solving skills to understand and tackle controversial issues using the environment as an integrating theme. Higher order thinking skills are used for a critical investigation of community and regional environmental issues. IEEIA uses a value-fair process to understand the beliefs and values of key players in any controversy. Participants will learn how to start issue investigations, use surveys, questionnaires and opinionnaires, and how to interpret data in environmental issue investigations. Research-supported methods for teaching issues investigations will also be demonstrated. This course will include a toolbox of environmental action strategies. Offered only as 2-week summer workshop.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**EQS 109 - Equine Farm Operations I**

This hands-on practicum will familiarize the student with basic horse husbandry while fostering leadership skills, effective communication, and teamwork. Students will participate in daily work on the farm as part of the course requirements, including some weekends and evenings. This course is required for all pre-equine students in order to be considered for entrance into the Equine Studies program.

**Grade Basis:** L
**Credit hours:** 4.0
**Lecture hours:** 4.0

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**EQS 111 - Equine Farm Operations II**

This course is a continuation of EQS 109. Students will continue to participate in daily work on the farm as part of the course requirements, with more scope of responsibility and emphasis on leadership and communication. Some weekend and evening participation in equine operations activities will be required. This course is required for all pre-equine students in order to be considered for entrance into the Equine Studies program.

**Grade Basis:** L
**Credit hours:** 4.0
**Lecture hours:** 4.0

**Prerequisites:**

- EQS 109 - Equine Farm Operations I

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**EQS 165 - Introduction to Equine Studies**

This course will introduce students to a variety of aspects of the equine industry, with a heavy focus on career opportunities. Topics covered in this class include evolution of the horse and breed development, horse identification, careers with direct contact with horses, careers which support

the equine industry, and the importance of internships, networking, and marketing when pursuing a career. This course is required for all pre-equine students in order to be considered for entrance into the Equine Studies program.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**EQS 209 - Equine Farm Operations Management I**

This practicum is designed to develop students' management skills by utilizing the Midway University equine facilities as a teaching model. Students will be expected to participate in daily equine farm operations management activities and decision-making under the supervision and guidance of an equine faculty or staff member. Some weekend and evening participation in equine operations management is a requirement of this course.

**Grade Basis:** L
**Credit hours:** 4.0
**Lecture hours:** 4.0

**Restrictions:**

- This course is for students who have been fully accepted into the Equine Studies program and have chosen the Horse Management concentration.

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**EQS 210 - Topics in Equine Management**

This course is a survey of current topics in the equine industry. Topics of this course may include but are not limited to training theory, course design, event management, and history, development and use of specialized equipment. This course may be repeated provided that the content is different.

**Grade Basis:** L
**Credit hours:** 1.0
**Lecture hours:** 1.0

---

**EQS 211 - Equine Farm Operations Management II**

This course is a continuation of EQS 209, with emphasis on equine healthcare management and management of farm personnel. Students will continue to participate in farm management activities under the supervision and guidance of an equine faculty member. Some weekend and evening participation in farm operations management is a requirement for this course.

**Grade Basis:** L
**Credit hours:** 4.0
**Lecture hours:** 4.0

**Prerequisites:**

- EQS 209 - Equine Farm Operations Management I

**Restrictions:**

- This course is for students who have been fully accepted into the Equine Studies program and have chosen the Horse Management concentration.

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**EQS 214 - Equine Healthcare Management**

Various aspects of healthcare management emphasizing a scientific basis for applied management decisions are addressed in this course. Common pharmaceuticals, their administration, control, and legal aspects to their uses in equine sports are identified. The veterinarian-owner-patient relationship is covered in context with the Veterinary Practice Act with emphasis on accurate communication between owner and veterinarian. Equine nursing management and pain identification are key components to maintaining ethical healthcare decisions. Finally, preventative care emphasizing factors for routine care such as disease control, de-worming and dental work are discussed.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**EQS 215 - Equine Anatomy and Physiology**

This course is a general study of the anatomy and physiology of the horse. Students will learn about the skeletal, muscular, cardiovascular, respiratory, digestive, urinary, reproductive and nervous systems. The relation of form to function is emphasized throughout all systems. This course is required for all pre-equine students in order to be considered for entrance into the Equine Studies program.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EQS 165 - Introduction to Equine Studies

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**EQS 216 - Equine Anatomy and Physiology Laboratory**

This is the companion laboratory to EQS 215 and continues the introduction to the various systems of the horse. Students will study the various organs of the systems and their relationships to each other. This course is required for all pre-equine students in order to be considered for entrance into the Equine Studies program.

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 1.0

**Prerequisites:**

- EQS 215 - Equine Anatomy and Physiology

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**EQS 226 - Equine Rehabilitation I**

This course is a study of management and scientific theory in the rehabilitation and athletic performance of horses. Included in the course is a discussion of choice and application of the various therapeutic modalities. Modalities covered include mechanical manipulation, electrophysical agents such as heat and cold, electrical stimulation, infrasound, and ultrasound. Students will be expected to spend time in the equine facility obtaining hands-on experience using therapeutic modalities as part of the course requirements. Prerequisites: EQS 215 and EQS 216.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EQS 215 - Equine Anatomy and Physiology
- EQS 216 - Equine Anatomy and Physiology Laboratory

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**EQS 251 - Feeds, Feeding and Forages**

This is a practical equine nutrition course designed specifically for students interested in management positions. Identification and use of grains, forages, supplemental feeds, and additives will be discussed. In addition, students will learn methods of assessing feed quality, feed value, and price as well as proper storage of feeds. Basic digestive anatomy, digestion, and ration formulation for various classes of horses and feed processing methods will also be discussed. Prerequisites: EQS 215 and EQS 216.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EQS 215 - Equine Anatomy and Physiology
- EQS 216 - Equine Anatomy and Physiology Laboratory

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**EQS 307 - Equine Reproductive Management**

Students will be responsible for identifying, assessing and interpreting scientific principles of equine reproduction and using their assessments to propose management decisions in an equine model. Topics for this course will include horse selection, mare and stallion management, foaling, neonatal care, reproductive diseases and disorders, and lactation. Prerequisites: EQS 215 and EQS 216.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EQS 215 - Equine Anatomy and Physiology
- EQS 216 - Equine Anatomy and Physiology Laboratory

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### EQS 309 - Topics in Equine Studies

Topics in this course will be presented in a seminar format. Topics will change each time this course is offered and may include, but are not limited to horses in the arts, horse and human interaction, marketing, sales prep, event management, etc. This course, with a different topic, may be repeated.

**Grade Basis:** L
**Credit hours:** 1.0
**Lecture hours:** 1.0

**Prerequisites:**

- EQS 215 - Equine Anatomy and Physiology

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### EQS 314 - Writing in Equine Studies

In this course students will complete a sustained research and writing project related to their interests in equine studies. Analysis of the rhetoric and methodologies of research will also occur. Students will also explore other forms of writing appropriate to the equine industry. A grade of C or higher is required. Prerequisites: ENG 101 and ENG 102.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ENG 101 - College Writing I
- ENG 102 - College Writing II

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### EQS 318 - Equine Behavior

Normal and abnormal horse behaviors, including stereotypes, will be discussed in this course. Students will learn how behavior affects the raising, training, and management of horses. Behaviors explored will include communicative, injective, sexual, social, aggressive, and abnormal behaviors. The evolution of the horse, its relationship with the environment and how this explains actions and reactions of the horse will also be explored. Prerequisites: EQS 215 and EQS 216.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EQS 215 - Equine Anatomy and Physiology
- EQS 216 - Equine Anatomy and Physiology Laboratory

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**EQS 325 - Equine and Comparative Anatomy and Physiology**

A study of the anatomy and physiology of the skeleton and joints, digestive, respiratory, cardiovascular, and endocrine and nervous systems. This course is also a comparative study of anatomy and physiological processes among farm species. Prerequisites: EQS 215 and EQS 216 and any Biology course with a laboratory.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EQS 215 - Equine Anatomy and Physiology
- EQS 216 - Equine Anatomy and Physiology Laboratory

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**EQS 326 - Equine Rehabilitation II**

This course is a continuation of EQS 226. Discussion of the various therapeutic modalities will be continued, with the addition of the role of controlled movement and loading in equine rehabilitation. Students will be expected to develop therapeutic and rehabilitative strategies for individual horses within the University’s equine facility. Students will be expected to participate in rehabilitation and administration of therapy as part of the course requirements. A portion of this course may include traveling to facilities outside of the University to gain hands-on experience under the supervision of an equine faculty member.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EQS 226 - Equine Rehabilitation I

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**EQS 327 - Pasture Management**

This course focuses on the distribution of various forage crops and their adaptations to soil and climate. Also discussed are selection of forages, seeding rates and mixtures, forage productivity, and weed and pest control. Prerequisites: EQS 215, EQS 216, EQS 251 and any General Education natural science requirement.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EQS 215 - Equine Anatomy and Physiology
- EQS 216 - Equine Anatomy and Physiology Laboratory
- EQS 251 - Feeds, Feeding and Forages

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**EQS 335 - Integrative Performance Clinical**

Students will observe and apply integrative performance skills with emphasis on athletic maintenance. Procedures in care and clinical assessment, record keeping, and communication will be emphasized. This clinical experience will take place primarily at the Midway University equine facilities with opportunities for off-campus observations. Prerequisites: EQS 326 and EQS 356.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EQS 326 - Equine Rehabilitation II
- EQS 356 - Exercise Physiology

---

**EQS 337 - Equine Facilities Management**

This hands-on class will provide the student with real life experiences in equine farm management. The student will participate in daily work at outside facilities within the equine industry. The course will also focus on the student's strengths and career goal. Current models are used to evaluate the student's strengths and how to best use in the work place environment. Student will apply the results of their strength assessment towards their career goals. Prerequisite: EQS 209 and EQS 211.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EQS 209 - Equine Farm Operations Management I
- EQS 211 - Equine Farm Operations Management II

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**EQS 351 - Animal Nutrition**

The digestive systems, nutritional requirements, formulated rations, and economical feeding programs for farm animals and selected companion animals are discussed. There will be an exposure to computerized ration balancing techniques, in addition to the principles of ration formulation by hand methods. Prerequisite: EQS 251.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EQS 251 - Feeds, Feeding and Forages

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**EQS 356 - Exercise Physiology**

This course is a comprehensive study of exercise physiology as it relates to anatomy, gait analysis, physiological response to training, and biomechanics. The effect of the rider on performance is also discussed. Prerequisites: EQS 215 and EQS 216 and any General Education natural science requirement.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EQS 215 - Equine Anatomy and Physiology
- EQS 216 - Equine Anatomy and Physiology Laboratory

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**EQS 395 - Equine Internship**

Internship courses allow practical application of classroom knowledge and intentional development of skills applicable to the student's professional growth. The internship experience requires 135 hours of relevant field work at an internship site related to their concentration, in addition to scheduled class meetings. Students will be under the supervision of faculty and site supervisors. Students will be expected to complete reflections and demonstrate learning through a final project or presentation. Internship courses are graded pass/fail. This course is restricted to junior or senior status. Students with more than one concentration will be expected to complete and additional internship related to the second concentration. This course may be repeated once for credit.

**Grade Basis:** P
**Credit hours:** 3.0

**Restrictions:**

- Junior or senior status

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**EQS 398 - Immersive Internship**

This advanced internship course allows for practical application of classroom knowledge and intentional development of skills applicable to the student's professional growth. This internship requires full-time relevant field work at the internship site in addition to purposeful mentoring by a site supervisor and faculty supervisor. Students will be expected to complete reflections and demonstrate learning through assignments and a final project or presentation. Internship courses are graded as Pass/Fail. This course is restricted to Junior/Senior status. This course may not be repeated.

**Grade Basis:** P
**Credit hours:** 12.0

**Restrictions:**

- Junior or senior status
- May not be repeated

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**EQS 411 - Animal Ethics, Welfare, Rights, and Law**

This course will be presented in a survey format. Topics will include ethical concerns regarding the animal rights and welfare movement and the impact of this movement on the equine industry. Prerequisites: EQS 318, PSY 180 or SOC 120.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EQS 318 - Equine Behavior
- PSY 180 - General Psychology
- SCO 120 - Principles of Sociology

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**EQS 412 - Equine Facility Design**

Students will be responsible for identifying design considerations and critically assessing facilities based on presented topics. At a minimum, topics will include farm layout, stable and housing design, manure management, safety and emergency planning, and environmental considerations for equine farms.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**EQS 426 - Equine Rehabilitation III**

This course is a continuation of EQS 326. It is a case-based course with emphasis on hands-on application of rehabilitation techniques and therapeutic modalities. This course will require traveling to facilities outside of the University in order to obtain field experience working with athletic horses. All procedures will be performed under the supervision of an equine faculty member.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EQS 326 - Equine Rehabilitation II

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**EQS 430 - Eastern Medicine**

In this course students learn to evaluate the horse using concepts of eastern medical thought. Eastern veterinary medicine will be presented in comparison to the approach of western veterinarians. Topics discussed in this course include but are not limited to acupuncture/acupressure, energy therapies, aromatherapy, and the use of herbal therapies.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**EQS-435 - Equine Nutrition and Pharmacology**

This is an advanced nutrition course which focuses on the biochemical aspects of nutrition. Nutrient metabolism as it relates to performance is covered in this course. Current research in equine nutrition will be incorporated into lectures, including application to practical management. Supplements, nutraceuticals, and pharmaceuticals used to aid in performance are also discussed. A class in organic chemistry or biochemistry is highly recommended before taking this course. Prerequisite: EQS 251.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- EQS 251 - Feeds, Feeding and Forages

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**EQS 492 - Equine Studies Capstone**

This course is the culmination of a student's undergraduate educational experience in Equine Studies. It integrates a liberal arts education with competency in the area of emphasis. Students will be expected to complete an independent project related to their interests in science, management, or business. Projects may include, but are not limited to, a research project, business plan, or other project as approved by the instructor.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**EQS 495 - Equine Senior Seminar**

This capstone course summarizes the student's educational experience in Equine Studies at Midway University and prepares her for a leadership role in the equine industry. Prerequisite: senior status.

