Course Offerings

The following pages list the course offerings of Glenville State College. The course offerings are presented in alpha order beginning with ACCT (Accounting) and ending with STAT (Statistics). Each course listing includes the course number, a summary course description, any prerequisites, corequisites and credit hours.

Please contact the department chairperson in which the course is offered if you have any questions about your eligibility to enroll in a particular course.

Course Numbers:

Course numbers indicate the general level of difficulty of each course and in many cases the sequence in which the courses in a specific area should be taken. For example:

- 100 level courses are designed for first-year college students;
- 200 level courses for students at the sophomore level;
- 300 level courses for students in their junior or senior year; and
- 400 level courses for student in their senior year.

Prerequisites:

Upper level courses often have prerequisites (a course or courses that must be taken prior to enrollment in said course). In some cases, the prerequisite(s) can be waived by the department chair.

Credit Hours:

All courses have a set number of credit hours, usually set at 1, 2, 3, or 4 credit hours. However, there are some courses offered on a variable credit basis, normally between 1 and 6 hours. Students should be sure that in these cases, they have enrolled in the intended number of credits.

Courses may not be repeated for additional credit unless this option is specified in the course listing.

Note: The College follows federal, state, and accreditation association guidelines in the setting of credit hours for specific courses and degree programs. The minimum classroom/laboratory and/or out-of-class student work required for a course is set at 45 hours per credit hour. These guidelines additionally require a minimum of 60 credit hours for an associate degree and 120 credit hours for a bachelor degree. Students are advised that these are minimum standards and that a specific course and degree program may require more than the established minimums.
Additional Course Offerings:

The College also makes available selected course offerings on an as needed basis. Thus, departments may periodically provide the following educational opportunities in addition to the course offerings presented in the previous pages.

Experiential Courses:

The following courses are credit/no credit only. Prerequisites are set by the department chair in consultation with the instructor requesting or assigned to oversee the course.

- 197 Work Experience I 1 - 6 Hours
- 297 Internship I 1 – 6 Hours
- 397 Work Experience II 1 – 6 Hours
- 497 Internship II 1 – 6 Hours

Special Topics and Problems Courses:

Courses based on group study of a special topic or problem may be offered with the approval of the department chair. Prerequisites are set by the department chair in consultation with the instructor requesting to offer the course. Students interested in a special topic or program course offering should convey their interest to the appropriate department chair.

An approved special topic and problems course will be listed on the schedule of classes at the appropriate level and for the agreed upon credit hours:

- 199, 299, or 399 Special Topics and Problems 0 – 4 Hours

Community Service:

Courses designed to permit students to carry out a project in the community under the supervision of a faculty member may be offered. The department chair must approve the offering, including any prerequisites. These courses are offered on a Credit/No Credit basis only. The course listing to appear in the schedule of classes is as follows.

- 389 Community Service 1 – 3 Hours

Students interested in taking a community service course should advise the appropriate department chair.
Disciplinary Seminar

A seminar course may be offered in a specific discipline and limited to students who have declared a major or minor in the discipline with the approval of the department chair. The course will be listed in the schedule of classes as follows.

498 Seminar 1 – 3 Hours

Individualized Research Opportunities

Students may propose a research project to be conducted under the supervision of a full-time member of the faculty. The offering of credit for this research project must be approved by the proposed supervising faculty member and the appropriate department chair. If approved, the student will enroll in:

499 Individual Research Problems 1 – 3 Hours

Students interested in conducting individual research projects should consult the proposed faculty research mentor prior to seeking the approval of the appropriate department chair.
ACCOUNTING (ACCT)

231 Principles of Accounting I 3 Hours
This course is a study of fundamental accounting principles, with emphasis on managerial uses of accounting data and analysis of financial statements.
Prerequisites: BUSN 230 or consent of department chairperson.

232 Principles of Accounting II 3 Hours
Continuing the study of accounting theory, this course emphasizes corporate finance and reports, financial planning, and introduction to cost accounting, and various systems related to decision-making and control of the business enterprise.
Prerequisites: ACCT 231 with a grade of “C” or higher or consent of department chairperson.

331 Intermediate Accounting I 3 Hours
This course is an in-depth study of accounting principles, their appropriate application, and the application of appropriate alternative principles with regard to the reporting process of financial data. Primary emphasis is placed upon the accounting process and the basic financial statements resulting from this process. It provides coverage of Generally Accepted Accounting Principles as they relate to actual accounting procedures, approaches and techniques used in contemporary accounting practice.
Prerequisites: ACCT 231 and ACCT 232 with a grade of “C” or higher or consent of department chairperson.

332 Intermediate Accounting II 3 Hours
This course is a continued study of accounting principles, their appropriate application, and the application of appropriate alternative principles with regard to the reporting process of financial data. Primary emphasis is placed upon the accounting process and the basic financial statements resulting from this process. It provides coverage of Generally Accepted Accounting Principles as they relate to actual accounting procedures, approaches and techniques used in contemporary accounting practice.
Prerequisites: ACCT 331 with a grade of “C” or higher or consent of department chairperson.

334 Individual Income Tax Accounting 3 Hours
An introduction to federal and state taxes on individual income, this class emphasizes the preparation of individual tax returns, tax planning, advanced phases of income taxation, and the rationale underlying the various taxation principles.
Prerequisites: ACCT 231 and ACCT 232 with a grade of “C” or higher or consent of department chairperson.

337 Cost Accounting 3 Hours
This course places emphasis on determining manufacturing cost for job orders and process cost accounting systems, directing attention to isolated topics of overhead costing, joint costing, job order costing reports, and process costing reports.
Prerequisites: ACCT 231 and ACCT 232 with a grade of “C” or higher or consent of department chairperson.

344 Business Income Tax Accounting 3 Hours
An introduction to federal and state taxes on corporations, partnerships, estates and trusts, this class emphasizes the preparation of tax returns, tax planning, advanced phases of income taxation and the rationale underlying the various taxation principles.
Prerequisites: ACCT 334 with a grade of “C” or higher or consent of department chairperson.
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432 Advanced Accounting 3 Hours
This course is a continuation of the prerequisite accounting courses with emphasis placed on consolidated corporate financial statements, international accounting, partnerships, nonprofit accounting, and government accounting.
Prerequisites: ACCT 331 and ACCT 332 with a grade of “C” or higher or consent of department chairperson.

435 Auditing 3 Hours
This course is a study of the theory of auditing and the procedures and standards of auditing to give the student an understanding of the reporting requirements and the auditor’s responsibility for his/her opinion with regard to financial statements under examination.
Prerequisites: ACCT 231 and ACCT 232 with a grade of “C” or higher or consent of department chairperson.

436 Accounting Systems 3 Hours
This course is a study of accounting information systems analysis, design and implementation including data processing fundamentals and the accounting controls necessary therein. It will build upon the concepts developed in Accounting 435 in particular application to EDP (Electronic Data Processing) systems analysis and audit.
Prerequisite: ACCT 435 with a grade of “C” or higher or consent of department chairperson.

438 Accounting Ethics Seminar 3 Hours
This course is designed to provide senior accounting majors the opportunity to discuss critical issues that impact the accountancy profession, enhance communication and presentation skills, and examine ethics and professionalism in accounting.
Prerequisites: ACCT 331, ACCT 332, ACCT 334, ACCT 337, ACCT 344, ACCT 432, ACCT 435, ACCT 436 with a grade of “C” or higher or consent of department chairperson.

497 Internship II 3-6 Hours
This course is open only to baccalaureate accounting majors. This is a senior accounting course designed to provide an internship experience in various areas of accounting. To enroll in this course the student must be of senior status with a minimum of an overall GPA of 2.5. Students will develop a professional resume and letter of application.
Prerequisites: ACCT 331, ACCT 332, ACCT 334 or ACCT 344 and ACCT 432 or consent of department chairperson.

ART (ART)

200 Survey of Art 3 Hours
This course is designed to give touchstones concerning the structure of Art, how it changes with historical periods and how styles change to reflect the human condition. The study of Art, (drawing, painting, sculpture, architecture, printmaking, and performance art), using technical, formal, experiential and contextual criticism will be explored. This course intends to fulfill the requirements of the general Humanities core.

201 Representational Drawing 3 Hours
Basic drawing elements and concepts, along with a variety of drawing techniques, media, and the development of an art vocabulary will be the focus.

202 Color and Design 3 Hours
The principles of design, the elements of art, the study of color, and the development of an art vocabulary will be the focus.
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270  Digital Media  3 Hours
Digital Media explores various media, industries, concepts, and applications that incorporate a digital platform and methods of communicating, storing, and creating media in a digital format. Students in this class will learn the methods, workflow, software, legal, and ethical issues associated with digital communication. This course is also an introduction to digital media software and hardware and its interdisciplinary use within industry and fields of art. Students will learn the formats and methods of creating and sharing digital media including images, audio, and video.