**Grade Basis:** L
**Credit hours:** 1.0
**Lecture hours:** 1.0

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**EQS 602 - Equine Entrepreneurship**

This course provides an understanding of the scope of the equine industry and its economic value to society. The course introduces the management skills necessary for a successful venture development in the equine industry. Students will develop a business plan for a start-up equine venture.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**EQS 612 - Legal Issues and Risk Management in the Equine Industry**

Students will learn to identify issues/situations in supervision and management, risks and liability, discrimination, and contracts.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**EQS 613 - Environmental Farm Management**

In this class students will develop a working knowledge of agricultural environmental management. Topics include but are not limited to ventilation and manure management, rural development policies, and local land use planning. Soil and water management for pasture and crop production and environmental protection will also be included, as will development of nutrient management plans. These topics will be tied to the NAAEE standards and guidelines as well as to KCAS. (Recommended especially for elementary school teachers and for middle school teachers who teach in schools in which science is not offered every year.) Farm Management Plan: In the final assignment for the course connections with the KCAS will be made. Candidates will describe how each topic in the plan might be addressed at the following levels: elementary, middle school and secondary.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**EQS-622 - Ethics and the Equine Industry**

This course provides an introduction to problems of moral philosophy in the equine industry. Ethical philosophies will be examined. Historically important and current theoretical approaches to ethics that provide systematic procedures for answering questions about right and wrong will be examined. The course will consider a variety of important issues such as immigration, animal rights, and euthanasia.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**EQS 632 - Marketing and Promotion**

This course will focus on analyzing and producing a variety marketing and communication strategies for different types of equine businesses.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**EQS 642 - Equine Studies Capstone**

Students will develop a literature review and proposal of a question to be explored, select and employ appropriate methodologies to research, analyze, develop conclusions and recommendations, and submit a final capstone paper and present the results orally.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**FIN 310 - Corporate Finance**

This course provides an introduction to the theory, the methods, and the concerns of corporate finance. the main topics include: 1) the time value of money and capital budgeting techniques; 2) uncertainty and the trade-off between risk and return; 3) security market efficiency; 4) optimal capital structure; and 5) dividend policy decisions.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**FIN 320 - Investments**

This course studies the concepts and evidence relevant to the management of investment portfolios. Topics include diversification, asset allocation, portfolio optimization, factor models, the relation between risk and return, trading, passive (e.g., index-fund) and active (e.g., hedge-fund, long-short) strategies, mutual funds, performance evaluation, long-horizon investing and simulation.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BUS 321 - Managerial Finance

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**FIN 410 - Corporate Valuation**

The focus of this course is on the valuation of companies. The course covers current conceptual and theoretical valuation frameworks and translates those frameworks into practical approaches for valuing companies. The relevant accounting topics and the appropriate finance theory are integrated to show how to implement the valuation frameworks discussed on a step-by-step basis. The course teaches how to develop the required information for valuing companies from financial statements and other information sources in a real-world setting. Topics covered in depth include discounted cash flow techniques, and price multiples. In addition, the course covers other valuation techniques such as leveraged buyout analysis.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BUS 321 - Managerial Finance

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**FIN 420 - Financial Modeling**

This course is designed to help organizations make informed business and financial decisions. These foundational skills will introduce you to spreadsheet models, modeling techniques, and common applications for investment analysis, company valuation, forecasting, and more. They will provide you with the opportunity to learn core quantitative skills required to analyze data. This course will equip students with the ability to use your own data to describe realities, build scenarios, and predict performance.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BUS 321 - Managerial Finance

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**GEO 110 - Physical Geography**

This course is a comprehensive study of various areas of the world. Each region is studied as a topographic land base and as an economic society influenced by geographic features.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**GOVT 201 - American Government**

This course is an introduction to principles, functions and basic political roles and processes of the American system of government.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**HCA 300 - Health Care Economics**

Applying principles of micro and macroeconomics, the student will address issues of health insurance, hospital services, physician services, and other health care industry concerns. This course is a comprehensive study which examines multiple economic factors that are essential for the successful health care professional to understand. The ability to anticipate economic conditions will allow health care professionals to use critical thinking and to be proactive in their economic approach as in the health care arena. Pre-requisites: ECO 217 and ECO 220.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ECO 217 - Principles of Microeconomics
- ECO 220 - Principles of Macroeconomics

**Restrictions:**

- All Health Care Administration 300 level courses must be taken prior to 400 level courses.

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**HCA 301 - Ethics in Health Care**

Students in this course study moral and ethical issues that concern health care professionals, including health care values, obligations, rights, and needs. Ethics in Health Care is a comprehensive course which examines a variety of complex ethical issues common in today's health care environment. The study of ethical issues as related to health care discussed in this course will prepare the students to meet the ethical challenges they will face in the health care profession. This course is designed to challenge the student's critical thinking skills as introduced in a variety of complex ethical issues associated with the delivery of health care. This course is presented in a way to teach each student to examine his or her own values.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**HCA 305 - Management Information Systems**

This course contains topics which covers a range from HMIS history; chief executive officer/chief information officer roles and responsibilities; health IT and Internet use; HMIS enterprise software, virtual communities and networks; patient-centric management systems; HMIS interoperability; HMIS strategic planning; HMIS developments; HMIS project management; HMIS standards governance and international perspectives; to HMIS innovations. This course offers realistic and real-world scenarios which set the stage for topic discussions in the field of health care management information systems (HMIS) and health informatics (HI). Short cases illustrate concepts, and related mini-case questions promote critical thinking and case discussions.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**HCA 307 - Health Insurance Claims Management**

This course presents various categories of insurance, including universal health insurance, private insurance, Medicare, and Medicaid. It covers various disease classification systems needed to understand and process insurance claims. It also includes electronic billing procedures. Students in this course will investigate, explore, and analyze major health insurance programs and claims issues that concern health care professionals. This course will aid the student in refining his/her critical thinking skills in awareness of current events pertaining to ever-changing health insurance claims.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**HCA 312 - Health and Medical Care Delivery Systems**

The course provides a review of the wellness-illness spectrum and the societal response in terms of health care services. Topics to be covered include the nature and functions of health services agencies and professionals and the impact of social, political, economic, regulatory, and technological forces. The course includes a discussion of major health problems and related health care programs. Student evaluations include written assignments. The course is designed to provide a basic overview of health care delivery systems including foundations, resources, processes, outcomes, and outlooks.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**HCA 391 - Health Careers and Practicum I**

In this 8-week course, students will begin to explore a health care organization of interest and identify a research topic within the chosen organization while completing 60 practicum hours. The students will explore challenges, opportunities, and careers available in the health care profession.

**Grade Basis:** L

**Credit hours:** 3.0
**Lecture hours:** 3.0

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**HCA 392 - Health Careers and Practicum II**

This 8-week course consists of 60 practicum hours. The 60 hours of practicum is a continuation of practicum from HCA 391. Student will shadow a health care administrator or manager of the organization. Students will be required to document their time in the facility and note areas needing improvement. Students begin to narrow their topic for the capstone project. Prerequisite: HCA 391.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- HCA 391 - Health Careers and Practicum I

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**HCA 400 - Legal Issues in Health Care**

Students in this course will study, examine, and analyze legal issues that concern health care professionals including tort law, criminal aspects, contracts, civil procedures, and trial procedures. In addition, students will study regulations including legal constraints, liability, negligence, patient rights, confidentiality, and responsibility for ensuring legal compliance. The course also considers professional requirements for staff, regulatory requirements, and patient issues. In addition, the course examines legal issues related to businesses as well as special issues related to health care.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**HCA 405 - Management and Planning in Health Care**

Students in this course will study, examine, and analyze management planning that concerns health care professionals, including the underlying basis for health services utilization, public health services, hospitals, and health systems. This course is a study of basic systems and strategies for managing health care delivery organizations and planning for their effectiveness and efficiency. It covers the recruiting of staff and the supervising of job performance. The course also addresses techniques for strategic and operational planning and provides an overview of business practices in health care organizations.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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### HCA 412 - Health Care Policy

This course introduces students to the U.S. health care system, covering the philosophical, economic, and political dimensions of health care debates. Topics include health insurance coverage, the role of drug companies, physician arrangements, training of health care professionals, legislative practices at the national and state levels, cost containment, and access to care. The course explores the historical significance of public policy that is the basis for today's complicated health care policy. The students will study the distinctive way in which health care policy is shaped by political culture, class relationships, and economic resources.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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### HCA 418 - Financial Management of Health Care Organizations

This course is intended to be the primary introductory course in health care financial management at both the undergraduate and graduate levels. The purpose of the course is to introduce nonfinancial students and managers to the fundamental concepts and skills necessary to succeed as managers in an increasingly competitive employment environment. This course includes an overview of financial management, the organization of financial management including updated information on job opportunities and salaries, and the tax status of health care organizations, including the most recent court cases differentiating for-profit and not-for-profit health care organizations.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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### HCA 492 - HCA Capstone

This 16-week senior level course focuses on the structure of Health Care Administration. This course consists of 90 practicum hours. Students will use the research completed during HCA 391 and HCA 392 as well as the theories and substantive knowledge gained throughout the program as the basis for their capstone project. Students will complete a paper with a clear question or problem and a proposed method of answering the question or solving the problem. Students will present the capstone project either in a poster board submission or an oral presentation at the Midway Research Symposium. This course may not be taken until all other courses within the program have been completed.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- HCA 391 - Health Careers and Practicum I
- HCA 392 - Health Careers and Practicum II

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**HCA 602 - Health Care Financial Management**

This course will focus on case studies that present an overview of financial theory and financial management principles and concepts in a health care setting. Topics include discounted cash flow analysis, long-term debt financing, equity financing, capital budgeting, analysis, and forecasting.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**HCA 612 - Health Care Politics and Policy**

This course presents the basic institutions and political strategies of contemporary health policymaking, focusing on the politics of coverage expansion at the state and federal levels and other current political developments. Major topics will include analyzing the structure and lessons of various federal coverage programs and student-led research into the politics of state health coverage schemes.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**HCA 622 - Advanced Health Care Management**

Students will study operating and administrative issues in health systems with emphasis given to hospital operation, organization, and administration. The future role of health care is examined in the context of integrated delivery models and systems.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**HCA 632 - Ethics and Management Dilemmas in Health Care**

This course examines the role of organizational ethics in health care. Analysis focuses on the integration of clinical, professional, and organizational ethics in health care to foster culturally competent patient-centered care. The study considers relevant standards in the field such as the Joint Commission’s accreditation standards for hospitals, theoretical issues, relevant principles, and practical topics.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**HCA 642 - Capstone in Health Care**

Students will develop a literature review and proposal of a question to be explored, select and employ appropriate methodologies to research, analyze, develop conclusions and recommendations, and submit a final capstone paper and present the results orally.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**HIS 101 - World Civilization I**

This course is designed to provide the student with a basic understanding of social and political structures, scientific and technological developments, and the artistic achievements of the ancient civilizations of Africa, Asia and Europe.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**HIS 102 - World Civilization II**

This course is designed to provide the student with a basic understanding of the world view, the social and political structures, the scientific and technological developments, and the artistic achievements of the Western world during the periods of Absolutism and Enlightenment, Revolution and Romanticism, and the twentieth century.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**HIS 140 - History of the United States to 1865**

This course is a general survey of the development of the American nation from the discovery of the new world to the end of the Civil War. The course encompasses the nation’s constitutional, political, economic, and social development.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**HIS 141 - History of the United States since 1865**

This course is a general survey of the development of the American nation since 1865. The course emphasizes Reconstruction, American influence in the world, and changing race relations and sex role relations in American society.

**Grade Basis:** L

**Credit hours:** 3.0
**Lecture hours:** 3.0

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**HRM 300 - Strategic HR Management**

The richest and still largest untapped source of competitive advantage is an organization’s human capital. This course examines the link between an organization’s strategy and the human resources needed to execute it. Topics such as change management, mergers, outsourcing and insourcing are evaluated considering their impact on human resources. Prerequisite: BUS 290.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BUS 290 - Introduction to Human Resource Management

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**HRM 302 - Training and Development**

Training is a key ingredient a key ingredient for success in today’s competitive world. Development of the workforce, from entry level through top management, is a responsibility of both the line manager and the human resource professional. This course provides essential knowledge of training theory and its practical applications. It also seeks to for students to understand the investment organizations make in the training and development of their workforce. Prerequisite: BUS 290.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BUS 290 - Introduction to Human Resource Management

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**HRM 303 - Employment Law**

This course reviews and analyzes how employment laws enacted by the Federal, State and local governments regulate the relationships between employers and employees. Students will gain an understanding of how to comply with employment law and possible remedy options when there is a violation of the law. Prerequisite: BUS 290.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BUS 290 - Introduction to Human Resource Management

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**HRM 401 - Recruiting and Performance Management**

This course examines the rationale, the process and typical patterns of assessment in personnel decisions. This includes recruitment, selection and performance management. Topics such as career development and coaching will also be address. Prerequisite: BUS 290.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BUS 290 - Introduction to Human Resource Management

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**HRM-405 - Compensation Management**

This course allows students to explore the art and science of compensation management and its role in promoting a company's competitive advantage. This course addresses the use of compensation to motivate and reward employee performance, including statutory and voluntary benefits. Prerequisite: BUS 290.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BUS 290 - Introduction to Human Resource Management

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**HRM 602 - Legal and Ethical Issues in Management**

This class addresses employment law and employment decisions from a managerial perspective. It will show students how to manage effectively and efficiently, with full comprehension of the legal ramifications of their decisions. Students learn to analyze employment law facts using concrete examples of thorny management-related legal dilemmas. This class will provide various methods that can be used to reach a resolution, so that students understand how to make their own business decisions based on legal considerations.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**HRM 612 - Talent Management**

This course will focus on the core processes of human resource planning, recruitment and selection. The course will provide students with a deeper understanding of the recruitment and selection process. Specific topics covered will include the development and administration of internal and external recruitment, HR planning, job analysis and selection systems. Throughout the course, the

necessity for fair, just and legally compliant selection processes will be emphasized. In addition, the course will focus on the ways in which strategic talent acquisition can help a firm gain a competitive advantage. The course should be of interest not only to those who plan a career in the field of human resource management, but also to those who plan careers in any field where the recruitment and selection of people is a part of their core job responsibilities.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**HRM 622 - Strategic Performance Management**

While organizations use a variety of resources to accomplish their objectives, the most important resource an organization should invest in is its employees. Without the work of employees, a competitive advantage can be neither achieved nor sustained. It is easy to conclude that focusing on the needs of employees is essential for employees to perform at their best and ensure the organization is successful. An employee-centric approach to doing business is instrumental for organizational success, and training and development is an important part of that approach. Because employees are fundamental to organizational success, they need to possess relevant knowledge, skills, and abilities (KSAs) to be able to compete in the 21st century job market. While the educational system can provide many of those KSAs for employees, the responsibility doesn't rest entirely in secondary and postsecondary education. Employers should ensure their employees have the KSAs needed to do their job today and into the future. As well, employees should take the initiative to ensure that they have the tools they need for the career they desire. Thus, a multi-pronged approach is required to guarantee that both the organization and its employees have what they need to develop and maintain their competitive advantage.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**HRM 632 - Strategic Reward Management**

This course focuses on the various components that make up a total employee compensation package. Base pay, merit pay, and variable pay programs are covered. Students examine benefits including government regulation, group welfare plans, pension plans, and flexible benefit plans. Students will also explore the impact of current trends. The course is designed to provide the student with an in-depth understanding and practical ability to implement and explain an advanced compensation and benefits to management and employees of various organizations. Additionally, the course focuses on the management of employees within the laws and regulations set forth by the federal, local and state governments.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**HRM 642 - Data Driven Decision-Making**

Hiring, developing, and retaining the right employees is crucial for success in modern organizations. People, data, and analytics is transforming how organizations recruit and develop talent. Hiring, training, and promotion practices increasingly relies on both economic principles and quantitative analysis. The purpose of this course is to put the student in the decision-maker role and present opportunities to practice making HR-related decisions while considering relevant HR concepts.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**120 - Health Science Internship**

Internship completed in first year of Health Science Program.

**Grade Basis:** P

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**220 - Health Science Internship**

Internship completed in second year of Health Science Program.

**Grade Basis:** P

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**320 - Health Science Internship**

Internship completed in third year of Health Science Program.

**Grade Basis:** P

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**420 - Health Science Internship**

Internship completed in fourth year of Health Science Program.

**Grade Basis:** P

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**IDS 101 - Introduction to Interdisciplinary Studies**

This introductory course provides a foundation in interdisciplinary concepts and techniques that are used to analyze complex problems using various disciplinary approaches to problem solving.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**IDS 310 - Experiential/Service Learning I**

Supervised internship/experimental learning program where students will integrate theory with duties at a public or private organization that are relevant to the student's academic/professional goal. Students will participate in conducting research informational interview with key organization within selected disciplines to create an internship opportunity for IDS 410.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**IDS 410 - Experiential/Service Learning II**

Supervised internship/experimental learning program where students will integrate theory with duties at a public or private organization that are relevant to the student's academic/professional goal. Students will participate in approved internship from IDS 310.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- IDS 310 - Experiential/Service Learning I

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**IDS 490 - IDS Capstone**

This course provides students the opportunity to demonstrate their knowledge and growth as they complete the IDS program. Students will ask a research question and investigate it through academic research and experiential learning, resulting in a final paper and presentation. Students can earn 3 or 6 credit hours.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**MCO 495 - Internship**

Internship courses allow practical application of classroom knowledge and intentional development of skills applicable to the student's professional growth. This experience focuses on the combination and integration of various concepts by applying them to the analysis and solution of problems viewed in the context of business studies: management, marketing, human resources, finance, etc. The internship experience requires 135 hours of relevant field work at the internships site in addition to scheduled class meetings, Students will be under the supervision of faculty and site supervisors. Students will gain practical hands-on experience, enhance skills learned in the classroom, and acquire contacts with professionals in the field. Students will be expected to complete reflections and demonstrate learning through a final project or presentation. Internship courses are graded pass/fail. Course is restricted to Junior or Senior status. May be repeated once.

**Grade Basis:** P
**Credit hours:** 3.0

**Restrictions:**

- Junior or Senior status

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**MCO 201 - Introduction to Marketing Communication**

Provides a broad introduction to marketing communications. Students learn the elements of a strategic marketing communications plan.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**MCO 210 - Writing for Marketing Communications**

In this course, students will develop a toolkit of effective and efficient writing techniques for a comprehensive marketing communication strategy. Prerequisites: ENG 102 and MCO 201.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ENG 102 - College Writing II
- MCO 201 - Introduction to Marketing Communication

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**MCO 220 - Advertising Principles**

This course provides students with an understanding of the fundamental concepts of modern advertising and marketing communications plans in the current business environment. Prerequisite: MCO 201.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MCO 201 - Introduction to Marketing Communication

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**MCO 230 - Graphic Design I**

This course introduces graphic design principles as the foundation of effective visual communication. Prerequisite: MCO 201.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MCO 201 - Introduction to Marketing Communication

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**MCO 301 - Introduction to Public Relations**

This course introduces the strategic communication process that builds mutually beneficial relationships between organizations and the public. Prerequisite: BUS 255 and MCO 201.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BUS 255 - Principles of Marketing
- MCO 201 - Introduction to Marketing Communication

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**MCO 315 - Consumer/Audience Analysis**

This course is an introduction to the world of consumer behavior. Interdisciplinary approach to explaining consumer behavior in the marketplace. Prerequisite: MCO 201 and MCO 220.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MCO 201 - Introduction to Marketing Communication
- MCO 220 - Advertising Principles

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**MCO 318 - Advertising Writing**

This course explores the principles and practices of writing advertising copy in all marketing communications media. Prerequisites: MCO 201, MCO 220 or consent of chair of the department.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MCO 201 - Introduction to Marketing Communication
- MCO 220 - Advertising Principles

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**MCO 320 - Global Brand Management**

This course provides an understanding of branding from a global perspective.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**MCO 325 - Digital Storytelling**

This course prepares students to analyze, create and design effective messages within the digital environment by utilizing engaging storytelling methods within a marketing communications strategy. Prerequisites: MCO 201, MCO 230, and MCO 330.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MCO 201 - Introduction to Marketing Communication
- MCO 230 - Graphic Design I
- MCO 330 - Graphic Design II

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**MCO 330 - Graphic Design II**

This course expands the skills and knowledge acquired in MCO 230, with a focus on practical assignments and applied problem solving for effective visual communication.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MCO 230 - Graphic Design I

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**MCO 350 - Political Writing**

This course prepares students to develop an effective message within the fields of politics, government and media. Students will analyze current national and international political situations, as well as trends in public opinion and become prepared for public reaction by developing effective responses via speeches, commentaries and editorials. Prerequisite: MCO 201.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MCO 201 - Introduction to Marketing Communication

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**MCO 405 - Internal Brand Communication**

This course explores the impact of understand and utilizing internal communication options to ensure a successful marketing communication message to an organization’s stakeholders. Prerequisites: BUS 255, MCO 201, MCO 210, and MCO 301.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BUS 255 - Principles of Marketing
- MCO 201 - Introduction to Marketing Communication
- MCO 210 - Writing for Marketing Communications
- MCO 301 - Introduction to Public Relations

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**MCO 410 - Applied Marketing Communications Writing**

This course provides an interdisciplinary approach for creating profitable relationships with customers and publics by strategically developing and managing communication. Emphasis on practical application and real-world experience. Prerequisite: MCO 210.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MCO 210 - Writing for Marketing Communications

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**MCO 430 - Digital Animation**

This course utilizes animation in the creation of interactive digital media art within a marketing communications strategy. Prerequisites: MCO 201, MCO 230, and MCO 330.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MCO 201 - Introduction to Marketing Communication
- MCO 230 - Graphic Design I
- MCO 330 - Graphic Design II

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**MCO 435 - Digital and Social Media**

This course covers the fundamentals of contemporary online and social media marketing channels. Includes audience building, content development, brand promotion, site traffic management, and customer engagement.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**MCO 440 - Applied Graphic Design**

This course focuses on relevant professional project-based assignments for local business owners. Students will provide innovative strategic solutions for sustainable results for local business owners. In addition, students will create an electronic portfolio highlighting works within an effective marketing communications plan. Prerequisites: MCO 201, MCO 230, and MCO 330.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MCO 201 - Introduction to Marketing Communication
- MCO 230 - Graphic Design I
- MCO 330 - Graphic Design II

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**MCO 450 - Media Sales and Analysis**

This course is an introduction to strategic media planning, the process used to place messages in media in order to reach particular audiences. Prerequisite: BUS 320, MCO 201, MCO 220, and MCO 315.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MCO 201 - Introduction to Marketing Communication
- MCO 220 - Advertising Principles
- MCO 315 - Consumer/Audience Analysis

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**MCO 490 - Capstone**

In this course, students will integrate and apply their learning from the Marketing Communication Program to research, plan, develop, and present a marketing communication campaign for a specific organization. Prerequisite: Senior standing.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Restrictions:**

- Prerequisite: Senior standing.

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**MTH 106 - Math for Meds**

Math for Meds is designed to provide practical application of math skills to real-life situations such as calculating medication dosages. Students will develop critical thinking skills to apply to medication Math for Meds is designed to provide practical application of math skills to real-life situations such as calculating medication dosages. Students will develop critical thinking skills to apply to medication

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 135 - Intermediate Algebra

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**MTH 120 - Basic Mathematics**

Basic Mathematics is designed to prepare the student for MTH 135, MTH 139, and MTH 145. Topics include: various classes of numbers (rational, real, etc.); the PEMDAS rule; solving linear equations; percentages; ratios; conversions between the metric and U.S. Customary systems; elementary geometry; simple and compound interest. Minimum grade of C required for successful completion. This course counts as an elective for graduation but may not be used to meet specific program requirements.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**MTH 135 - Intermediate Algebra**

Intermediate Algebra is designed to prepare the student for MTH 140 and MTH 143. Topics include: solving linear equations in one variable; equations of straight lines in the two-dimensional Cartesian plane; solving systems of linear equations in two or three variables; laws of exponents; factorization of polynomials; manipulating rational and radical expressions. Minimum grade of C required for successful completion. Prerequisite: MTH 120 with a minimum grade of C or a suitable test score. ACT Math score of 18 (minimum) or a SAT Math score of 430. The course counts as an elective for graduation but may not be used to meet specific program requirements.

**Grade Basis:** L
**Credit hours:** 3.0

**Lecture hours:** 3.0

**Prerequisites:**

- MTH 120 - Basic Mathematics

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**MTH 139 - Introduction to Statistics**

Introduction to using statistical techniques to model and solve real-world business problems. Topics include: Data-based techniques of graphical display, grouping of data, measures of central tendency and dispersion, probability of concepts and distributions, sampling statistical estimation, hypothesis testing, and time series analysis. Minimum grade of C required for successful completion. Prerequisites: MTH 120 with a minimum grade of C or a suitable test score. ACT Math score of 18 (minimum) or equivalent SAT Math score.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 120 - Basic Mathematics

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**MTH 140 - College Algebra**

This is a standard university Algebra course. Topics include: linear equations and inequalities; complex numbers; quadratic equations; equations of a straight line; finding the implicit domains of functions; the algebra and composition of functions; inverse functions; quadratic functions and their graphs; exponential and logarithmic functions; solving systems of linear equations in several variables. Minimum grade of C required for successful completion. Prerequisites: MTH 135 with a minimum grade of C or a suitable test score. ACT Math score of 22 (minimum) or equivalent SAT Math score.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 135 - Intermediate Algebra

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**MTH 143 - Trigonometry**

This is a one-credit course in the fundamentals of trigonometry intended to prepare the student for physics and calculus. Minimum grade of C required for successful completion. Prerequisite: MTH 135 or a suitable test score. ACT Math score of 22 (minimum) or equivalent SAT Math score.

**Grade Basis:** L
**Credit hours:** 1.0

**Lecture hours:** 1.0

**Prerequisites:**

- MTH 135 - Intermediate Algebra

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**MTH 145 - Finite Mathematics**

Finite Mathematics is a course in non-calculus mathematical techniques and their applications in problem- solving. Topics include: set theory and Venn diagrams, combinatorics, probability, linear modeling, matrices, linear programming, and the mathematics of finance. Prerequisites: MTH 120 with a minimum grade of C or a suitable test score. ACT Math score of 18 (minimum) or equivalent SAT Math score. The course counts as an elective for graduation but may not be used to meet specific program requirements.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 120 - Basic Mathematics

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**MTH 220 - Calculus I**

Calculus I is a standard introductory calculus course. Limits and continuity; differentiation; applications of derivatives in a variety of situations; definite and indefinite integration; applications of integrals in a variety of situations; derivatives and integrals of certain transcendental functions. Prerequisites: MTH 140 and MTH 143 with a minimum grade of C or a suitable test score. ACT Math score of 27 (minimum) or equivalent SAT Math score.

**Grade Basis:** L
**Credit hours:** 4.0
**Lecture hours:** 4.0

**Prerequisites:**

- MTH 140 - College Algebra
- MTH 143 - Trigonometry

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**MTH 222 - Calculus II**

Calculus II covers techniques and applications of integration and the calculus of transcendental functions. Prerequisite: MTH 220.

**Grade Basis:** L
**Credit hours:** 4.0
**Lecture hours:** 4.0

**Prerequisites:**

- MTH 220 - Calculus I

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**MTH 223 - Calculus III**

Calculus III covers topics in polar coordinates, vector calculus, partial differentiation and multiple integrals. Prerequisite: MTH 222.