280  Foundations of Art and Design  3 Hours
The Foundations of Art and Design examines the history, procedures, and techniques involved in digital design principles, commercial graphics, and artistic exploration to provide a reference and foundation for the study of visual communication.

293  Fourth Portfolio Jury  2 Hours
The Fourth Portfolio Jury is the mid-program gateway assessment for the ART BA student and consists of presenting artwork completed at GSC to a panel of Art Faculty.

301  Intermediate Drawing  3 Hours
This is an intermediate drawing course extending the foundation level. The concerns of the previous two courses, skills and concepts introduced are further refined. Subject matter will continue to include the still life, figure and spatial issues. New drawing materials are introduced simultaneously with the use of mixed media techniques. Students are expected to extend their critique skills to include aspects of visual communication.
Prerequisite: ART 201.

306  Ceramics  3 Hours
Introduction to the basic methods of working with clay. As a basic course, students will explore the processes involved in the media. Students will produce pinch pots, coil constructions, and slab form. Glazing techniques will be discussed and demonstrated. Experimentation with the potter’s wheel is optional but encouraged.

307  Introductory Oil Painting  3 Hours
An introduction to the materials, techniques, processes, and philosophies of oil painting. The creative experience will be approached through the study of subject matter, content and form.

308  Watercolor Painting  3 Hours
The basic techniques and elements of watercolor, along with the principles of design in painting will be the focus.

326  Intermediate Ceramics  3 Hours
An advanced course in ceramics will give students the opportunity to explore the process involved in the media. An individual program will be devised for each student according to their interests and expertise. This may include a continuation of basic techniques and/or a concentration on the potter’s wheel. The formation of glazes and glazing techniques will be part of the student’s responsibilities. Experimentation with clay and mixed media is encouraged. Students will research and present information on the history of ceramics and changing techniques.
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330  **Art Methods - Elementary Education Major**  2 Hours
This course will address children’s creative development, physical and mental abilities as related to Art. ART 330 will explore the methods, planning, management and implementation of Art in the elementary school classroom. The integration of Art into the elementary school curriculum will be an important focus of this course. The use of West Virginia Content Standards and Objectives for lesson planning and teaching activities will be discussed, demonstrated and applied. Research into current practice is required. The teacher candidate will plan and participate in teaching activities with students grades (K-6).
*Prerequisites: EDUC 203 and EDUC 205*

340  **Sculpture**  3 Hours
The principles, techniques and elements of 3-dimensional design in sculpture, along with the development of an art vocabulary will be the focus.

341  **Intermediate Sculpture**  3 Hours
This studio based course will extend students’ knowledge and understanding of sculptural practice within a contemporary context, through a series of studio based projects. The projects will extend the students’ personal creative enquiries, foster an awareness and recognition of historical precedents and sculptural theory, and with an interdisciplinary focus, further the students’ art practice. The course is intended to provide a challenging catalyst for students to develop a poetic, imaginative and exploratory approach to sculptural language, ideas and processes and to facilitate the production of sculptural works with an understanding of the work’s position in relation to art history and theory and contemporary practice.

350  **Digital Photography**  3 Hours
This course is an introduction to the concepts, tools and technology of digital imaging for photographers. Students will develop competence in the use of digital photographic equipment, software, storage devices and printers to produce digital photographic images satisfying the requirements of a series of assignments designed to develop specific skills and competencies. Students will “capture,” import, adjust, correct, transmit, store and output images. They will use digital imaging technology to produce photographs for visual communication and artistic expression.

351  **Intermediate Digital Photography**  3 Hours
A continuation of experiences in Digital Photography with an emphasis on quality prints. This course, targeted to advanced photography students, emphasizes the philosophical and technical relationship between the camera and the computer. Students are expected to mesh their personal aesthetic with the multitude of possibilities available in electronic media. Appropriate presentation, software options and sequencing of imagery are stressed, along with historical examples that provide background for understanding this new medium.

365  **Art History: Antiquity to 19th Century**  3 hours
A general survey of visual art forms from the prehistoric times through the 1900’s.

370  **Digital Publishing**  3 Hours
This course is an introduction to digital publishing software and technology. Students will take a hands-on approach to the design, development, and implementation of electronic publications including children’s books, textbooks, magazines, and news/editorial publications.
*Prerequisites: ART 270 and ART 280.*

380  **Intermediate Art and Design**  3 Hours
Intermediate Art and Design further examines the history, procedures, and techniques involved in digital design principles, commercial graphics, and artistic exploration. Students will demonstrate knowledge and experimentation with Design Applications.
*Prerequisites: ART 280.*
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402 Art History: 20th Century 3 Hours
Survey of avant-garde developments in the visual arts from 1945 to the present, ranging from painting and sculpture to architecture, photography, and video, with emphasis on the critical concepts and the aesthetic, social, and historical implications of these cultural activities. Movements and tendencies include abstract expressionism, pop art, color-field painting, minimalism, conceptual art, earthworks, performance art, postmodernism, and 1990s feminist art.

405 Advanced Drawing 3 Hours
The concept of drawing as an expressive media and the importance of composition in art. Advanced drawing for art majors.

406 Intermediate Oil Painting 3 Hours
A continuation of skills and techniques developed in ART 307. Experimentation with techniques and individual creative development will be emphasized.

407 Advanced Water Color Painting 3 Hours
Further development and broadening of technical skills and knowledge regarding watercolor technique and materials. Watercolor media is used for exploring color theory, composition, and experimental techniques. Emphasis is on working from life.

408 Art History: Art in America 3 Hours
Provides a selected overview of American artistic production from the late 17th through the mid-20th centuries with a focus on the cultural, social, and political meanings of the seminal American achievements in paintings, sculpture, photography, and some architecture. This course will probe how the history of ideas in America profoundly intersects with the history of American art. As we analyze the key artistic achievements of American visual culture we will examine the changing attitudes regarding the role of art in society and the impact on culture of such extraordinary events as the American Revolution, the expansion westward, slavery and separatism, the Civil War, technological revolutions in transportation and communication, the influx of immigrants, and changing economic factors.
Prerequisite: ART 200.

420 Advanced Oil Painting 3 Hours
This studio based course will extend students’ knowledge and understanding of oil painting within a contemporary context, through a series of studio based projects. The projects will extend the students’ personal creative enquiries, foster an awareness and recognition of historical precedents and painting theory, and with an interdisciplinary focus, further the students’ art practice. The course is intended to provide a challenging catalyst for students to develop a poetic, imaginative and exploratory approach to painting language, ideas and processes and to facilitate the production of paintings with an understanding of the work’s position in relation to art history and theory and contemporary practice.

426 Advanced Ceramics 3 Hours
Students enrolled in this course will pursue an advanced level of work, exploring a variety of techniques, clays, and firings within a framework of class assignments that challenge their conceptual and aesthetic abilities.

490 Digital Paint and Design 3 Hours
Digital Paint and Design explores traditional methods of painting and design on a digital platform. Students will apply conceptual methods and practices to graphic design, illustration, and/or fine art projects utilizing industry standard software and hardware. Students will learn to create art and solve complex design problems utilizing a strong traditional art foundation and digital workflow techniques.
Prerequisites: ART 293, ART 351 or ART 380.
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493 Senior Exhibition 3 Hours
This Capstone course provides a focal point and closure of a liberal arts education within the context of the major discipline. As a departmental offering, this course focuses on the development of an independent project in the area of emphasis and expands to include breadth of knowledge and synthesis. Interdisciplinary integration of knowledge and research is emphasized. General education and major outcomes are integral to course assessment.
Prerequisite: Senior standing.

497 Internship II 3 Hours
This course consists of supervised practical experiences in the student’s major field of graphic and digital design. This is a senior course designed to provide integrating experience in various areas of design; it is open only to baccalaureate art majors of senior status who have a minimum GPA of 2.5. Students will also develop a portfolio that they will exhibit in their Senior Capstone Exhibition and also for entering the workforce.

BIOLOGY (BIOL)

120 Principles of Biology I 4 Hours
This course provides an introduction to basic chemistry and organic compounds, basic chemical process of life including photosynthesis, cellular respiration, DNA replication, protein synthesis, cell division, and introductions to genetics and the origins of life.
Lecture 3 hours, Laboratory 3 hours
Prerequisites: Math ACT 19 or higher, or SAT Math score of 460 or higher; or new SAT Math score of 500 or higher; or COMPASS® Algebra score of 34 or higher; or MATH 106L or higher with a grade of “D” or higher; or consent from the Chairperson of the Science and Mathematics Department.