**Grade Basis:** L
**Credit hours:** 4.0
**Lecture hours:** 4.0

**Prerequisites:**

- MTH 222 - Calculus II

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**MTH 230 - College Geometry**

College Geometry is a study of the concepts of geometry in two and three dimensions. Topics include geometric constructions, congruency and similarity, coordinate geometry, tessellations and an introduction to non-Euclidean geometries. The deductive methods and logic of geometric proofs are emphasized. Prerequisite: MTH 140 and MTH 143.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 140 - College Algebra
- MTH 143 - Trigonometry

---

**MTH 245 - Probability and Statistics**

This is a standard introductory course in probability and statistics. Topics include: working with random samples; organizing data into frequency distributions and histograms; computing various measures of central tendency and variation; elementary probability theory including compound events and conditional probability; working with random variables; the normal distribution; the sampling distribution of the mean; testing hypotheses using the sampling distribution of the mean. Prerequisite: MTH 140.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 140 - College Algebra

### MTH 301 - Differential Equations

An investigation into the solution of ordinary equations including, but not limited to, the following: equations of order one via separation of variables, homogeneous coefficients, integrating factors, and substitution; linear equations via matrix methods and differential operators; transform methods; and series solutions. Both analytic and numerical solutions will be considered. Application of methods to the fields of science and mathematics will be an important part of this course. Prerequisite: MTH 222.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 222 - Calculus II

### MTH 305 - Mathematical Reasoning and Proofs

Transition to advanced mathematics is designed to help students learn the principles of mathematical reasoning and the writing of proofs. It is designed for students planning to take advanced mathematics courses. Topics include active reading of mathematics, problem-solving, logical reasoning and communication of mathematics, direct and indirect proofs, and proof by induction. Corequisite or prerequisite: MTH 222.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 222 - Calculus II

### MTH 310 - Linear Algebra

This first course in abstract mathematics also covers topics which have powerful practical applications. Linear algebra is a study of linear equations and systems of linear equations. A variety of types of examples of equations and systems is considered for the development of concepts, theory and computation skills (solving systems of linear equations), matrices and vector spaces as abstract expressions of equations. Systems are studied in depth as they relate to linear equations. Prerequisite: MTH 220 with a minimum grade of C.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 220 - Calculus I

**MTH 315 - Mathematical Statistics I**

Mathematical Statistics is a calculus-based treatment of probability, random variables, discrete and continuous distributions, conditional probability, independence, moment generating functions, limit theorems, and estimation. Prerequisite: MTH 223.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 223 - Calculus III

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**MTH 316 - Mathematical Statistics II**

Transformations, order statistics, point estimation, sufficient statistics, Rao-Blackwell Theorem, delta method, confidence intervals, likelihood ratio tests, applications. Prerequisite: MTH 315.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 315 - Mathematical Statistics I

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**MTH 320 - Discrete Mathematics**

This course studies the mathematical elements of computer science including propositional logic, predicate logic, sets, functions and relations, combinatorics, mathematical induction, recursion, relations, algorithms, matrices, graphs, trees, Boolean logic, and algebraic structure, with applications. As a beginning course in abstract thinking, this course will lay a basic foundation for mathematical proofs. During the course of the semester, students will learn to recognize and express mathematical ideas graphically, numerically, symbolically, and in writing. Prerequisite: MTH 220 with a minimum grade of C.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 220 - Calculus I

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**MTH 401 - Abstract Algebra I**

This course offers a study algebraic structures, beginning with groups. Group theory topics include permutation groups, cyclic groups, subgroups, normal subgroups, co-sets, quotient groups, group

homomorphisms, Cayley's and Sylow's Theorems. The course includes an introduction to the algebraic structure of rings, including the topics of subrings, ideals, ring homomorphisms, and polynomial rings. This course emphasizes proof and connecting the abstract back to the concrete. Prerequisite: MTH 305 with a minimum grade of C.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 305 - Mathematical Reasoning and Proofs

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**MTH 402 - Abstract Algebra II**

This course is a continuation of MTH 401 focusing on internal domains and fields. Topics include integral domains, ordered integral domains, vector spaces, quotient fields, finite fields, real and complex numbers, field extensions, constructability, and roots of polynomials. Prerequisite: MTH 401.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 401 - Abstract Algebra I

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**MTH 405 - Real Analysis I**

This course introduces the student to a rigorous development of the real number system and theory of calculus. Topics include the real number system, sequences and series, limits and continuity, the derivative, properties of continuous functions and some theorems of calculus. Prerequisites: MTH 223 and MTH 305 with a minimum grade of C.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 223 - Calculus III
- MTH 305 - Mathematical Reasoning and Proofs

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**MTH 406 - Real Analysis II**

This course is a continuation of MTH 405. Topics include infinite series, sequences and series of functions, uniform convergence, and the theory of integration. Prerequisites: MTH 405.

**Grade Basis:** L

**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 405 - Real Analysis I

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**MTH 408 - Number Theory**

Classical number theory which includes divisibility, prime numbers, congruencies, primitive roots, Diophantine equations, theorems of Fermat, and quadratic reciprocity, along with historical background for various problems are studied. Prerequisite: MTH 305 with a minimum grade of C.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 305 - Mathematical Reasoning and Proofs

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**MTH 498 - Senior Seminar**

A capstone experience for mathematics majors in which students develop an individual research project. Each student in conversation with the seminar leader and other faculty members will present the research project to the campus community. Prerequisite: senior standing.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Restrictions:**

- Senior standing

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**MTH-BIO 487 - Senior Research Data Collection**

Under the supervision of a scientist, students will conduct research to gather data for research papers to be completed in BIO 488. Prerequisite: Senior standing and satisfactory completion of BIO 405. Can be repeated for up to 4 credits.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BIO 405 - Introduction to Biological Research

**Restrictions:**

- Senior standing

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**MUS 111 - College Chorale**

A choral ensemble designed to provide interested students with an opportunity to perform a variety of choral literature, develop vocal and musical skills, and promote artistic growth. The course may be repeated for a maximum of 8 credit hours.

**Grade Basis:** L
**Credit hours:** 1.0
**Lecture hours:** 1.0

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**MUS 167 - Music Appreciation**

This course examines the place of music in civilization, in global awareness, and stresses listening in the structural and historical context of the art from the Middle Ages into the twentieth century. The development of the chief forms of musical expression are emphasized.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**MUS 215 - Survey of Pop Music-Dynasty of the Divas**

MUS 215 is a survey of popular music in America that will examine the growth, evolution, and documentation of many styles and stylistic influences inherent in American “popular” music. The course will span a time period from the turn of the 20th century to the present and will examine the music and lives of women in various musical settings within the realm of popular music in the United States as well as gender, global, and socio-economic aspects. Listening and analytical skills are developed through listening and analysis of the music itself. The class is designed for all students, with no musical background necessary, and issues raised are relevant to both men and women.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**MUS 311 - Midway Singers**

A vocal ensemble of three to six members performing mostly popular music styles is intended to provide advanced performance experience. Offered in conjunction with MUS 111.

**Grade Basis:** L
**Lecture hours:** 1.0

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**MUS 315 - Songwriting I**

MUS 315 is an initial study of popular music songs and song styles in America. The course will span analysis of various songs/styles to creation of song art forms. Analytical skills are developed through listening and analysis of the music itself. Writing a song is very high level of human artistic creativity. Certain skills can be taught, but will require basic musicianship at the least. The ability to read music, though, is not required. This course will also be available to those who wish to focus on lyric writing, as well as those who choose to develop more from the compositional aspect of songwriting.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**MWY 101 - Pathways and Perspectives**

This course equips students to make a successful academic and personal transition to Midway University. Through the exploration of Midway's core values, student's own values, and the values of others, the course helps students align their personal decisions with their future goals. This course aims to help students understand and adopt strategies for academic success; to engage in critical thinking, reading, writing and discussion; to develop an understanding of diverse viewpoints; to foster a sense of belonging as a member of the university community; to promote engagement in the curricular and co-curricular life of the university; and to help students continue to clarify their individual sense of purpose and direction.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

---

**NSG 101 - Introduction to Professional Nursing Concepts**

This course provides an overview of concepts that introduce the student to the BSN nursing program and baccalaureate generalist nursing practice. Students will become familiar the Essentials of Baccalaureate Education for Professional Nursing Practice (2008), National League for Nursing (NLN) Education Competencies Model (2012), and other nursing standards. The course includes an introduction of nurse theorists, evidence-based practice, client safety and quality of care, cultural and spiritual aspects, informatics, and other professional nursing concepts. In addition, the role of professional nursing in society and in the healthcare delivery system is discussed.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

---

**NSG 115 - Fundamentals of Nursing**

This course is designed to introduce the nursing process and its application to basic concepts and principles of nursing assessment and care. Emphasis is placed on comprehension and knowledge of

the nursing process, caring, communication and documentation, teaching/learning, and culture and spirituality. Six (6) hours of theory and eight (8) hours of clinical and required per week.

**Grade Basis:** L
**Credit hours:** 9.0
**Lecture hours:** 6.0

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**NSG 125 - Medical-Surgical Nursing**

This course is designed as an introductory-level adult medical-surgical course to develop students' application of the nursing process for adults experiencing altered health states related to all body systems. This eight-week course includes didactic, clinical, and nursing skills lab experiences. Prerequisite: Admission to the ADN Program and Grade of "C" or higher in all previous ADN nursing courses.

**Grade Basis:** L
**Credit hours:** 5.0
**Lecture hours:** 3.0

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**NSG 130 - Mental Health Nursing**

This course builds on concepts from NSG 115. In this course the nursing process is used as a tool to provide care to individuals with psychiatric disorders. Topics include therapeutic communication, psychobiology, psychopharmacology, anxiety disorders, thought disorders, substance abuse disorders, depressive, psychotic, dissociative, eating disorders, bereavement, victims or abuse and neglect and trauma. The disorders are presented in individuals across the lifespan including children and adolescents. Admission to the ADN Program and Grade of “C” or higher in all previous ADN nursing courses.

**Grade Basis:** L
**Credit hours:** 4.0
**Lecture hours:** 4.0

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**NSG 212 - Obstetric and Women's Health Nursing**

This course is designed to further develop students' theoretical knowledge and clinical application of the nursing process as it applies to women, from childbearing through post menopause. Emphasis is on the care of the childbearing family, newborn, potential high-risk OB conditions, and care of women both pre- and post-menopause. Additional foci include: Enhancement of students' knowledge, communication techniques, and clinical judgment. This course includes didactic, clinical and nursing skills laboratory experiences. Prerequisite: Admission to the ADN Program and Grade of "C" or higher in all previous ADN nursing courses.

**Grade Basis:** L
**Credit hours:** 4.0
**Lecture hours:** 4.0

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**NSG 215 - Pediatric Nursing**

This course is designed to further develop students' theoretical knowledge and clinical application of the nursing process as it applies to children and childrearing families in acute care and community settings. Emphasis is on the care of sick children from birth through adolescence, the care of childrearing families, and on wellness promotion. Additional foci include: Enhancement of students' knowledge, communication skills, and clinical judgement related to the care of children and childrearing families. This course includes didactic, clinical and nursing skills laboratory experiences. Prerequisite: Successful completion of all previous ADN nursing courses.

**Grade Basis:** L
**Credit hours:** 5.0
**Lecture hours:** 5.0

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**NSG 225 - Advanced Medical-Surgical Nursing and Clinicals**

NSG 225 is designed as an advanced-level adult medical-surgical course to further develop students' application and analysis of the nursing process as it relates to diverse groups of clients and families with co-morbid factors and higher acuity manifestations of illness and disease. This eleven-week course includes didactic, clinical, and nursing skills lab experiences to increase the students' ability to prioritize and timely manage the care of clients and families with complex health problems in collaboration with other members of the healthcare team. Six hours of theory are required per week. In addition, a total of 72 clinical hours. Prerequisite: Earn a "C" or better in all previous nursing courses.

**Grade Basis:** L
**Credit hours:** 6.0
**Lecture hours:** 6.0

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**NSG 230 - Synthesis and Integrative Practicum**

This course is a 5-week, capstone course that consists of didactic instruction, discussions, and 120 integrated practicum hours to facilitate students' transition from academia into nursing practice. Upon completion of NSG 230, students will be competent in prioritizing nursing care through applying the nursing process in managing, in collaboration with other members of the healthcare team. Classroom discussion focuses on current issues and trends encountered in professional nursing practice. Students will explore leadership styles and submit a Leadership Portfolio. Prerequisite: Earn a "C" of better in all previous nursing courses.

**Grade Basis:** L
**Credit hours:** 4.0

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**NSG 235 - Health Assessment**

This course is designed to enhance the nurse's physical and psychosocial assessment skills using standardized assessment instruments for diverse clients across the lifespan. Students will begin to identify pathologic changes and make clinical inferences using nursing diagnoses. Prerequisites:

Completion of NSG 101, BIO 190/191 and BIO 198/199 with a minimum grade of “C” and acceptance into the BSN program or consent of the Dean, School of Health Sciences.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BIO 190 - Anatomy and Physiology I
- BIO 191 - Anatomy and Physiology I Laboratory
- BIO 198 - Anatomy and Physiology II
- BIO 199 - Anatomy and Physiology II Laboratory
- NSG 101 - Introduction to Professional Nursing Concepts

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**NSG-240 - Pathopharmacology I**

This course relates normal body functioning to foundational pathophysiologic and pharmacologic concepts. Major health problems across the life- span and cultural variations are discussed with an emphasis on the vital role the professional nurse plays in the clinical application of drug therapy. Client safety and the role of information technology are applied. Systems discussed include: Fluids & electrolytes; acid/base disorders; integumentary system; head, ears, eyes, nose, & throat (HEENT) system; reproductive system; genitourinary system, neurologic system; musculoskeletal system; and implications related to prescription, over-the-counter, and herbal medications as well as drug interactions will be examined. Pre-requisites: BIO 190/191 and BIO 198/199 with a grade of C or better; and admission to the BSN Program or permission of the Dean, School of Health Sciences.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BIO 190 - Anatomy and Physiology I
- BIO 191 - Anatomy and Physiology I Laboratory
- BIO 198 - Anatomy and Physiology II
- BIO 199 - Anatomy and Physiology II Laboratory

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**NSG 245 - Adult Medical-Surgical Nursing I: Fundamentals**

This course is designed to assist students to apply the nursing process to foundational concepts and principles of nursing care. Emphasis is placed on knowledge and comprehension of basic human needs, nurse-client interaction, cultural competence, and measures essential for the physical and psychological comfort and safety of clients across the lifespan. The nursing care of clients and families experiencing effects of aging and death and dying, as well as alterations in spiritual health and self-concept, will be explored. Medical-surgical nursing care will be introduced for clients experiencing altered health states that relate to the integumentary, neurologic, and musculoskeletal systems; fluid, electrolyte, and acid/base balance; and chronic illnesses. Three (3) hours of theory,

eight (8) hours of clinical, and one (1) hour of skills lab are required per week. Co-requisites: NSG 235 Health Assessment and NSG 240 Pathopharmacology I.

**Grade Basis:** L
**Credit hours:** 6.0
**Lecture hours:** 3.0
**Lab hours:** 1.0

**Prerequisites:**

- NSG 235 - Health Assessment
- NSG-240 - Pathopharmacology I

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### NSG 250 - Pathopharmacology II

This course relates normal body functioning to foundational pathophysiologic and pharmacologic concepts. Major health problems across the life- span and cultural variations are discussed with an emphasis on the vital role the professional nurse plays in the clinical application of drug therapy. Client safety and the role of information technology are applied. Systems discussed include: cardiac system; respiratory system; gastrointestinal system;renal system; endocrine system, and implications related to prescription, over-the-counter, and herbal medications as well as drug interactions and issues of polypharmacy will be examined. Pre-requisites: BIO 190/191, BIO 198/199, NSG 240, and admission to the BSN Program or permission of the Dean, School of Health Sciences.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BIO 190 - Anatomy and Physiology I
- BIO 191 - Anatomy and Physiology I Laboratory
- BIO 198 - Anatomy and Physiology II
- BIO 199 - Anatomy and Physiology II Laboratory
- NSG-240 - Pathopharmacology I

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### NSG 255 - Principles of Teaching and Learning

This course focuses on teaching/learning theories and strategies used by professional nurses to meet individual, family and community education needs. The nursing process provides a basis for planning, implementing, and evaluating teaching. The effectiveness of the baccalaureate nurse's teaching on client readmissions, and quality client outcomes is emphasized. Students analyze content, reading levels, and quality of print, web and other materials and redesign resources as appropriate. In addition, students will examine the impact of aging and co-morbid conditions on learning ability as well as age appropriate teaching strategies. Pre-requisite: NSG 101 and admission to the BSN Program or permission of the Dean, School of Health Sciences.

**Grade Basis:** L
**Credit hours:** 3.0

**Lecture hours:** 3.0

**Prerequisites:**

- NSG 101 - Introduction to Professional Nursing Concepts

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**NSG 260 - Mental Health Nursing**

This course is designed to develop students' theoretical knowledge and clinical application of the nursing process as it applies to clients' mental health across the lifespan, such as therapeutic communication, family-centered care, crisis intervention, and psychiatric emergencies. Topics include psychobiology; psychopharmacology; anxiety, substance abuse, depressive, psychotic, dissociative, and eating disorders; and trauma. Three (3) hours of theory and nine (9) hours of clinical are required per week. Co-requisite: NSG 250 Pathopharmacology II. Pre-requisite: PSY/EDU 260 Human Growth and Development.

**Grade Basis:** L
**Credit hours:** 6.0
**Lecture hours:** 3.0

**Prerequisites:**

- PSY/EDU 260 - Human Growth and Development

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**NSG 310 - Introduction to Professional Nursing**

This course provides an overview of concepts that introduce the student to the BSN nursing program and a professional level of nursing practice. Students will become familiar with two nursing best practice documents: the Essentials of Baccalaureate Education for Professional Nursing Practice (2008) and Recommended Baccalaureate Competencies and Curricular Guidelines for the Nursing Care of Older Adults (2010). The course includes an overview of nurse theorists, nursing research, client safety, aging and cultural aspects, health policy, and informatics. In addition, the role of professional nursing in society and in the healthcare delivery system is discussed. A BSN leadership portfolio and development of a personal philosophy of nursing are initiated. Prerequisite: Admission to BSN Program or permission of Dean, Nursing and Health Sciences.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**NSG 320 - Ethical and Legal Aspects of Nursing**

This course will discuss ethical and legal concepts relevant to the registered nurse. The content will include application of the ANA Code of Ethics, QSEN, and IOM competencies as they relate to different areas of professional nursing practice based on a framework for the development of ethical and legal competence, from recognition of an ethical or legal situation to implementation of a justifiable action. Essential communication and conflict skills will also be addressed, as well as the

role of the ethics committee and ethics consultation. Course discussions will include common ethical and legal issues likely to be encountered, how to recognize and address moral distress, and ethical and legal practice as it relates to research, quality, and safety. Pre-requisite: Admission to the RN-BSN Program or permission of the Director of the program.

Upon completion, students will be able to:

- Apply the components of an ethical decision-making model to provide safe, ethical, and legal patient-centered nursing care to individuals, families, groups, and diverse populations across the lifespan.
- Describe important components of the communication process between the health care team and patients or their surrogates as a part of ethical and legal decision making.
- Explain how to promote ethical and legal nursing practices based on research evidence.
- Explore personal and professional attitudes and values as they relate to ethical and legal dilemmas.
- Employ ethically- and legally-sound decision making in the implementation of the nursing roles of member/advocate of the profession, communicator, educator, utilizer of research, life-long learner, collaborator, manager, and leader to meet current and emerging needs of individuals, families, groups, and populations in diverse, complex health care systems.
- Integrate professional responsibility and accountability into the ethical and legal aspects of patient-centered care.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**NSG 340 - Health Assessment and Clinical Inference**

This course is designed to enhance the nurse’s physical and psychosocial assessment skills using standardized assessment instruments for clients across the lifespan. The functional, cognitive, psychological, and social changes unique to older adults are highlighted. Students will begin to focus on the probability of pathological change and conditions of varying complexity. Clinical inferences are recorded using nursing diagnoses. Students are expected to participate as examiners and examinees and to independently obtain individuals for final assessment check offs. Prerequisites: Completion of BIO 190/191 and BIO 198/199 with a minimum grade of “C” and acceptance into the BSN program or consent of the Dean, School of Health Sciences.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- BIO 190 - Anatomy and Physiology I
- BIO 191 - Anatomy and Physiology I Laboratory
- BIO 198 - Anatomy and Physiology II
- BIO 199 - Anatomy and Physiology II Laboratory

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**NSG 345 - Adult Medical-Surgical Nursing II**

This course builds on concepts from NSG 245 and is designed to further develop students' theoretical knowledge and clinical application of the nursing process. Medical-surgical nursing care will be explored for clients experiencing altered health states that relate to the neuropsychological, cardiac, respiratory, gastrointestinal, endocrine, metabolic, renal, genitourinary, and reproductive systems. Three (3) hours of theory, eight (8) hours of clinical, and one (1) hour of skills lab are required per week. Pre-requisites: NSG 240 Pathopharmacology I, NSG 245 Adult Med-Surg I: Fundamentals, NSG 250 Pathopharmacology II.

**Grade Basis:** L
**Credit hours:** 6.0
**Lecture hours:** 3.0
**Lab hours:** 1.0

**Prerequisites:**

- NSG-240 - Pathopharmacology I
- NSG 245 - Adult Medical-Surgical Nursing I: Fundamentals
- NSG 250 - Pathopharmacology II

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**NSG 350 - Perinatal Nursing**

This course is designed to further develop students' theoretical knowledge and clinical application of the nursing process as it applies to child-bearing clients and their families. Foci include: concepts of conception, genetics, pregnancy, labor and delivery, postpartum, newborn, and complications specific to this population. Three (3) hours of theory, eight (8) hours of clinical, and one (1) hour of skills lab are required per week. Prerequisite: NSG 235 Health Assessment, NSG 250 Pathopharmacology II, NSG 255 Principles of Teaching and Learning.

**Grade Basis:** L
**Credit hours:** 6.0
**Lecture hours:** 3.0
**Lab hours:** 1.0

**Prerequisites:**

- NSG 235 - Health Assessment
- NSG 250 - Pathopharmacology II
- NSG 255 - Principles of Teaching and Learning

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**NSG 355 - Population Health Nursing**

This course focuses on population health issues in the local and wider global communities. Discussion is framed around nursing care of aggregates of the general population. Principles of epidemiology, community characteristics, and available health services will be examined. Research findings will be utilized to design health promotion and illness prevention strategies in the delivery of care. The effectiveness of community resources in caring for clients and their families across the

lifespan will be analyzed to maximize function and maintain independence. Three (3) hours of theory and three (3) hours of clinical are required per week. Pre-requisites: BIO 225 and 226 Microbiology and Lab, NSG 235 Health Assessment, NSG 255 Principles of Teaching and Learning.

**Grade Basis:** L
**Credit hours:** 4.0
**Lecture hours:** 3.0

**Prerequisites:**

- BIO 225 - Microbiology
- BIO 226 - Microbiology Laboratory
- NSG 235 - Health Assessment
- NSG 255 - Principles of Teaching and Learning

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**NSG 360 - Pharmacology**

This course equips the student with an in-depth study of major categories of drugs. The focus is on pharmacodynamic and pharmacokinetic properties with an emphasis on the vital role the professional nurse plays in the clinical application of drug therapy across the lifespan. Pharmacokinetics of aging, issues of polypharmacy, and implications related to prescription, over- the-counter, and herbal medications as well as drug interactions will be examined. Additional content includes unique individual and cultural responses and client education needs. Client safety and the role of information technology are highlighted. Emphasis is placed on the importance of communication between nurses and members of the interprofessional team as clients transition between healthcare facilities and home. Pre-requisite: Admission to the RN-BSN Program or permission of the Dean, School of Health Sciences.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**NSG 365 - Pediatric Nursing**

This course is designed to further develop students' theoretical knowledge and clinical application of the nursing process as it applies to safe, evidence-based care of pediatric clients and their families. Foci include: concepts of growth and development, weight-based medication administration, pediatric abuse and trauma, as well as health promotion, disease prevention, and disease processes specific to the pediatric population. Three (3) hours of theory, eight (8) hours of clinical, and one (1) hour of skills lab are required per week. Prerequisite: NSG 235 Health Assessment, NSG 250 Pathopharmacology II, NSG 255 Principles of Teaching and Learning, NSG 345 Adult Medical-Surgical Nursing II.

**Grade Basis:** L
**Credit hours:** 6.0
**Lecture hours:** 3.0
**Lab hours:** 1.0

**Prerequisites:**

- NSG 235 - Health Assessment
- NSG 250 - Pathopharmacology II
- NSG 255 - Principles of Teaching and Learning
- NSG 345 - Adult Medical-Surgical Nursing II

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**NSG 370 - Adaptations for Mental Health**

In this course the student begins to synthesize concepts from previous coursework with theories of adaptation. Gerontological nursing competencies, evidence-based practice and client safety are underscored. Situational and maturational crises, stress, ethical considerations, and coping in relation to mental health are integral concepts for dialogue. Discussion focuses on high-risk diverse populations of individuals, families, and communities and their adaptive responses to critical and long term complex problems. Assignments include a presentation, book/movie analysis, and case study. Students will explore group dynamics by attending various types of support groups and will reflect on their experiences with journal writing.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**NSG 390 - Teaching and Learning**

This course focuses on teaching/learning theories and strategies used by professional nurses to meet individual, family and community education needs. The nursing process provides a basis for planning, implementing, and evaluating teaching. The effectiveness of the baccalaureate nurse's teaching on client readmissions, quality client outcomes, and health care costs is emphasized. Students analyze content, reading levels, and quality of print, web and other materials and redesign resources as appropriate. In addition, students will examine the impact of aging and co-morbid conditions on learning ability as well as age appropriate teaching strategies. A health promotion project allows students to practice and demonstrate teaching skills and techniques. Pre-requisite: Admission to the RN-BSN Program or permission of the Dean, School of Health Sciences.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**NSG 410 - Community Health Nursing**

This senior level course focuses on public health issues in the local and wider global communities. Discussion is framed around nursing care of aggregates of the general population. Principles of epidemiology, community characteristics, and available health services are utilized in conducting an extensive community assessment. Students will use research findings to design health promotion and illness prevention strategies in the delivery of care to the community. Students will analyze the effectiveness of community resources in caring for clients and their families across the lifespan to maximize function and maintain independence.

**Grade Basis:** L

**Credit hours:** 3.0
**Lecture hours:** 3.0

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### NSG 411 - Community Health Nursing Practicum

This course is the practicum component to NSG 410 Community Health Nursing and consists of 45 precepted hours with an experienced nurse in a community health setting. Practicum experiences occur in a variety of settings and focus on care of the family and vulnerable aggregates. Students will analyze the effectiveness of community resources for families and populations across the lifespan, maximizing health promotion and disease prevention. Co-requisite: NSG 410.

**Grade Basis:** L
**Credit hours:** 1.0

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### NSG 430 - Introduction to Evidence Based Research

NSG 430 emphasizes the professional nurse's role in participating in, conducting, and integrating evidence into practice. This course introduces students to the use of evidence for advancement of best practices and prepares them to read and critically appraise research findings. Students will use the research process and outcome measures to apply quality and safety concepts in identified clinical problems. Assignments include critical analysis of research evidence and a systematic literature review as the initial components of the Capstone Project. Prerequisites: Completion of MTH 245 with minimum grade of "C" or higher and admission to BSN Program or permission of Dean, Nursing and Health Sciences. This course must be completed immediately prior to the last semester of the program.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 245 - Probability and Statistics

**Restrictions:**

- This course must be completed immediately prior to the last semester of the program.

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### NSG 435 - Evidence-Based Nursing Research

This course emphasizes the professional nurse's role in participating in, conducting, and integrating evidence into practice. This course introduces students to the use of evidence for advancement of best practices and prepares them to read and critically appraise research findings. Students will use the research process and outcome measures to apply quality and safety concepts in identified clinical problems. Applications include critical analysis of research evidence and a systematic literature review as the initial components of the Capstone Project. Prerequisites: MTH 245. This course must be completed immediately prior to the last semester of the program.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 245 - Probability and Statistics

**Restrictions:**

- This course must be completed immediately prior to the last semester of the program.

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**NSG 440 - Trends and Issues**

This course is designed to examine current issues and emerging trends relevant to professional nursing. Historical perspectives as well as futuristic considerations provide the framework of study. Students will analyze the impact of an aging society on the health care system and various geriatric care models. Emphasis is placed on the evolving roles of professional nurses in the healthcare system as they relate to legal, ethical, economic, political and social issues, healthcare policy, finance, and regulatory environments. Students will explore information management and the use of health-care technology.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**NSG 445 - Adult Medical-Surgical Nursing III: High Acuity Nursing**

This course addresses care of the complex, high-acuity adult medical-surgical clients. It is designed to further develop students' application and analysis of the nursing process as it relates to diverse groups of clients and families with co-morbid factors and higher acuity manifestations of disease. Didactic, clinical, and nursing skills lab experiences are employed to increase the students' prioritization, time management skills, and interprofessional collaboration. Three (3) hours of theory, eight (8) hours of clinical, and one (1) hour of skills lab are required per week. Pre-requisites: NSG 345 Adult Medical-Surgical Nursing II.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**NSG 460 - Nursing Leadership and Management**

This senior level course focuses on the leadership roles of the professional nurse. Emphasis is placed on leadership concepts, skills and decision making in the provision of high quality nursing care and healthcare team coordination. Various leadership models and change theories will be studied. The senior capstone project, which is completed in this course, serves as a culmination of the student's baccalaureate education and illustrates the values, knowledge, skills and attitudes

of the professional nursing role. This project involves a review of the literature (completed in prior courses), development/implementation of project, a formal paper, and a presentation of the project to the college and the professional community.