121 Principles of Biology II 4 Hours
This course provides a general overview of the characteristics of life, cell structure and function, mechanisms of evolution, a survey of organisms (i.e., bacteria, protists, fungi, plants, animals), and ecological interactions.
Lecture 3 hours, Laboratory 3 hours
Prerequisites: Math ACT 19 or higher, or SAT Math score of 460 or higher; or new SAT Math score of 500 or higher; or COMPASS® Algebra score of 34 or higher; or MATH 106L or higher with a grade of “D” or higher; or consent from the Chairperson of the Science and Mathematics Department.

210 Zoology 4 Hours
This course is a survey of the Animal Kingdom including the physiology, morphology, taxonomy, ecology and evolution of its members covered through lecture, field-work, and laboratory.
Lecture 3 hours, Laboratory 3 hours
Prerequisites: BIOL 121 with a grade of “C” or higher; or consent from the Chairperson of the Science and Mathematics Department.

293 Techniques of Science 2 Hours
The basic steps in the deductive scientific method are presented as applied in the natural sciences. Discussions and exercises on experimental design are presented.
Lecture 2 hours, Laboratory 0 hours
Prerequisites: BIOL 120 and BIOL 121 with a grade of “C” or higher, or consent from the Chairperson of the Science and Mathematics Department.
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305  General Botany  4 Hours
Course provides an introduction to plant biology, including plant diversity and evolution. Instructional methods include lectures, demonstration, field experience, dichotomous keys, microscopy, and other laboratory activities.

Lecture 3 hours, Laboratory 3 hours

Prerequisites: BIOL 120 or BIOL 121 with “C” or higher; or consent from the Chairperson of the Science and Mathematics Department.

309  Human Anatomy and Physiology I  4 Hours
This is an introductory course designed to provide a basic understanding of the structure and function of the human body. Emphasis is placed on terminology, structure – function relationships, medical and sports training applications.

Lecture 3 hours, Laboratory 3 hours

Prerequisites: BIOL 120 with grade of “C” or higher; or consent from the Chairperson of the Science and Mathematics Department.

310  Human Anatomy and Physiology II  4 Hours
This is an intermediate level course designed to provide a detailed understanding of the structure and function of the human body. Emphasis is placed on metabolism, locomotion, and human performance.

Lecture 3 hours, Laboratory 3 hours

Prerequisites: BIOL 309 with grade of “C” or higher; or consent from the Chairperson of the Science and Mathematics Department.

321  Animal Physiology  4 Hours
Function and regulation of major organ systems in invertebrate and vertebrates, neural responsiveness and integration, homeostasis of body fluids, circulation, respiration, organic maintenance, hormonal control.

Lecture 3 hours, Laboratory 3 hours

Prerequisites: BIOL 120 with a grade of “C” or higher; or consent from the Chairperson of the Science and Mathematics Department.

335  Cell Physiology  4 Hours
Study of physiology of living organisms at the cellular and molecular levels. Topics include theories for the evolution of life; functions of cell structures and organelles; energy metabolism, DNA replication, transcription, translation, cellular signaling and control of gene expression.

Lecture 3 hours, Laboratory 3 hours

Prerequisites: BIOL 120 and BIOL 121 with a grade of “C” or higher; or consent from the Chairperson of the Science and Mathematics Department.

351  Flora of West Virginia  3 Hours
Recognition and identification of common native and introduced vascular plants. Includes the basic principles of plant taxonomy and description of the floristic regions of West Virginia. Cross-listed as NRMT 351.

361  Microbiology  4 Hours
A course in concepts and principles of microbiology. Structures, processes, genetics and interactions of microbes are included. Methods of culturing, handling and treating microbes are a major component of the laboratory work. Viruses, basic biochemistry, molecular biology.

Lecture 3 hours, Laboratory 3 hours

Prerequisites: BIOL 120 or BIOL 121 with a grade of “C” or higher; or consent of the Chairperson of the Science and Mathematics Department.
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362  Plant Physiology  4 Hours
A general introduction beginning with a consideration of basic plant-related biophysics. Plant/soil, plant/water relationships, mineral nutrition, photosynthesis, and growth are considered in some detail.
Lecture 3 hours, Laboratory 3 hours
Prerequisites: BIOL 305 with a grade of “C” or higher; or consent from the Chairperson of the Science and Mathematics Department.

400  Ecology and Field Biology  4 Hours
An introduction to the basic concepts and principles of ecology coupled with field observations of plants and animals.
Lecture 3 hours, Laboratory 3 hours
Prerequisites: BIOL 121 or NRMT 201 with a grade of “C” or higher; or consent from the Chairperson of the Science and Mathematics Department.

420  Neurobiology  3 Hours
Study of the nervous system, which confers on animals the ability to sense the environment, to process information and to move in the world. Topics include the basic elements of neurobiology, cellular communication, and sensory and motor systems. This information will be applied to the understanding of the neural basis of behavior, the malleability of neural systems, learning and memory.
Lecture 3 hours, Laboratory 3 hours
PREREQUISITES: BIOL 120 and BIOL 121 with a grade of “C” or higher; or consent from the Chairperson of the Science and Mathematics Department.

425  Bioethics  2 Hours
Study of ethical issues involved in the social impact of biotechnology in the global environment. A writing and discussion intensive approach to understanding the principles of bioethics and current issues impacting our society.
Lecture 2 hours, Laboratory 0 hours
PREREQUISITES: BIOL 120 and BIOL 121 with a grade of “C” or higher; or consent from the Chairperson of the Science and Mathematics Department.

435  Developmental Biology  4 Hours
An introduction to embryonic and postembryonic developmental processes in animals. Topics include: fertilization, morphogenesis, pattern formation, limb formation, and the cellular control of these events. Gain hands on experience on traditional and modern techniques used to study developmental biology.
Lecture 3 hours, Laboratory 3 hours
Prerequisites: BIOL 120 and BIOL 121 with a grade of “C” or higher; or consent from the Chairperson of the Science and Mathematics Department.

456  Genetics  4 Hours
Topics covered include Mendelian, population, and molecular genetics.
Lecture 3 hours, Laboratory 3 hours
Prerequisites: BIOL 120, BIOL 121, and MATH 115 with a grade of “C” or higher; or consent from the Chairperson of the Science and Mathematics Department.

493  Senior Seminar  1 Hour
This is the senior capstone experience for Biology majors. Senior students present their capstone research project, write a formal research paper on their capstone project, and take a formal oral comprehensive exam on the content of the program’s core courses. Students must pass this class with a “C” or better to graduate with a BS in Biology.
Lecture 1 hour, Laboratory 0 hours
Prerequisites: BIOL 293 and BIOL 361 with a grade of “C” or higher and junior or senior standing; or consent from the Chairperson of the Science and Mathematics Department.
Corequisites: None. Biology majors are encouraged to enroll in BIOL 499 at the same time they take this course.
499 Individual Research Problems
1 – 3 Hours
Biology majors need to be able to “do” biology as well as learn biological knowledge. Biology 499 is the opportunity for students to conduct a well-designed research project from background research to communication of results. Lecture 0 hours, Laboratory 3 – 9 hours. Prerequisites: BIOL 120, BIOL 121, and BIOL 293 with “C” or higher; or consent of the Chairperson of the Science and Mathematics Department.

BUSINESS (BUSN)

100 Introduction to Business
3 Hours
This course is a study of business and its environment, the elements in establishing a business, the responsibilities in operating a business, the costs of managing a business, and the reasons why people go into business. Within this course, each student is required to take a program entrance assessment before credit may be received for the course.

118 Office Software
3 Hours
The course is a continuation of the CSCI 101 course, Computing Concepts, with special emphasis on developing advanced software skills in Microsoft Office components. Prerequisite: CSCI 101 with a grade of “C” or higher and keyboarding skills.

193 Applied Business Communications
3 Hours
This course is designed to develop communication skills necessary to speak and write clearly in a business environment. Students will compose business correspondence, develop effective verbal and nonverbal communication and listening skills, and participate in group projects. This course includes a service learning component. Prerequisite: CART 101, ENGL 101

230 Quantitative Business Analysis I
3 Hours
This course emphasizes the mastery and use of fundamental quantitative and algebraic concepts while directing students to apply critical and analytical thinking skills specifically to business classes. The skills gained in this course can be applied to the various business disciplines of accounting, business technology, computer science, economics, finance, marketing, and management.

270 Business Law I
3 Hours
This course is a study of the nature of law, the overall legal environment, the judicial system, contract law and property law.

293 Capstone Business Experience
2 Hours
This required capstone course for the two-year business program affords students an opportunity to apply program content and learning in an actual job environment. This workplace experience improves the marketability of students’ skills and enhances students’ classroom learning through supervised practice. Prerequisites: Forty-five hours of the student’s AS Business program must be completed prior to enrolling in this course. Co-requisite: 80 clock hour work placement.