**Grade Basis:** L
**Credit hours:** 4.0
**Lecture hours:** 4.0

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**NSG 461 - Nursing Leadership and Management Practicum**

This course is the practicum component to NSG 460 Nursing Leadership and Management and includes 45 precepted hours with an executive nurse leader. The practicum experience is designed to serve as the framework for the senior capstone project and to provide opportunities to develop and practice leadership skills in a variety of health care settings. Co-requisite: NSG 460.

**Grade Basis:** L
**Credit hours:** 1.0

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**NSG 470 - Nursing Leadership**

This course focuses on evidence-based professional nursing leadership by the baccalaureate nurse in a constantly evolving healthcare system. Current issues and emerging trends related to legal, ethical, economic, political and social concerns; an aging society; information management and technology; healthcare policy; finance; and regulatory environments will be examined. Emphasis is placed on leadership concepts, skills and decision making in the provision of safe, high quality nursing care and healthcare team coordination. Various leadership models and change theories will be studied. Co-requisite: NSG 435 Evidence-Based Nursing Research; Pre- or Co-Requisites: BUS elective; PHIL 301 Ethics.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- NSG 435 - Evidence-Based Nursing Research
- PHIL 301 - Ethics

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**NSG 490 - Synthesis/Capstone**

This is a capstone course that consists of didactic instruction, discussion, and 135 integrated practicum hours to facilitate students' transition from academia into competent and confident nursing practice. Students will refine the knowledge and skills necessary to manage care as part of an interprofessional team. This preceptorship provides the student with experiences and nursing role models that prepare them for practice in complex, changing healthcare environments. In addition, it provides opportunities for building clinical reasoning, management, and evaluation skills; increase the student's self-confidence; and develop their professional identity. The senior capstone project, which is completed in this course, serves as a culmination of the student's baccalaureate education

and illustrates the values, knowledge, skills and attitudes of the professional nursing role. This project involves a review of the literature (completed in prior courses), development/implementation of project, a formal paper, and a presentation of the project to the college and the professional community. Pre-requisites: All previous BSN nursing courses. 5 credits: 2 hours of didactic per week; total of 135 practicum hours for course

**Grade Basis:** L
**Credit hours:** 5.0
**Lecture hours:** 2.0

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**NSG 510 - Professional Role Transition**

Built on a foundation of nursing and leadership theory and research, this course enhances the knowledge and skills through which nurses may influence the future of nursing, nursing administration and nursing education. Students will explore the leadership and communication dynamics necessary to lead collaborative interprofessional teams that promote healthy work environments for staff and quality outcomes for clients. In addition, students will examine The Essentials of Master's Education in Nursing and other professional nursing standards. Areas of skill development include scholarly writing, presentations, and computer-based skills.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**NSG 520 - Evidence-Based Nursing**

In this course, students explore the history of Evidence-Based Practice (EBP). Students will identify current best evidence and appraise the evidence for rigor and applicability to the practice setting as well as to sustain organizational change. EPB models that promote adoption of evidence into healthcare to improve quality and safety will be examined.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**NSG 530 - Quality Improvement and Safety**

The professional nurse's role in reducing preventable healthcare errors and improving client safety will be the focus of this course. The history of quality improvement and client safety including the Institute of Medicine reports and the Quality and Safety Education in Nursing program will be examined. Students will conduct a comprehensive systems assessment to identify current practices that impede quality care and construct approaches for systems change that create and maintain a culture of quality and safety.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**NSG 540 - Ethics and Health Policy**

Nursing educators and leaders in the 21st century must practice within an ethically and legally sound framework in which they utilize evidence-based policy to influence today's changing healthcare environment. In this course students will assess current policies that influence healthcare practices through ethical and legal lenses. Content will include quality and safety in health care, public policy and advocacy, nurses as change agents, and ethical and legal aspects of nursing practice.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**NSG 560 - Advanced Pathophysiology/Pharmacology**

This course explores scientific complexity and integration of pathophysiologic states and utilization of pharmacologic agents for disease management. Pathophysiological mechanisms of disease will be used to explain human responses to potential and actual health problems across the life span as well as corresponding pharmacologic and nonpharmacologic treatments. Also included will be cultural implications, costs of medications, Medicare and Medicaid reimbursement for medications, and issues of dosage and generic use.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**NSG 570 - Role of the Nurse Administrator**

In this course, students explore the professional roles and responsibilities of the nurse administrator including interprofessional collaboration in diverse settings. Students will be encouraged to explore innovative practices in leadership roles, such as decision making, creating a culture of safety and quality, organizational behaviors, budget development, strategic planning, and effecting change.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**NSG 580 - Advanced Health Assessment**

This course is designed to enhance the knowledge and skills of the nurse educator to teach and evaluate health assessment in academic and primary or acute care settings. Emphasis will be on advanced systems-focused assessment and interviewing techniques including considerations for cultural variations.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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### NSG 590 - Nursing Leadership of Healthcare Delivery Systems

The focus of this course is organizational and systems leadership. Students will examine leadership skills needed to be an effective member and transformational leader of interprofessional teams that manage and coordinate care within today's complex healthcare systems. Concepts important in organizational dynamics including systems theory, organizational and management theory, and chaos and complexity theories will be explored.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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### NSG 610 - Informatics and Healthcare Technology

This course examines the current standards and uses of informatics in client care delivery and healthcare systems. Electronic healthcare systems will be critiques regarding current architecture and ethical standards, provider usability and support, and role in client safety and quality improvement. Students will develop the ability to integrate nursing science, computer science and information science to improve population health. Emerging technologies and innovations will be examined for client and provider applications in improving health outcomes.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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### NSG 620 - Translational Research

An emphasis will be placed on the critical examination of current research in the identification and dissemination of best practice for use in professional nursing roles. Content includes quantitative and qualitative research processes, critical research methods, analysis, and ethical aspects of scholarly inquiry. Data analysis techniques will be utilized to translate research into practice. Prerequisite: Statistics course.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Restrictions:**

- Prerequisite: Statistics course.

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### NSG 625 - Curriculum Development and Implementation

This course analyzes the professional role of the nurse educator including curriculum development in both academic and clinical settings. A variety of teaching strategies for diverse learning styles will be examined. Specific change theories will be examined in relation to development and implementation of curricula. Content will include continued competencies, educator credentialing, and the importance of lifelong learning.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**NSG 627 - Financial Aspects of Health Care**

This course will explore financial management issues important for today's nurse administrators functioning within a rapidly changing healthcare delivery system. The financial impact of administrative decisions across healthcare organizations will be examined. Topics in this course will include current trends and future directions in cost/benefit analysis, budgeting, planning and control management of the organization's financial resources, case management, population health management and outcomes, as well as use of financial management tools. In addition, data that influences third-party reimbursement, such as client outcomes and client satisfaction, and their impact on healthcare financing will be investigated.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**NSG 635 - Outcome Measurement and Evaluation in Education**

This course examines a variety of methodologies the nurse educator utilizes to identify, measure and analyze outcomes of all domains of learning. Students will examine formative and summative evaluation processes in the classroom and clinical settings.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**NSG 650 - Nursing Education Practicum**

This course provides practical experiences in application, demonstration, and synthesis of educational theory and competencies. Students will explore innovative teaching methodologies and educational programs for academic or clinical settings. In addition, students will work closely with an experienced nurse educator in either an academic or clinical setting to meet the students' individual and course objectives. (135 practicum hours equals 3 credit hours).

**Grade Basis:** L
**Credit hours:** 3.0

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**NSG 652 - Nursing Administrator Practicum**

This course provides practical experiences in application, demonstration, and synthesis of leadership and administrative theories and competencies. Students will incorporate change processes demonstrating transformational leadership skills. In addition, students will work theory and transformational leadership strategies in implementation of a practice change. In addition, students

will work closely with an experienced leader/administrator in a healthcare delivery system to meet the students' individual and course objectives (135 practicum hours equals 3 credit hours).

**Grade Basis:** L
**Credit hours:** 3.0

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**NSG 660 - Nursing Education Scholarly Project**

The nursing education scholarly project addresses an in-depth exploration of a nursing- focused question or problem related to a nursing education issue. Students work individually to develop and implement an innovative teaching methodology or educational program in an academic or clinical setting demonstrating transformational leadership skills. The project will be individualized by the student and approved by faculty. The proposal will be written in a scholarly format that includes statistical analysis of outcomes data.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**NSG 662 - Nursing Administrator Scholarly Project**

The nursing administration scholarly project addresses an in-depth exploration of a nursing-focused question or problem related to a healthcare delivery system issue. Students work individually to lead a change process demonstrating transformational leadership skills. The project will be individualized by the student and approved by faculty. The proposal will be written in a scholarly format that includes statistical analysis of outcomes data.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**NSG 670 - Nursing Education Thesis**

The nursing education thesis is a research investigation of phenomena of interest to academic or clinical nursing education. Students will work individually with a faculty committee to complete a research study that generates new knowledge in the field of nursing education.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**NSG 672 - Nursing Administrator Thesis**

The nursing administration thesis is a research investigation of phenomena of interest to nursing leadership of complex healthcare systems. Students will work individually with a faculty committee to complete a research study that generates new knowledge in the field of nursing administration.

**Grade Basis:** L

**Credit hours:** 3.0
**Lecture hours:** 3.0

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**PHE 102 - Yoga**

Topics in this course will be presented in a seminar and applied learning format including movement. The course topics may include, but are not limited to, intensive applied experienced related to history, philosophy and science of yoga. Instruction into the health benefits of yoga and asanas (yoga postures) will involve dynamic balance of breath with vigorous static and dynamic postures. Attire allowing movement is required. P/F Grading Option Only.

**Grade Basis:** P
**Credit hours:** 1.0
**Lecture hours:** 1.0

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**PHE 104 - Tennis**

This is an introductory course teaching the fundamental skills of tennis. Basic strokes the forehand and the backhand, the flat serve, volley, lob and smash, history, rules, scoring, and court etiquette will all be discussed. Basic singles and doubles court play and game strategies will also be introduced. In addition, warm-up and cool down procedures will be covered. P/F Grading Option Only.

**Grade Basis:** P
**Credit hours:** 1.0
**Lecture hours:** 1.0

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**PHE 105 - Fitness Walking**

This course is designed for all levels of fitness. It emphasizes body mechanics and identifies concepts so the student may have a lifetime of walking enjoyment. It involves weekly goal setting incentives and focuses on a variety of walking experiences for fun and cardiovascular improvement. P/F Grading Option Only.

**Grade Basis:** P
**Credit hours:** 1.0
**Lecture hours:** 1.0

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**PHE 112 - Badminton**

The purpose of this class is to improve badminton skills for the beginning player. The course focuses on skill improvement, strategy and enhancing tournament competition in both singles and doubles. P/F Grading Option Only.

**Grade Basis:** P
**Credit hours:** 1.0
**Lecture hours:** 1.0

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**PHIL 301 - Ethics**

This course allows the student to examine and analyze ethical questions raised by social, political, technological and other developments in today's world. The course aids students in refining critical skills in value analysis and increase awareness of current events demanding ethical responses. Prerequisite: ENG 101.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- ENG 101 - College Writing I

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**PHL 101 - Introduction to Public Health (TBA)**

Course To Be Approved (TBA) This course will introduce students to basic principles of public health which include ways to understand and improve the health and well-being of both individuals and populations. Exploration of public health history, the public health system, the relationship between public health and health care systems, and the role of regulation and governmental issues in public health will be examined.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**PHL 130 - Foundations of Public Health Education**

This course is an introduction to public health education where students gain an understanding of the various ways in which people learn and develop a variety of skills to create effective learning teaching and strategies. Participants will also develop foundational skills in relation to instruction, as well as the use of philosophical and theoretical concepts to successfully implement educational content regarding health education and health promotion in public health.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**PHL 160 - U.S. Health Systems and Policy**

This course introduces and describes the U.S. healthcare delivery system, including Public health as a system. The topics covered include the overall planning, organization, management, evaluation, and quality of health systems, health policy events, and ethics and human rights. Specifically, this course examines public health and healthcare policy from a public health perspective. Federal, state, and local health policies will be reviewed.

**Grade Basis:** L

**Credit hours:** 3.0
**Lecture hours:** 3.0

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**PHL 260 - Research Methods**

This course introduces the student to the fundamentals of research study design, methods and data collection. An introduction to quantitative, qualitative, and mixed methods mixed method and approaches to research, as well as ethical issues in conducting research. Through texts, articles from the public health literature and course work, students will build skills for research evaluation.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**PHL 280 - Health Communication**

This course will explore the communication demands of public health. Current issues and problems in health care systems that relate to communication will be examined. Communication strategies to achieve health care goals of both the individual and populations will be examined. Investigation of health literacy, health communication theory, and the strengthening of both verbal and written skills will take place.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**PHL 331 - Public Health Administration**

This course centers itself with the administration, leadership, and management of public health care systems. Course content includes financing, process improvement, legal and ethical issues, development of policies and public health programs, and the delivery of health services by public health.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**PHL 341 - Social Determinants of Health**

This course provides an overview of social determinants of health, and focuses on significant social, cultural, and bio-behavioral factors of health. Exploration of health behavior, issues related to social and behavioral interventions, and policies aimed at improving community and population health will be addressed.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**PHL 410 - Epidemiology in Public Health**

This course introduces epidemiological background, basic principles and methods of public health epidemiology. It provides learners with a look at study design and the causes and patterns of health, illness, and death in different populations. Topics for discussion also include the biological, behavioral, sociocultural and environmental factors associated with the etiology and distribution of health and disease.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**PHL 415 - Public Health Preparedness and Disaster Management**

This course is designed to provide training and education on public health preparedness and response to large-scale emergencies and disasters. The course builds upon and reinforces basic public health skills and awareness. The learner will be introduced to the knowledge, skills, and behaviors required for competency in public health preparedness and emergency response.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**PHL 420 - Biostatistics**

This course introduces the basic principles and methods of data analysis in public health biostatistics. Emphasis is placed on public health concepts such as sampling, study design, descriptive statistics, probability, statistical distributions, estimation, hypothesis testing, chi-square tests, t-tests, analysis of variance, linear regression and correlation.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**PHL 430 - Behavior and Health**

This course explores the personal, social, and environmental factors that influence health-related behaviors as well as the role of individuals, groups, institutions, social structures, and policy in the promotion of health behaviors. The course focuses on behavior change theories and the application of these theories to health promotion.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**PHL 450 - Environment and Health**

This course covers a wide range of topics in environmental health sciences. Students will be provided with a general introduction to the core concepts of environmental health which include toxicology, epidemiology and risk assessment, and ways to examine the environmental health issues by applying core concepts. Environmental health issues in both developed and developing countries will be explored.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**PHL 460 - Community Health Promotion**

This course focuses on individual and societal health-related decisions about interventions to improve health and prevent disease. Topics covered include the effect of social, economic, ethical, environmental, cultural, and political factors on different communities and populations.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**PHL 480 - Global Health**

This introductory course provides a look at essential concepts of global health issues. Learners will apply these concepts to current global health challenges through course assignments, classroom engagement, and assigned reading. Throughout the course, students will gain critical and creative-thinking experience in applying tools and frameworks towards addressing diverse global health needs of diverse high-risk vulnerable populations at individual and societal levels.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**PHL 495 - Public Health Internship**

Students will enroll in the public health internship course in their final semester of the Public Health Program. This internship experience draws on students' experience in the core areas of public health, and their additional concentration coursework. Students will integrate the skills and knowledge gained throughout the program and learn critical elements of public health practice in an approved setting.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**PSC 105 - Exploring Dynamic Connections on Earth**

This course is a study of the connections among processes in different Earth systems. Students will explore the complex interactions among the atmosphere, oceans, freshwater systems, land surfaces and extraterrestrial influences as well as the physical forces driving these interactions.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**PSC 106 - Exploring Dynamic Connections on Earth Laboratory**

This course provides laboratory experiments to accompany PSC 105. Two hours per week are required. Concurrent enrollment in or previous completion of PSC 105 required.

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

**Prerequisites:**

- PSC 105 - Exploring Dynamic Connections on Earth

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**PSC 210 - Introductory Astronomy**

A study of astronomical phenomena, instrumentation, and methods used in astronomy, the physical laws that governs the universe, and basic mathematical models used to investigate the cosmos. This course focuses on planetary systems, structures, celestial motion, and stellar formations and life times.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 140 - College Algebra

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**PSC 240 - Physics I**

Course is the first of a two-semester sequence in general physics, including mechanics, heat, thermodynamics, sound and wave motion. Four hours lecture/recitation per week is required. Prerequisite: MTH 140 or MTH 220. ACT Math score of 27 (minimum) or equivalent SAT Math score.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 140 - College Algebra
- MTH 220 - Calculus I

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**PSC 241 - Physics Laboratory I**

Course provides laboratory experiments to accompany Physics I PSC 240. Two hours per week are required. Concurrent enrollment in or previous completion of PSC 240 required.

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

**Prerequisites:**

- PSC 240 - Physics I

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**PSC 245 - Physics II**

This course is a continuation of general physics, including electricity, magnetism, optics, relativity, quantum mechanics, the nucleus and elementary particles. Four hours lecture/recitation per week are required. Prerequisite: PSC 240.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- PSC 240 - Physics I

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**PSC 246 - Physics Laboratory II**

Lab experiments to accompany Physics II PSC 245. Two hours per week are required. Concurrent enrollment in or previous completion of PSC 245 required.

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

**Prerequisites:**

- PSC 245 - Physics II

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**PSC 250 - Physics for Engineers I**

Analytical and quantitative development of principles of mechanics. Emphasis on consequence of the same. Pre-requisite: MTH 220.

**Grade Basis:** L
**Credit hours:** 4.0
**Lecture hours:** 4.0

**Prerequisites:**

- MTH 220 - Calculus I

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**PSC 251 - Physics for Engineers I Lab**

Lab experiments to accompany PSC 250. Pre-requisites: concurrent PSC 250.

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

**Prerequisites:**

- PSC 250 - Physics for Engineers I

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**PSC 252 - Physics for Engineers II**

Continuation of PSC 250, including electricity, magnetism, optics, etc. Pre-requisites: PSC 250-251; concurrent MTH 223.

**Grade Basis:** L
**Credit hours:** 4.0
**Lecture hours:** 4.0

**Prerequisites:**

- MTH 223 - Calculus III
- PSC 250 - Physics for Engineers I
- PSC 251 - Physics for Engineers I Lab

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**PSC 253 - Physics for Engineers II Lab**

Lab experiments to accompany PSC 252. Pre-requisite: concurrent PSC 252.

**Grade Basis:** L
**Credit hours:** 1.0
**Lab hours:** 2.0

**Prerequisites:**

- PSC 252 - Physics for Engineers II

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**PSY 180 - General Psychology**

This course is designed as an introduction to major concepts and principles in the field of psychology and does not assume prior background in the discipline. This course will survey the range of major topics studied by psychologists, including neuroscience, lifespan development, social interaction, personality, cognition, learning and mental health issues. Emphasis is placed on practical illustrations and on integrating aspects of these sub-areas into a coherent understanding of human behavior.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**PSY 265 - Multicultural Psychology**

This course provides an evaluation of multicultural psychology and culturally appropriate practice with an emphasis on multicultural theories of personality and behavior beyond conventional Eurocentric perspectives. Topics within the course will include cultural sensitivity to human diversity, identity development, culturally appropriate assessment, as well as social justice issues, including discussions and personal growth activities focused on privilege and marginalization, oppression, racism, cultural bias, dominance in mainstream systems and systemic practices, advocacy, ethics, and intervention strategies.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**PSY 270 - ADC Counseling Techniques**

This course introduces the learner to the basic concepts and techniques of counseling in the field of substance abuse. The course also includes the study of the roles and responsibilities of an effective counselor as well as on the ethics involved in counseling. Focus will also be on behavioral-cognitive, family, interpersonal, social-cultural, and developmental theories of addiction, as well as their contributions in understanding a person’s motivation for behavior change, denial, resistance, and relapse risk. Students will be presented with opportunities to demonstrate, practice, and develop skills in active listening, building a collaborative relationship with clients, self-reflections, and the use of challenges in the counseling process. Prerequisite: PSY 180.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- PSY 180 - General Psychology

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**PSY 280 - Case Management**

This course will provide an overview of case management practices, including coordination of care, continuation of care, screening, intake, client orientation, referral, recordkeeping, and consultation. Students will be introduced to considerations to make in the course of case management that are relevant to recovery and potential relapse of diverse clients with substance abuse disorders. Prerequisite: PSY 180.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- PSY 180 - General Psychology

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**PSY 301 - Patterns of Human Sexuality**

This course is an introduction to sexual behavior and the individual and social forces that influence it. Study of how a heterogeneous society creates different values, perceptions, and practices concerning sexuality as well as the role of social institutions in generating rules governing sexuality. Topics include childhood, adolescence, and adult sexuality; coupling, sexual identity and orientation, sexual coercion, sexual variation, sex as business, and sexual variation behavior and the law. Prerequisite: PSY 180.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- PSY 180 - General Psychology

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**PSY 307 - Kinesic Interviewing**

Information from witnesses, victims, subjects and other parties connect physical evidence and other statements as part of the criminal investigation process. Witnesses, victims and subjects may not always tell the truth, or the whole truth in providing information. An understanding of what to look and listen for will help the investigator in assessing the information provided, which helps determine the line of questioning and possibly a shift of the investigation to another party. Prerequisite: PSY 180.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- PSY 180 - General Psychology

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**PSY 312 - Social Psychology**

This course involves increasing the understanding of the individual in group situations, including cooperative group interactions. Principles of scientific psychology are applied to the individual in a social situation. Topics include social attitudes, aggression, altruism, conformity, attribution, and understanding self and others. Prerequisites: PSY 180 and PSY/EDU 260.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- PSY 180 - General Psychology
- PSY/EDU 260 - Human Growth and Development

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**PSY 315 - Physiological Psychology**

As an examination of the biological bases for control of human behavior, this course includes considerations of the structure and functions of the nervous systems. A review of the biological bases of several areas of behavior including learning, emotions, eating and sexual behavior is included. Prerequisite: PSY 180.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- PSY 180 - General Psychology

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**PSY 320 - Abnormal Psychology**

This course surveys a range of psychological disorders describing mental, emotional, and behavioral symptoms along with an emphasis on discussing the continuum of “normal” to “abnormal” in human behavior. Symptoms, nature and causes of psychological disorders are considered in addition to classification systems used to understand these abnormalities. Some attention will also be given to an overview of major psychological tests and measurements of the clinical interview and to major theories and techniques of therapeutic intervention. Prerequisite: PSY 180.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- PSY 180 - General Psychology

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**PSY 321 - Psychology of Gender**

This course overviews current research and theories on gender development, socialization, gender comparisons, sexuality, reproduction, work, and other major impacts on men's and women's psychological experiences throughout the lifespan. Prerequisite: PSY 180 or PSY/EDU 260.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- PSY 180 - General Psychology
- PSY/EDU 260 - Human Growth and Development

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**PSY 330 - Personality and Adjustment**

This course addresses the development of personality through various theoretical perspectives and current research, including examination of the mentally healthy personality. Theoretical facets of the course focus on the assumptions, basic principles and implications of selected theories of personality, including a treatment of the psychodynamic, social learning and humanistic-phenomenological perspectives. Course material is grounded in reference to our own lives by examining issues of the "normal" personality problems of adjustment and notions of positive mental health. Prerequisite: PSY 180

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- PSY 180 - General Psychology

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**PSY 336 - Learning and Cognition**

This course is an introduction to theories and empirical research explaining human and animal learning and cognitive processes, including attention, memory, language, perception, problem-solving, and information processing. Prerequisite: PSY 180.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- PSY 180 - General Psychology

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### PSY 337 - Counseling Theory and Techniques

This course is designed to introduce students to the major schools of counseling and psychotherapy with an emphasis on theory and associated techniques. Through various modalities, students will learn the historical development of each major theoretical approach, including psychoanalytic, neo-analytic, person-centered, humanistic and affective, behavioral, cognitive, and family systems therapies. Students will also gain an understanding of the dynamics and complexity associated with counseling diverse populations in various settings. This includes cultivating an appreciation for the roles that diversity and personal values play in the counseling process. Prerequisite: PSY 180.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- PSY 180 - General Psychology

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### PSY 350 - Forensic Psychology

This course is designed to expand students' knowledge of general psychology into the interface of psychology and law, with a specific focus on forensic psychology. Students will be introduced to the various responsibilities of forensic psychologists including risk assessment, forensic evaluation, offender treatment, profiling, and expert testimony, as well as the different intercept points of psychology and the criminal justice system – including police, courts, and corrections. Students will also learn about history and development of forensic psychology as a field. Prerequisite: PSY 180.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- PSY 180 - General Psychology

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### PSY 355 - Research Methods

This course covers research methods related to ethics, literature review, and both descriptive and experimental research. Students will learn to design experiments, gather and analyze data, interpret findings, and test hypotheses. Prerequisites: PSY 180 and MTH 245.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- MTH 245 - Probability and Statistics
- PSY 180 - General Psychology

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**PSY 360 - Psychopharmacology**

This course will provide learners with an overview of the pharmacology related to various psychoactive drugs. The course will focus on biological, neurological, and physiological aspects of various substances and how different substances impact the body's functioning. A specific focus will also be on the transmission control, and treatment of the human immunodeficiency virus. Other areas of examination will include the genetic predisposition to addictions, the classification of drugs based on their effects on behavior, the metabolism of substances, and the treatment of physical dependency and withdrawal. Prerequisite: PSY 180.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- PSY 180 - General Psychology

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**PSY 362 - Individual and Group Therapy**

This course will examine the theoretical and practical aspects of the individual and group therapy processes for persons from diverse cultural groups. Focus will be on exploring theories and techniques used in group therapy for substance addictions counseling. Students will examine individual and group processes and dynamics and be presented with opportunities to practice strategies in small in-class groups. Prerequisite: PSY 180.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- PSY 180 - General Psychology

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**PSY 364 - Diagnosis and Assessment**

This course will introduce learners to various physiological, psychological, and social variables to consider in formulating a diagnosis of substance use and abuse in accordance with DSM-V diagnostic criteria. Focus will also be on examining current assessment measures used to test for substance abuse disorders. Students will be introduced to developing evaluation reports that integrate assessment and diagnostic formulations, treatment planning, and referral plans. Prerequisite: PSY 180.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- PSY 180 - General Psychology

### PSY 370 - Beginning Practicum in ADC

This course provides an opportunity for students to apply training and gain clinical training in theoretical practices, techniques, and treatment interventions in an agency setting with clinical supervision. Prerequisite: PSY 180.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- PSY 180 - General Psychology

### PSY 401 - History and Systems of Psychology

This course will cover the major theoretical paradigms in the history of psychology, illustrating the nature and development of psychology as a science. Emphasis will be on understanding and evaluating psychological theory and texts in their historical context and appreciating the intercommunications among paradigms and the diversity of psychology. Prerequisite: PSY 180.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- PSY 180 - General Psychology

### PSY 405 - The Psychology Profession

This course is one of the three senior capstone courses for psychology majors, which are designed to provide a final, intensive learning experience to assist graduating seniors with further exploration in several areas of psychology or a more in-depth immersion in a single area of interest. In this course, students will be given an overview of the numerous academic and professional aspects of the field of psychology, including the various options for careers related to psychology at each level of study (e.g., bachelor, master and doctoral levels). Professional associations, networking, and the costs and benefits of graduate study will also be addressed.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

### PSY 410 - Community Service Practicum

This course is one of the three senior capstone courses for psychology majors, which are designed to provide a final, intensive learning experience to assist graduating seniors with further exploration in

several areas of psychology or a more in-depth immersion in a single area of interest. In this course, students are involved with their community in a way that applies their knowledge of psychology and allows them to learn related skills. This may be done through placement in a community agency or other work setting to gain “real-world” experience in the field of psychology while working under the supervision of a psychology professional. Alternatively, it may also be completed through community service or volunteer projects at one or more sites in which students may integrate their academic knowledge with practical experience. Practicum sites are chosen in consultation with the course instructor.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**PSY 415 - Senior Project Demonstrating Excellence**