296 Dimensions in Professional Development
3 Hours
This course is designed to provide an awareness of people skills essential for job success. Topics include professional self-image, ethics, time management, communications, organizational dynamics, and the employment process.
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305  Professional Office Procedures  3 Hours
The course is intended to provide opportunities to students to practice varied administrative office routines, practices, duties and tasks, which will require the student to exercise knowledge, skill and good judgment in carrying out the assigned jobs. Practice in exercising judgment will develop independent and reflective thinking and critical thinking skills.
Prerequisites: BUSN 193, CSCI 101.

330  Quantitative Business Analysis II  3 Hours
This class is a continuation of the class in Quantitative Business Analysis I, with special emphasis on algebraic and graphing tools that are utilized in modern day business decision making. Topics include solving for variables, linear relationships, linear programming, matrices, and pre-calculus concepts.
Prerequisites: MATH 115 or higher and BUSN 230 with a grade of “C” or higher.

470  Business Law II  3 Hours
This course, a continuation of BUSN 270, is a study of creditor’s rights, agency, business organizations, government regulation, property, special topics and international law.
Prerequisites: BUSN 270 with a grade of “C” or higher.

493  Strategic Management and Planning  3 Hours
The course develops a comprehensive view of the elite function of strategic management from the perspective of top management. It deals with gaining a competitive advantage in the long-term and indicates the key concepts, processes and capabilities required to get there. It also applies analysis and critical thinking to a wide variety of cases and to a service learning component in which the student researches, writes and presents decisions in an organized manner.
Capstone course (senior level). Students must complete a major program assessment before credit may be received for the course which is the ETS Major Fields Test in Business (post-test).
Prerequisites: ACCT 231, ECON 201, MGMT 201, and MRKT 201 with a grade of “C” or higher.
Co-requisites: Consent of the department chairperson and BSBA senior status.

CHEMISTRY (CHEM)

101  General Chemistry I  4 Hours
Introduction to fundamentals and principles of chemistry including: atomic and molecular structure, measurement, chemical bonding, stoichiometry, states of matter, chemical reactions, kinetic molecular theory, chemical thermodynamics, properties of solutions, chemical equilibrium, electrochemistry, nuclear chemistry, and an introduction to main group, transition metal and organic chemistry. Lecture 3 Hours, Laboratory 3 hours
Prerequisite: ACT Math score of 24 or higher; or SAT Math score of 590 or higher or new SAT Math score of 610 or higher; or MATH 115, or MATH 115L, or MATH 120, or MATH 202, or MATH 207; or consent of the Chairperson of the Science and Mathematics Department.
Corequisites: Any of the math courses listed under prerequisites if none of the prerequisites have been met.

102  General Chemistry II  4 Hours
A continuation of Chemistry 101. Lecture 3 hours, Laboratory 4 hours
Prerequisite: CHEM 101 with a grade of “C” or better; and MATH 115, or MATH 115L, or MATH 120, or MATH 202, or MATH 207 or ACT Math 24 or higher, or SAT Math score of 590 or higher, or new SAT Math score of 610 or higher; or consent of the Chairperson of the Science and Mathematics Department.
293  Techniques of Chemistry  1 Hour
This course serves as the mid-program assessment for the chemistry major. The course evaluates the student’s fundamental knowledge of chemistry, laboratory skills and ability to interpret experimental data. This course includes a service learning component.
Prerequisites: CHEM 102 with a grade of “C” or higher.

301  Organic Chemistry I  4 Hours
The fundamentals of organic chemistry including: nomenclature, physical properties, bonding theories, stereochemistry, mechanisms of reactions, spectroscopy and synthesis. Classes of compounds studied are alkanes, alkenes, alkynes, aromatics, alcohols, thiols, ethers, amines and carbonyl containing compounds.
Prerequisite: CHEM 102 with a grade of “C” or higher. (Required laboratories included)

302  Organic Chemistry II  4 Hours
A continuation of CHEM 301.
Prerequisite: CHEM 301 with a grade of “C” or higher. (Required laboratories included)

307  Inorganic Chemistry  4 Hours
The fundamentals of inorganic chemistry including: theories of chemical bonding, symmetry, acid-base concepts, chemistry of the transition metals and main group elements, reactins and mechanisms, solid state materials, organometallic and bioinorganic chemistry.
Prerequisite: CHEM 102 with a grade of “C” or higher. (Required laboratories included)

321  Analytical Chemistry I  4 Hours
The fundamentals of analytical chemistry including: treatment of experimental data, gravimetric analysis, volumetric analysis, equilibrium, electrochemistry, chromatography, spectroscopy and instrumentation and its use in analysis and structural determinations of elements and molecules. (Required laboratories included)
Prerequisites: CHEM 102 and MATH 115 with a grade of “C” or higher.

322  Analytical Chemistry II  4 Hours
The course is designed to provide students with the theory and background necessary to perform precise and accurate analytical procedures in the laboratory. This is the most significant course in the curriculum in development of laboratory technique and instrumental analysis.
Prerequisite: CHEM 321 with a grade of “C” or higher. (Required laboratories included)

341  Nuclear Chemistry  3 Hours
The fundamentals of nuclear chemistry including: nuclear structure, nuclear forces, radioactive decay modes, kinetics of radioactive decay, radiation detection and measurement, interactions of radiation with matter, and applications of radioactive tracers.
Prerequisites: CHEM 102 and PHYS 202 with a grade of “C” or higher. Cross-listed as PHYS 341.

345  Introductory Physical Chemistry  4 Hours
An introductory course in physical chemistry covering thermodynamics, physical and chemical equilibria, kinetics, quantum chemistry, and spectroscopy.
Prerequisites: CHEM 102, MATH 202 and PHYS 202 with a grade of “C” or higher. Cross-listed as PHYS 345.
280 Course Offerings

380 Biochemistry I 4 Hours
Fundamentals of biochemistry principles including: chemical properties and biological functions of biomolecules (amino acids, carbohydrates, lipids, nucleotides, proteins, and nucleic acids), structure and function of proteins in cell, tissue, organs and organisms, and enzyme mechanism of action. (Required laboratories included)
Prerequisites: BIOL 120 and CHEM 302 with a grade of “C” or higher.

381 Biochemistry II 4 Hours
This course is a continuation of CHEM 380 with an emphasis on cellular metabolic pathways (synthesis and breakdown of biomolecules), energy metabolism, and regulation of DNA replication and gene expression. (Required laboratories included)
Prerequisites: Chemistry 380 with a grade of “C” or higher.

493 Senior Research Seminar 2 Hours
This course is designed to provide senior chemistry majors with the opportunity to research and discuss critical issues in chemistry. Students will gain presentation experiences as well as review various concepts in chemistry. This course also serves as the capstone course for the chemistry program and senior assessment. NOTE: Students must take this course the semester before they plan to graduate.

COMMUNICATION ARTS (CART)

101 Introduction to Public Speaking 3 Hours
An introduction to elements involved in public address. This class is designed to give experience in preparation, presentation and analysis of major types of large group communication. Students will be challenged to think and speak ethically with emphasis on logic, to respect the importance of civility, the special demands on integrity, tolerance, personal/professional rights and responsibilities which accompany this skills oriented course.

200 Survey of Theatre 3 Hours
Study of the theatre, using both a critical point of view and a historical/cultural analysis. The relation of theatre to its surrounding culture will be explored, using scholarship, criticism and documentation derived from relevant dramatic literature. This course is intended to partially fulfill the requirements for a general Humanities core, and may be combined with Survey of Art or Music to create an overview of world arts and culture.

204 Group Discussion 3 Hours
Study of small-group communication as a decision-making, problem-solving tool with emphasis on messages, communicator, climate and leadership.
Prerequisite: CART 101.

210 Introduction to Acting 3 Hours
The basics of realistic performance for the stage. Understanding of major acting techniques, the use of improvisation fully to realize characters, the development of a character biography, and a final performance project are required. A unit on acting for the camera/microphone is included.
Prerequisites: CART 101 and CART 200.

220 Communication Arts Participation 1 Hour
Supervised participation in a project supported by GSC Theatre, Pioneer Media, or other Communication Arts activity. One hour of credit is awarded for a minimum of forty hours in preparation, practice, rehearsal, pre- or post-production, distribution, marketing or management of a activity. One hour repeatable to eight hours.
**Prerequisite:** Permission of instructor.

**223 Design Techniques** 3 Hours
The design/technical side of the performing arts is explored through participation and activity. Scenic, lighting, and costume design and practicum are explored both in theory and practice.

**Prerequisites:** CART 101 and CART 200.

**224 Design Techniques II** 3 Hours
The application and use of design techniques to create moving visual images backed with audio, either presented live or on various recorded media. Skills will be developed in composition, live performance recording, video editing and script revision.

**Prerequisite:** CART 223.

**305 Argumentation and Debate** 3 Hours
Study of fundamentals of debate, demonstrating knowledge of terminology, affirmative and negative duties, and logic and reasoning. Practical application of these skills to be emphasized through study of current controversies and oral classroom debate.

**Prerequisite:** CART 101.

**306 Oral Interpretation** 3 Hours
The art and practice of reading aloud. Oral interpretation will be explored in style, theory and practice. Performance styles such as interpretive events, recorded radio drama, “books on tape” format and readers’ theatre will be used. A final performance will be required, showing significant skill in both development and presentation. Analysis and criticism of oral readings.

**Prerequisite:** CART 101.

**311 Directing** 3 Hours
Examining and demonstrating the art of play direction. Practical experience in choreography, scene study, and readers theatre. Directing of a one-act play for live performance is required as well as adapting the play to a shooting script and directing it for video.

**Prerequisites:** CART 210, CART 223, CART 224, MUSC 209.

**340 Voice and Diction** 3 Hours
The development of the voice as a tool for communication. Emphasis is on vocal clarity, richness, style and dialect reduction. Patterns for articulation and resonance for the microphone will be explored. Understanding of the physical and psychological qualities of the speaking apparatus and their uses to present the personal voice in its best light.

**Prerequisite:** CART 101.

**493 Performance/Production Practicum** 3 Hours
This may include, but not be limited to, the direction or design of a significant piece of performance art; the presentation of a star role; the presentation of a programmed interpretation or an extensively prepared series of debates, or a one-hour feature video or film. A minimum of one hour of performance time will be required. While the project may be a team effort, each student’s role in the performance will be judged separately.

**Prerequisite:** Permission of instructor.
282 Course Offerings

COMPUTER SCIENCE (CSCI)

101 Computing Concepts 3 Hours
This introductory course is designed to present computer literacy concepts as well as the opportunity to learn and perform operations with computer hardware, application software, security software, internet applications and operating system tools. The main objective is to integrate concepts with actual hands-on experience and prepare students to meet technology requirements in the workforce and global economy.
Prerequisites: Keyboarding skills highly recommended.

201 Introduction to Computer Programming 3 Hours
This class will provide the student with a general knowledge of programming techniques.
Prerequisite: CSCI 101.

202 Enterprise Architecture and Security 3 Hours
This course explores the design, selection, implementation and management of enterprise IT solutions. The focus is on applications and infrastructure and their fit with the business. Topics are addressed both within and beyond the organization, with attention paid to managing risk and security within audit and compliance standards. Students also hone their ability to communicate technology architecture strategies concisely to a general business audience.
Prerequisite: CSCI 101.

260 Management Information Systems 3 Hours
Information systems are an integral part of all business activities and careers. This course is designed to introduce students to contemporary information systems and demonstrate how these systems are used throughout global organizations. The focus of this course will be on the key components of information systems – people, software, hardware, data, and communication technologies, and how these components can be integrated and managed to create competitive advantage.
Prerequisite: CSCI 101.

267 Computer Skills for Education 3 Hours
Word processing, spreadsheet and database applications in educational settings will be stressed. Multimedia and Internet applications needed to design web pages; courseware and software-assisted presentations will be integrated, as will basic troubleshooting in stand-alone and network settings.

286 C++ Programming 3 Hours
This course introduces students to the C++ programming language. Students will learn to program in C++ utilizing open source compilers. Topics include data types, input/output, program structure, functions and other related topics.
Prerequisite: CSCI 201 or documented competency.

304 Networking and Security 3 Hours
The course covers theory and practice of networking and securing networks. Students will learn how to design and build networks based on Network+ guidelines, build and secure wireless networks, and how to manage various network services such as Dynamic Host Configuration Protocol (DHCP) and Domain Name System (DNS). Security topics will be discussed and tested throughout the course.
Prerequisite: CSCI 202 or documented competency.

305 Web Design 3 Hours
This course presents introductions to many of the basic concepts, issues and techniques related to designing, developing and deploying Web sites. During the course, students will learn about Web design, HyperText Markup Language (HTML), and Cascading Style Sheets (CSS). Students will learn how to create sites both manually and through the use of Web site development software.
Prerequisite: CSCI 201
Course Offerings

335  Cybercrime Investigation I  3 Hours
Cybercrimes are an emerging problem for law enforcement and computer security personnel. Students in this course will learn different types of computer crimes such as on-line predators, phishing, DDOS, BotNets, and more. This course is designed as an introductory course to familiarize the students with understanding networks, hardware and operating systems and how they can be manipulated.

Prerequisites: CSCI 201 or CSCI 202 or documented competency.  
Cross-listed as CRJU 335

352  Operating Systems Principles  3 Hours
This course covers computer structure, the functions of the operating system, and how application programs interact with the operating system. The students will be exposed to client and server operating systems and learn how to manage via Graphical User Interface (GUI) and command line interfaces.

Prerequisites: CSCI 202 or documented competency

360  Systems Analysis and Design  3 Hours
This course discusses the processes, methods, techniques and tools that organizations use to determine how they should conduct their business, with a particular focus on how computer-based technologies can most effectively contribute to the way business is organized.

Prerequisites: CSCI 201 or CSCI 202 or documented competency

381  Database Management  3 Hours
This course provides the students with an introduction to the core concepts in data and information management. The course will include coverage of basic database administration tasks and key concepts of data quality and data security. In addition to developing database applications, the course helps the students understand how to properly utilize and write structured query language (SQL).

Prerequisites: CSCI 201 or CSCI 202 or documented competency

386  Data Structures  3 Hours
This course provides a rigorous analysis of the design, implementation, and properties of data structures. Students will cover: order notation and time-space analysis and tradeoffs in a list, tree and graph algorithms, and hashing. This course will survey library implementations of basic data structures in a high-level language. Advanced data structure implementations are studied in detail. This course will cover data structures based on the language in CSCI 286.

Prerequisite: CSCI 286

405  Web Application Development  3 Hours
This course will pick up on the techniques covered in CSCI 305. The topics covered in this course will include the server side programming of web sites. Students will learn to program pages with server side languages and connect to databases. Students will learn to manage and maintain web servers and how to properly implement security measures to prevent illegal data access and web site exploitation.

Prerequisites: CSCI 305

435  Cybercrime Investigation II  3 Hours
This course is designed to extend the knowledge of Cybercrime I. The course will advance the students’ knowledge of networking security, data and digital forensics, mobile device forensics and data encryption. This is an advanced course where the content is focused more on data extraction and the legal ramifications of such.

Prerequisite: CSCI 335.  
Cross-listed as CRJU 435.

490  Computer Science Project  3 Hours
This course is designed to allow the student with knowledge in various programming or systems analysis techniques, the opportunity of applying that knowledge towards a complete computer science project.

Prerequisite: Graduating senior status.
### CRIMINAL JUSTICE (CRJU)

#### 105 Interviewing and Report Writing 3 Hours
This course is designed to introduce and improve writing skills that will enable a student to write an effective and clear report. It will help them understand common flaws that supervisors are looking for and the importance that the report has on the entire criminal justice process. A general introduction to interpersonal communication skills and techniques, active listening, strength-based approach to interviewing. Students will apply key skills, building on individual natural style, into in-class and out-of-class interviews.

#### 111 Introduction to Criminal Justice System 3 Hours
The student will explore the challenges of crime and justice in American Society. Development of a significant understanding of the roles of the criminal justice actors (from law enforcement to corrections) is emphasized. Further analyses will reveal the interdependent relationships, controls placed on the criminal justice actors and societal influences upon the distribution of justice.

#### 120 Cross-Gender Supervision 1 Hour
The course is designed to provide the student with a basic understanding of the privacy rights of incarcerated persons. It also explores the legal, political, social and economic issues surrounding cross-gender supervision in America’s jails, prisons, juvenile detention centers, local holding facilities, and non-custodial supervision situations, such as probation, parole and day reporting. The course also addresses the issues associated with improper behavior by staff, and the legal repercussions for such behavior.

#### 215 Crime Scene Management 3 Hours
In this class students will apply the skills and knowledge of principles of basic criminal investigation. Student will receive hands on practical training in the methodology of crime scene processing, evidence identification and collection, awareness exercises, basic questioning, and investigative report writing. In addition, students will receive partial working knowledge of how evidence can be processed for court.  
**Prerequisite:** CRJU 111, CRJU 105 (or) SOCL 105.

#### 222 Police Practices and Procedures 3 Hours
This course will examine Police Practices and Procedures and Police functions as performed in the United States including nature, responsibilities, traditional procedures; and interrelationship of various police divisions. 
**Prerequisite:** CRJU 111 or taken concurrently.

#### 223 Corrections 3 Hours
Corrections is a major component of the criminal justice system. In this course the historical, legal and philosophical systemic nature of correctional intervention is examined. This is accomplished by focusing on the roles of the judiciary, law enforcement and adult correctional agencies. 
**Prerequisites:** CRJU 111.