This course is one of the three senior capstone courses for psychology majors, which are designed to provide a final, intensive learning experience to assist graduating seniors with further exploration in several areas of psychology or a more in-depth immersion in a single area of interest. In this course, each student will outline, develop, and complete a detailed senior project. The project may be an original empirical study designed and carried out by the student with the results written up as a scholarly research paper or poster. Alternatively, students may complete an in-depth research based paper, as a literature review/critique in an area relevant to the field of psychology. Such a paper would explore the past, present, and future of an area of psychology in which they have an interest and would be based on a review of at least 20 empirical journal articles. Prerequisites: PSY 180 and PSY 355 and Junior Standing.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- PSY 180 - General Psychology
- PSY 335 - Cognition

**Restrictions:**

- Junior Standing

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**PSY 470 - Advanced Practicum in ADC**

This course provides an opportunity for advanced students to apply and gain additional clinical training in theoretical practices, techniques, and treatment interventions in an agency setting with clinical supervision. Prerequisite: PSY 180.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- PSY 180 - General Psychology

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**PSY/EDU 260 - Human Growth and Development**

Study of the theories and research related to human development from conception through adulthood, including the developmental stages of infancy, childhood, adolescence, young adulthood, middle adulthood, and late adulthood. The interaction among the physical, cognitive and social aspects of development as well as the major theories of development and current research are discussed.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**REL 285 - World Religions**

This course is a selective introduction to the religious traditions of the world, examining their historical development and their fundamental teachings and rituals as well as the role of women in the tradition. The course also studies how beliefs and attitudes affect the way individuals understand the religions of other people.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**SOC 110 - Special Topics in Sociology**

Special Topics is a flexible course to offer various topics in the field of Sociology determined by instructor/student interest. Students may repeat the course as long as the sub-topic is different for each course.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**SCO 120 - Principles of Sociology**

This course is an introduction to the elements and concepts of culture, groups, collective behavior, institutions and social change. Contemporary social issues are explored.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**SOC 220 - Social Problems**

This course is a sociological survey of major modern social problems and their origin, significance, solution or prevention. Problems examined include poverty racism, sexism, crime and population issues. Specific social problems are considered separately. However, interrelated causes and typical problem patterns are emphasized.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**SPAN 125 - Conversational Spanish I**

This course class offers students the opportunity to learn introductory Spanish with an emphasis on everyday speaking and listening comprehension. The course has been designed with the full range of students in mind, from the student who desires personal development and enrichment to the student who is motivated to learn Spanish for employment or job benefits.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**SPAN 126 - Conversational Spanish II**

This course class offers students the continuing opportunity to build on what they learned in SPA 125 as well as to further develop and advance their Spanish vocabulary and structures base. While assignments will integrate more reading and writing components, everyday speaking and listening comprehension skills remain the backbone of the class. The course has been designed with the full range of students in mind, from the student who desires personal development and enrichment to the student who is motivated to learn Spanish for employment or job benefits. Prerequisite: SPAN 125 Conversational Spanish I with a grade of C or higher.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Prerequisites:**

- SPAN 125 - Conversational Spanish I

**Restrictions:**

- Grade of C or higher in SPAN 125.

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**MCO 425 - Special Topics in Marketing**

This course is designed to provide students with the opportunity to study emerging topics in the field of marketing. This course may be repeated provided the content has not been previously taken by the student.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**MTH 490 - Special Topics in Mathematics**

Topics courses are designed to allow for study of well-defined areas within a discipline that are not treated in regular coursework. Since prerequisites will vary among courses, students should refer to each semester's Schedule of Academic Offerings before registering for a topics course. Cross-listed with MTH 590. Course completion requirements will differ for undergraduate and graduate students.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Restrictions:**

- Refer to each semester's Schedule of Academic Offerings

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**MTH 590 - Special Topics in Mathematics**

Topics courses are designed to allow for study of well-defined areas within a discipline that are not treated in regular coursework. Since prerequisites will vary among courses, students should refer to each semester's Schedule of Academic Offerings before registering for a topics course. Cross-listed with MTH 490. Course completion requirements will differ for undergraduate and graduate students.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Restrictions:**

- refer to each semester's Schedule of Academic Offerings

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**SPM 110 - Introduction to Sport Management Theory and Practice**

This course is an analysis of effective management strategies and the body of knowledge associated with pursuing a career in sport management. The course introduces the student to sport management career opportunities in the sport industry and to sport principles as they apply to management, leadership style, communication, and motivation.

**Grade Basis:** L
**Credit hours:** 3.0

**Lecture hours:** 3.0

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**SPM 200 - Sociocultural Dimensions in Spor**

This course is designed to assist students in the development of an understanding of sport from a sociological perspective. Major issues and controversies of sport in society will be examined. Topics include the role of research and theory, sport socialization, youth sport, amateur sport, sport and the economy, sport and media, and sport and politics. Students will be asked to think critically about sport as a part of social life.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**SPM 210 - Psychology of Sport**

This course is designed to provide students with an understanding of the theoretical structure that underlies psychology as it has been applied to sport. There will be a particular emphasis on the psychological concerns that confront coaches, physical educators, organizations, athletes, and teams.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**SPM 300 - Communication in Sport**

This course is designed to introduce sport management students to the principles of interpersonal communication, mass communication, and interaction with the public as they relate to the sport industry. Students will learn the concepts and practices of sports communication through class lectures, writing assignments, case studies, and projects. The course will study the role of communications in management, both internal and external, to the sport industry and discuss news release writing and working with and utilizing the various forms of media.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**SPM 315 - Financial Applications in Sport**

This course is designed to assist students in developing an understanding of the importance of financial management principles in the administration of sports, recreation, and athletic programs. Focus will be placed on sound financial budgeting, financial analysis, and sources of revenue and expenses for sport organizations.

**Grade Basis:** L
**Credit hours:** 3.0

**Lecture hours:** 3.0

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**SPM 320 - Legal Issues in Sport**

This course is designed to enhance the student's knowledge about the legal system as it pertains to sport law. The course will include legal basics, including contract law principles, general tort theories, general criminal law principles, fundamentals of Title IX, relevant disability related statutes, constitutional frameworks related to the regulation of drugs in sport, international sport legal issues, antitrust issues, labor issues, intellectual property issues, and religious issues related to sport. The student's understanding of the basic legal concepts concerning both contract law and tort law in sport will provide a sound foundation to recognize legal liability exposure in the sport workplace.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**SPM 325 - Management and Leadership in Sport**

This course emphasizes the management and leadership principles related to the business of sports. It includes personnel, programs, marketing, media, financial management, and an overview of career opportunities in this rapidly expanding field. Elements of leadership theory and practices relating to managerial responsibilities are also covered.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**SPM 330 - Sport Marketing**

This course is designed to assist students in applying fundamental marketing concepts to the sport industry and developing a conceptual understanding of sport marketing principles, sport marketing applications, product and service analyses, corporate sponsorships, sport marketing plans, and the use of case analysis to critically evaluate and solve sport marketing problems. Students will work individually on class projects as well as work with groups of their peers on out-of-class assignments. A portion of the course will include research and presentation of case studies.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**SPM 340 - Facility Management and Design**

The purpose of this course is to provide students with a broad understanding of the planning and management of sport facilities. The course will focus on elements of planning, design, and management, while examining functions related to maintenance, security, operations, and evaluation.

**Grade Basis:** L

**Credit hours:** 3.0
**Lecture hours:** 3.0

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**SPM 400 - Managing Sport Events**

The purpose of this course is for the students to apply principles of organizational leadership and management as they relate to event planning in sport management. The class culminates in the administration of a professional event utilizing skills developed in the curriculum.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**SPM 410 - Internship**

Internship courses allow practical application of classroom knowledge and intentional development of skills applicable to the student's professional growth. This experience focuses on the combination and integration of various concepts by applying them to the analysis and solution of problems viewed in the context of marketing studies. The internship experience requires 135 hours of relevant field work at the internship site in addition to scheduled class meetings. Students will be under the supervision of faculty and site supervisors. Student will gain practical hands-on experience, enhance skills learned in the classroom, and acquire contacts with professionals in the field. Students will be expected to complete reflections and demonstrate learning through a final paper or project. Internship courses are graded as pass/fail.

**Grade Basis:** P
**Credit hours:** 3.0

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**SPM 425 - Advanced Topics in Sport Management**

This course is designed to provide a student with a wide variety of understanding using terminology in sports management. Different materials will be offered each term so the course may be repeated for credit if the course material is different.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**SPM 602 - Sports Law**

This course provides an overview of general sport business practices, including entity formation, insurance, taxes, accounting, and contracts and negotiations. Students will explore the theories of negotiation and strategy in developing solution-oriented processes for achieving results in the sports business. Students will investigate the relationships among organizations, sponsors, vendors, and distribution outlets. Students will also explore a variety of topics including content creation, conflict

and dispute resolution and remedy, theoretical processes and strategies, creativity in contract writing, and enforcement of terms.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**SPM 612 - Sports Organization Finance**

This course provides the student with a practical background regarding the principles of financial management, economic theory, and financial systems for the purpose of planning, administering, reporting, and evaluating financial performance in sport-related industries.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**SPM 622 - Sport Marketing**

This course will provide an intensive evaluation of marketing techniques and promotional strategies. Topics will include the marketing mix, new product strategy, services, interactive promotion, event marketing, and value-added marketing.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**SPM 632 - Organizational Behavior in Sports**

This course will examine theories and patterns of organizational behavior with particular emphasis on the needs and attributes of a diverse workforce.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**SPM 642 - Capstone in Sport Management**

This course emphasizes the improvement of personal effectiveness in the work environment for sport managers. Students will develop observational skills needed for the sport industry by thinking critically, solving problems, and applying various change models. Sport management articles will be analyzed and critiqued. The course prepares students to market their skills to the sport industry.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**TEM 460 - Bourbon Tourism Industry Analytics**

This course will consider local, regional, state, national and international forms for measuring tourism. A focus will be on evaluating and interpreting secondary data and conveying the meaning and significance of those analytical measures as it relates to tourism in general and bourbon-based tourism more specifically.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**TEM 476 - The Bourbon Experience and Hospitality**

This course considers the history of and changing trends in hospitality, how the hospitality industry creates value, how the hospitality experience is defined from guest and management experiences, and the strategic value of success definitions and analytics for hospitality organizations. Special attention is devoted to the Kentucky Bourbon Tourism industry within the greater hospitality industry.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**TEM 480 - Special Topics**

This course allows for some flexibility within the curriculum to offer topics of particular interest to students but not as a permanent addition to the course offerings. Course may be repeated under different topics.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**TEM 482 - Destination Branding and the Bourbon Experience**

For the bourbon industry, this course considers place branding from a tourism planning perspective. Consideration is given to how bourbon tourism can be organized among discrete organizations to create unified image, consistency, valuation, and co-branding structures to attract business, leisure travelers and individual/family entities.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**TEM 485 - Independent Study**

This course is designed for students to work independently with a faculty member on a project of particular interest beyond the traditional classroom experience. Students would be required to

create a learning contract and work with the faculty member to develop outcomes, deliverables and deadlines. Course may be repeated under different topics.

**Grade Basis:** L
**Credit hours:** 3.0

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**TEM 487 - Event Management and the Bourbon Experience**

Professional event management is one to the fastest growing categories of job opportunity within the hospitality sector. This course is designed to prepare students to understand the current science, strategy and philosophy of event management and how value is created for clients, hosts, guests, vendor and everyone else participating in an event or a stream of interrelated events.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**TEM 520 - Bourbon Tourism Industry Analytics**

This course will consider local, regional, state, national and international forms for measuring tourism. A focus will be on evaluating and interpreting secondary data and conveying the meaning and significance of those analytical measures as it relates to tourism in general and bourbon-based tourism more specifically.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**TEM 576 - The Bourbon Experience and Hospitality**

This course considers the history of and changing trends in hospitality, how the hospitality industry creates value, how the hospitality experience is defined from guest and management experiences, and the strategic value of success definitions and analytics for hospitality organizations. Special attention is devoted to the Kentucky Bourbon Tourism industry within the greater hospitality industry.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**TEM 580 - Special Topics**

This course allows for some flexibility within the curriculum to offer topics of particular interest to students but not as a permanent addition to the course offerings. Course may be repeated under different topics.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**TEM 600 - Destination Branding and the Bourbon Experience**

This course considers place branding from a tourism planning perspective. Consideration is given to how bourbon tourism can be organized among discrete organizations to create unified image, consistency, valuation, and co-branding structures to attract business, leisure travelers and individual/ family entities.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**TEM 632 - Event Management and the Bourbon Experience**

Professional event management is one to the fastest growing categories of job opportunity within the hospitality sector. This course is designed to prepare students to understand the current science, strategy and philosophy of event management and how value is created for clients, hosts, guests, vendor and everyone else participating in an event or a stream of interrelated events.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**TEM 642 - Bourbon Capstone Experience**

Students will develop a literature review and proposal of a question to be explored, select and employ appropriate methodologies to research, analyze, develop conclusions and recommendations, and submit a final capstone paper and present the results orally.

**Grade Basis:** L
**Credit hours:** 6.0
**Lecture hours:** 6.0

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**WST 100 - Contemporary Women’s Issues**

This course addresses historical and current issues significant to women using an interdisciplinary approach. Perspectives on women's roles in history, politics, culture, race, economics, health, sciences, sports, and the arts will be discussed. The student will become familiar with key issues, questions, and debates facing today's women and develop an understanding of how prejudice, discrimination, and patriarchy play a role in gender inequality and social issues. The course must be completed at Midway University.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

**Restrictions:**

- The course must be completed at Midway University.

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**WST 200 - Introduction to Gender Studies**

Students develop an understanding of gender and its social construction as it affects individuals and their personal, interpersonal, and institutional interactions. Broadens the course.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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**WST 310 - Special Topics in Women's Studies**

The purpose of each gender studies course is to demonstrate understanding of the historical forces that have shaped the development of women's roles in society in the present.

**Grade Basis:** L
**Credit hours:** 3.0
**Lecture hours:** 3.0

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