#### 231 Community Oriented Policing 3 Hours
The student will analyze the Community Oriented Policing philosophy, specifically focusing on strategic policing, neighborhood policing and problem-oriented policing. Course focus will also include community relations, specifically covering race relations and gender issues. 
**Prerequisites:** CRJU 111, CRJU 222.
### Course Offerings

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**Criminal Evidence and Procedures**

This course serves as the gateway course for all criminal justice majors. The laws of criminal evidence and procedures are studied through the examination of the rules governing the classification and admissibility of evidence. Exceptions regarding introduction, classification, and acceptance of legal evidence in the criminal court process are also detailed.

*Prerequisite:* CRJU 111.

**Probation and Parole**

This course is an investigation of historical and current community-based correctional practices. Learners examine trends in practice and policy that govern community supervision programs and explore issues surrounding offender rehabilitation and re-entry.

*Prerequisites:* CRJU 111.

**Juvenile Justice System**

The social and historical philosophy of children in the legal system will be investigated. Focus is placed on the special legal status of the juvenile protective services, the juvenile and family court movement and the child’s relationship to the state. In addition, certain non-criminal situations, the origination of delinquency and precedent setting cases will be highlighted.

*Prerequisites:* CRJU 111.

**Criminal Justice Management**

Principles of management and administration as practiced in public criminal justice organizations.

*Prerequisites:* CRJU 111, CRJU 223, CRJU 232.

**Organized Crime**

This course will examine the history and development of organized crime across cultures. It will also explore the effects on communities, the government, the legal system, and the individual; as well as methods of combating organized crime.

*Prerequisites:* CRJU 111, CRJU 222, CRJU 232.

**Fingerprints & Latent Collection**

This course is designed to give students an overview of the understanding, importance, how to locate, collect and the preservation of fingerprint evidence. Students will learn location and collection procedures of fingerprint evidence.

*Prerequisites:* CRJU 111, CRJU 215.

**Firearms & Ballistics**

This course is designed to give students an in-depth understanding of the importance ballistics & firearm evidence plays in the criminal justice field. The students will learn identification, collection, processing and recovery of firearm and ballistics evidence.

**Criminal Law**

This course will introduce students to the criminal law and the historical and philosophical rationales behind our laws in America. The student will encounter various classification schema, identify the elements of and defenses to specific crimes.

*Prerequisites:* CRJU 111, CRJU 232.

**Comparative Criminal Justice Systems**

This course will enable the student to understand and analyze various criminal justice systems around the world. The emphasis will be on police, courts and corrections in multiple countries.

*Prerequisites:* CRJU 111.  

*Offered on a limited basis*
286 Course Offerings

325 Women and the Criminal Justice System 3 Hours
This course is designed to give students an understanding of the role that women play in the criminal justice system. The students will learn the history, issues and the integration of women in all aspects of the criminal justice system.
Prerequisite: CRJU 111.

335 Cyber Crime Investigation I 3 Hours
Cyber Crimes are an emerging problem for law enforcement. Students in this course will learn the basics of different types of computer crimes such as on-line predators, phishing, DDOS, BotNets, and more. This course is designed is an introductory course to familiarize the students to understanding networks and the simple workings of computers and how they can be manipulated.
Prerequisites: CRJU 111, CRJU 215.
Cross-listed as CSCI 335

340 Advanced Issues in Evidence 3 Hours
This course is designed to give students an in-depth understanding of the law of evidence, particularly as it relates to the criminal trial. Students will learn to analyze and present different types of evidence along with the legal issues associated with each type of evidence.
Prerequisites: CRJU 111, CRJU 232.
Per Mark Mills 11/3/16

401 Ethics in Criminal Justice 3 Hours
Theories and practices in the areas of legality, morality, values and ethics in the criminal justice system.
Prerequisites: CRJU 111, CRJU 222, CRJU 223, CRJU 321.

402 Death Investigations 3 Hours
This course is designed to give students an in-depth understanding of homicide and unnatural death investigations. The students will learn causation, processing, applicable laws and procedures as it relates to criminal homicides and unnatural deaths.
Prerequisites: CRJU 111, CRJU 215.

403 Criminal Profiling 3 Hours
This course is designed to give students an understanding of the role that the criminal profiler plays in the criminal justice system. The students will background, theories and techniques that are used in criminal profiling and how it relates to the criminal behavior.
Prerequisites: CRJU 111, PSYC 201 or SOCL 205.

405 Advanced Interviewing and Interrogation 3 Hours
This course is meant to add to the basic skills offered in Sociology 105. Specific interviewing and interrogation tools and skills will be introduced and practiced through role play. There will be an emphasis on the Fourth, Fifth, Sixth and Eighth Amendments, as it directly relates to the distinct differences between the concept of witness interviews and suspect interrogations. Ethical issues will be emphasized.
Prerequisites: CRJU 111, CRJU 105 (or) SOCL 105, CRJU 222, CRJU 232.

415 Civil Liability Issues in Criminal Justice 3 Hours
This course addresses the evolution and restriction of prisoner rights, custodial rights, civil liability and Section 1983 actions for violations of constitutional rights, excessive force claims, failure to train, failure to screen, deliberate indifference, medical care, civil liability and the use of force, civil liability for claims of failure to protect and for in police custody, prison conditions, liability and wrongful custodial deaths, liability issues surrounding searches and seizure issues and segregation, supervisor liability, and civil liability and the impact on corrections and law enforcement. Actions undertaken under the color of state law will be examined with scrutiny.
Prerequisites: CRJU 111, CRJU 223, CRJU 232.
Course Offerings

425  Homeland Security  3 Hours
This course provides both traditional students and current practitioners with a broad overview and assessment of the contemporary homeland security program. Participants will receive an in-depth overview of terrorism, both domestic and international. The course will focus on the causes and motives that drive terrorists, their methods of operation, and the impact of terrorism on the United States and abroad.

**Prerequisites:** CRJU 111, CRJU 222, CRJU 231, CRJU 232.

435  Cyber Crime Investigation II  3 Hours
This course is designed to extend the knowledge of Cyber Crime I. The course will advance the student’s knowledge of networking security, data, and digital forensics, mobile device forensics, and data encryption. This is an advanced course where the content is focused more on data extraction and the legal ramifications of such.

**Prerequisite:** CRJU 335.

**Cross-listed as CSCI 435**

445  Advanced Crime Scene Management  3 Hours
Advanced crime scene management takes the student from the crime scene to the lab incorporating the use of evidence analysis in more detail. Students will have more hands-on experience on Ballistics and the shooting reconstruction. Trace analysis such as refractive index and hair evidence will be completed. Blood splatter analysis will be explored in detail to understand how important and how this evidence can complete a story.

**Prerequisites:** CRJU 105 (or) SOCL 105, CRJU 111, CRJU 232.

493  Seminar in Criminal Justice  3 Hours
This course is designed to help students explore careers in criminal justice. There is a focus on career planning strategies along with pursuing future employment in the field of criminal justice.

**Prerequisites:** Completion of at least 45 hours of criminal justice courses, including 12 hours in both selected concentrations.

**ECONOMICS (ECON)**

201  Principles of Microeconomics  3 Hours
A survey of principles of microeconomics emphasizing the influence on human behavior and the determination of prices and incomes in a market economy.

202  Principles of Macroeconomics  3 Hours
A survey of principles of macroeconomics emphasizing the determinants of a nation’s aggregate economic performance; the causes of fluctuations in output, prices and employment and economic stabilization policy.

420  The Financial System and Economy  3 Hours
This course is a study of the role of interest rates and money in the economy and the use of monetary policy to achieve economic stability and growth. A survey of financial instruments and their markets is presented along with an examination of various financial institutions and their functions with a special emphasis given to the banking entity.

**Prerequisite:** ECON 202
288 Course Offerings

EDUCATION (EDUC)

203 Foundations of Education 2 Hours
A survey of the historical, philosophical, social, legal, and economic foundations which have influenced and continue to shape American education along with an introduction to current planning, instructional, and classroom management strategies. This course includes a service learning component.
Co-requisite: 10 clock credits of guided observation focusing on the role of the teacher in a public school.

205 Educational Psychology 3 Hours
Course provides an overview of the physical, intellectual, emotional, and social growth and development of children from prenatal through adolescent periods and the analysis of the types of learning theories, their characteristics, and relationship to the role and function of the classroom teacher. This course includes a service learning component.
Prerequisite: EDUC 203 must be completed with a grade of “C” or higher. Must attempt PRAXIS I before taking this course.
Co-requisite: 20 hours field experience.

207 Cultural Diversity and Exceptionalities in Early Education 2 Hours
An introduction into the needs of the culturally diverse or exceptional child in the preschool setting. Methods of addressing the individualized needs of the children in a developmentally appropriate fashion.
Co-requisite: Guided field experience of young children in a public school preschool or kindergarten or an approved day care or Headstart setting. 10 hours required.

213 Early Childhood Development 3 Hours
The identification and analysis of development in young children - birth through age 8. Current research, appropriate curriculum and exceptionalities will be discussed.
Co-requisite: Guided field experience of young children in a public preschool or kindergarten or an approved day care or Headstart setting. 10 hours required.

218 Introduction to Early Education 3 Hours
Overview of current practices, problems and issues. Brief identification and analysis of basic philosophical, sociological and historical foundations of Early Education.
Prerequisites: EDUC 203 and EDUC 205.
Co-requisite: Guided field experience of young children in a public preschool or kindergarten or an approved day care or Headstart setting. 10 hours required.

309 General Music Methods and Materials 2 Hours
Methods, materials, and curriculum for general music programs (PreK-Adult). Arranged practicum in local public schools. For music education majors.
Prerequisites: Admission to Teacher Education.

310 Classroom Management and Teaching Strategies 2 Hours
Requires analysis and application of various management plans and designs. Teacher candidates are required to complete instructional planning as well as plan for the implementation of effective management strategies. Teacher candidates must demonstrate ability to utilize technology and problem solving strategies for instruction. This course includes a service learning component.
Prerequisite: Admission to Teacher Education.
Co-requisite: Observation in public schools.
319  Organization and Administration of Early Education Programs (Pre K-K)  3 Hours
Examination of the development and operation of an Early Education program. State and federal guidelines and requirements as well as administrative duties, setting up the classroom environment, selection and evaluation of preschool materials, and staff evaluation will be emphasized.
**Prerequisites:** EDUC 207, EDUC 213, EDUC 218 and Admission to Teacher Education.
**Co-requisite:** Guided field experience of young children in a public preschool or kindergarten or an approved day care or Headstart setting. 10 hours required.

320  Assessment of Young Children  2 Hours
A study of informal and formal methods of evaluating young children. Students will observe and record development and behavior of children with the use of screening tools and published tests to determine ability levels, progress, and possible learning difficulties. Included will be on-site observations in an approved preschool or kindergarten setting.
**Prerequisites:** EDUC 207, EDUC 213, EDUC 218 and Admission to Teacher Education.
**Co-requisite:** Guided field experience of young children in a public preschool or kindergarten or an approved day care or Headstart setting. 10 hours required.

321  Early Education Curriculum, Methods, and Materials  4 Hours
The development of curriculum for young children. Planning, implementing, and evaluating curricula. Appropriate methods and materials for Early Education. Includes program management and school-parent-community relations.
**Prerequisites:** EDUC 207, EDUC 213, EDUC 218, and Admission to Teacher Education.
**Co-requisite:** Guided field experience of young children in a public preschool or kindergarten or an approved day care or Headstart setting. 20 hours required. Final course taken in the Early Education Program.

329  Instrumental Music Methods and Materials  2 Hours
Methods, materials, curriculum, and administration for instrumental music programs (PreK-Adult). Arranged practicum in local public schools. For music education majors.
**Prerequisites:** Admission to Teacher Education and completion or concurrent enrollment in 100 and 200 level music courses.

341  Teaching Business & Marketing in Middle & Adolescent Education (5-Adult)  3 Hours
This course will emphasize methods of planning, instruction, and evaluation. Also, emphasized will be the use of commercial and teacher-produced media, selection of content materials appropriate for achieving objectives at the student’s developmental level and the effective utilization of technology in the delivery of content. Must be completed prior to Student Internship Semester.
**Prerequisite:** Admission to Teacher Education.
**Co-requisites:** 15 hour field experience in a public school business and/or marketing education setting.

342  Teaching English in Middle and Adolescent Education (5-Adult)  3 Hours
Methods of planning, instruction and evaluation; use of commercial and teacher produced media; selection of content materials appropriate for achieving objectives at student’s developmental level. Must be completed prior to Student Internship Semester.
**Prerequisite:** Admission to Teacher Education.

343  Teaching Mathematics in Middle and Adolescent Education (5-Adult)  3 Hours
Methods of planning, instruction, and evaluation; use of commercial and teacher-produced media; selection of content materials appropriate for achieving objectives at student’s developmental level. Must be completed prior to Student Internship Semester.
**Prerequisite:** Admission to Teacher Education.
290  Course Offerings

345  Teaching Science in Middle and Adolescent Education (5-Adult)  3 Hours
Methods of planning, instruction, and evaluation; use of commercial and teacher-produced media; selection of content materials appropriate for achieving objectives at student’s developmental level. Must be completed prior to Student Internship Semester.
Prerequisite: Admission to Teacher Education, must be completed prior to Student Internship Semester.

346  Teaching Social Studies in Middle and Adolescent Education (5-Adult)  3 Hours
Methods of planning, instruction, and evaluation; use of commercial and teacher-produced media; selection of content materials appropriate for achieving objectives at student’s developmental level.
Prerequisite: Admission to Teacher Education.

349  Teaching Music in Adolescent Education (9-Adult)  2 Hours
Music administration and supervision; methods of planning and instruction for adolescent music education, performance and non-performance music classes.
Prerequisites: Admission to Teacher Education and completion of or concurrent enrollment in required 100 and 200 level music courses.

351  Teaching Health and Physical Education in Middle and Secondary Schools  3 Hours
This course is designed to help students develop an awareness of planning and organizing health education and physical education programs. Emphasis will be placed on instructional and curricular design, management of health education and physical education programs, and technological applications.
Prerequisites: Admission to Teacher Education and successful completion with a grade of “C” or higher in EDUC 310, HLTH 232, HLTH 321, HLTH 341, PED 121, PED 136, PED 327, PED 332 and PED 333.
Co-requisite: 20 hour field experience.

352  Foreign Language Teaching Methods: Spanish  3 Hours
This course will examine the major trends in foreign language teaching methods from the past one hundred years. The purpose is not simply to review history but for teacher candidates to draw the best techniques and approaches from each teaching method. Parts of the course will be conducted like a seminar in which teacher candidates will discuss the details of each teaching method; other class periods will be devoted to demonstrations of each method in order for teacher candidates to experience the techniques so that they can analyze and judge them. Teacher candidates will also conduct 15 hours of “field experience” observing actual public school classrooms. There will be a lot of theoretical works to read and discuss, but this is a fun course, full of interactive activities.
Prerequisite: Admission to Teacher Education
Co-requisite: 15 hour field experience

411  Curriculum and Assessment: Elementary  2 Hours
At the elementary level an analysis and application of various teaching strategies for instructional effectiveness; lesson and unit planning, and implementation; accessing resources; developing and implementing instructional materials; assessment of instruction; development of skills necessary for effective interpersonal professional relationships. This course includes a service learning component.
Prerequisites: Admission to Teacher Education and successful completion of EDUC 310 and SPED 220. Teacher candidates enroll in this course the semester immediately preceding the Internship semester. Co-requisites: Successful completion of 40 clock hour field practicum.
412  **Curriculum and Assessment: Content (5-Adult)**  2 Hours
At the secondary level an analysis and application of various teaching strategies for instructional effectiveness; lesson planning and implementation and unit planning; accessing resources; developing and implementing instructional materials; assessment of instruction; development of skills necessary for effective interpersonal professional relationships. This course includes a service learning component. 
**Prerequisites:** Admission to Teacher Education and successful completion of EDUC 310 and SPED 220. Teacher candidates enroll in this course the semester immediately preceding the Internship semester. **Corequisites:** Successful completion of 40 clock hour field practicum.

450  **Student Internship - Early Education (PreK-K)**  3-8 Hours
Full-time classroom observation and teaching in prekindergarten or kindergarten under the direct supervision of public school and college personnel. 
**Prerequisite:** Admission to Student Internship.

451  **Student Internship - Elementary (K-4)**  3-8 Hours
Full-time classroom observation and teaching in early childhood under the direct supervision of public school and college personnel. 
**Prerequisite:** Admission to Student Internship.

452  **Student Internship - Elementary (5-6)**  3-8 Hours
Full-time classroom observation and teaching in middle childhood under the direct supervision of public school and college personnel. 
**Prerequisite:** Admission to Student Internship.

453  **Student Internship - Content (K-4)**  3-8 Hours
Full-time classroom observation and teaching in content specialization at the early childhood level (K-4) under the direct supervision of public school and college personnel. 
**Prerequisite:** Admission to Student Internship.

454  **Student Internship - Content (5-9)**  3-12 Hours
Full-time classroom observation and teaching in content specialization at the middle childhood level (5-9) under the direct supervision of public school and college personnel. 
**Prerequisite:** Admission to Student Internship.

455  **Student Internship - Content (9-Adult)**  3-12 Hours
Full-time classroom observation and teaching in content specialization at the adolescent level (9-Adult) under the direct supervision of public school and college personnel. 
**Prerequisite:** Admission to Student Internship.

465  **Student Internship – Multi-Categorical Special Education (K-6)**  2-12 Hours
Full-time classroom observation and teaching in multi-categorical special education under the direct supervision of public school and college personnel. 
**Prerequisite:** Admission to Student Internship.

493  **Capstone Assessment**  1 Hour
Candidate must present an oral, videotaped interview documenting mastery of INTASC and Content Standards. Candidate must provide artifacts in the electronic portfolio which validate mastery. 
**Prerequisite:** Completion of Internship.
ENGLISH (ENGL)

101  Critical Reading and Writing I  3 Hours
This is the first college English class that students will encounter. Critical thinking, reading, and writing are emphasized. Also, the process of writing—which encompasses thinking, reading, planning, drafting, critiquing, listening and revising—will be studied. There will be extensive writing practice in exposition and an introduction to argumentation with a focus on the writing process. The emphasis will be on developing complete essays that meet accepted standards of grammar, usage, punctuation and spelling. A research paper incorporating MLA documentation is required. In order to meet the English Proficiency requirement, this course must be completed with a grade of “C” or higher.

Prerequisites: One of the following minimum scores: ACT English 18, or SAT English 450 or new SAT 480, or new SAT Writing and Language test 25, or COMPASS® 71, or an achievement level 3 on the English/Language Arts portion of the West Virginia General Summative Assessment.

101L  Critical Reading and Writing I with Lab  3 Hours
This course meets for three class hours each week with an additional required one-hour lab session per week to strengthen writing skills. Critical thinking, reading, and writing are emphasized. The process of writing, which encompasses thinking, reading, planning, drafting, critiquing, listening and revising, will be studied. There will be extensive writing practice in exposition and an introduction to argumentation with a focus on the writing process. A research paper incorporating MLA documentation is required. In order to meet the English Proficiency requirement, this course must be completed with a grade of “C” or higher.

102  Critical Reading and Writing II: The American Mosaic  3 Hours
A writing about literature course focusing on analysis of selected drama, poetry, and short fiction representative of the minority experience and gender conflict in America. The course emphasizes writings by African-American, Hispanic, Asian-American, Native-American, and women authors. A research paper requiring MLA documentation is required. In order to meet the English Proficiency requirement, this course must be completed with a grade of “C” or higher.

203  Survey of English Literature I  3 Hours
Study of selected works by major British authors from the Old English period through the eighteenth century.

Prerequisites: Grades of “C” or higher in ENGL 101 and ENGL 102.

204  Survey of English Literature II  3 Hours
A survey of selected works by major British authors in the nineteenth and twentieth centuries.

Prerequisites: Grades of “C” or higher in ENGL 101 and ENGL 102.

205  Survey of American Literature I  3 Hours
Survey of poetry, essays, novels, and short stories from the Colonial Period through the close of the American Renaissance in 1865.

Prerequisites: Grades of “C” or higher in ENGL 101 and ENGL 102.

206  Survey of American Literature II  3 Hours
Study of selected works by major American authors from 1865 to the present.

Prerequisites: Grades of “C” or higher in ENGL 101 and ENGL 102.

255  Teaching Assistant – English  1 Hour
This course is designed for the English Education and BA-English major to learn peer tutoring theories and practices.

Prerequisites: English 101 with a grade of “B” or higher and the permission of the instructor of record.
293 Introduction to Literature and Criticism 3 Hours
This course focuses on the traditional canon of English and American literature and introduces the standard literary techniques, genre, and literary theories. This course includes a service learning component.
Prerequisite: Grades of “C” or higher in ENGL 101 and ENGL 102.

307 World Literature I 3 Hours
Study of selected writers representing major world cultures from their literary beginnings to 1650.
Prerequisites: ENGL 101, ENGL 102, and ENGL 293 with a grade of “C” or higher.

308 World Literature II 3 Hours
Study of selected writers representing major world cultures from 1650, the early modern period, to the present day.
Prerequisites: ENGL 101, ENGL 102 and ENGL 293 with a grade of “C” or higher.

320 Backgrounds and Practices in Reading Children’s Literature 3 Hours
Introduction to various types of literature for children - traditional literature, fantasy, contemporary realistic fiction, historical fiction, biography, and international books. Evaluation of children’s books, effective oral reading, and techniques of using books and materials are emphasized.
Prerequisites: Grades of “C” or higher in ENGL 101 and ENGL 102.

322 Adolescent Literature 3 Hours
Introduction to the wide range of adolescent literature, with emphasis on the special reading interests of adolescents. Focus on in-depth literary analysis, selection criteria, diversity and multicultural awareness, and classroom applications for the young adult reader.
Prerequisites: ENGL 101, ENGL 102 and ENGL 293.

331 The American Novel 3 Hours
Study of representative novels by American authors, with emphasis on the development of the novel as a literary form.
Prerequisites: ENGL 101, ENGL 102 and ENGL 293.

332 The British Novel to 1900 3 Hours
Study of representative novels by British authors of the eighteenth and nineteenth centuries with emphasis on the times they reflect and the development of the novel as a literary form.
Prerequisites: ENGL 101, ENGL 102 and ENGL 293.

333 The Modern Novel 3 Hours
Analytical and critical study of the evolution of the novel as both an art form and a testament to the human condition throughout the twentieth century.
Prerequisites: ENGL 101 ENGL 102, and ENGL 293.

335 Introduction to Film 3 Hours
Study of film as an art form with emphasis on the film-making process and film viewing experience.
Prerequisites: ENGL 101, ENGL 102 and ENGL 293.

390 Women’s Literature 3 Hours
The analysis of selected literature by and about women from varied cultures. This course studies representative works within various genres, including both fiction and non-fiction.
Prerequisites: ENGL 101, ENGL 102 and ENGL 293.
294 Course Offerings

392 Advanced Grammar and Writing 3 Hours
Advanced study of English grammar with special emphasis on the practical application of grammar to various writing strategies and methodologies.
Prerequisites: ENGL 101, ENGL 102, and ENGL 293.

395 The English Language 3 Hours
An introduction to the historical, psycholinguistic, and sociolinguistic dimensions of the English language, with special emphasis on the relevance of linguistic issues to the middle or secondary school classroom. This course includes a service learning component.
Prerequisites: ENGL 101, ENGL 102, and ENGL 293.

399 Special Topics and Problems in Literature or Language 3 Hours
Specialized study of an individual literary author, period, movement, problem or genre.
Prerequisites: ENGL 101, ENGL 102, and ENGL 293. May be repeated for credit. May not be substituted for ENGL 493.

401 Shakespeare 3 Hours
Study of representative Shakespearean histories, comedies, tragedies, and romances, within the context of the English Renaissance.
Prerequisites: ENGL 101, ENGL 102 and ENGL 293.

404 Modern Drama 3 Hours
A consideration of the development of drama from Ibsen to the present with emphasis on drama as both literary and performing art.
Prerequisites: ENGL 101, ENGL 102 and ENGL 293.

412 Creative Writing 3 Hours
Practice in and study of writing techniques, culminating in the composition of an original poem, short story and dramatic sketch.
Prerequisites: ENGL 101, ENGL 102, and ENGL 293.

420 Modern Poetry 3 Hours
Study of the works of representative British and American poets of the twentieth century.
Prerequisites: ENGL 101, ENGL 102, and ENGL 293

430 Chaucer 3 Hours
A study of Chaucer’s major works with an emphasis on the development of the English language.
Prerequisites: ENGL 101, ENGL 102, and ENGL 293.

493 Seminar in Literature 3 Hours
Intensive study of a major theme, movement, period, genre, or figure.
Prerequisites: ENGL 101, ENGL 102, and ENGL 293 and nine additional English credits.

ENVIRONMENTAL SCIENCE (ENVR)

101 Environmental Science 4 Hours
Man and the environment, including man’s approach to conserving resources and mitigating environmental impacts. Air, water, soils, mineral and energy resources, vegetation, wildlife, waste disposal, and sustainability will be addressed.
(Required laboratories included)
193  Solid Waste Management  3 Hours
Solid waste management in the USA, including waste minimization, recycling, collection, processing, and disposal techniques for municipal and industrial wastes. Hazardous, mixed, and radioactive wastes are included. This course serves as the mid-point assessment for majors. This course includes a service learning component. *(Required laboratories included)*

255  Health and Safety  3 Hours
Issues to be addressed will include environmental health and safety in the workplace and on environmental sites, including OSHA industrial safety and HAZWOPER components. Internet resources are incorporated into the class.

351  Soils and Land Reclamation  3 Hours
This course integrates and applies the sciences of soils, geology, hydrology, and biology to land disturbances in the context of surfacing mining and reclamation.
*Prerequisites:* MATH 115—College Algebra, or consent of department chairperson.

352  Air/Water/Soil Quality  4 Hours
Air, water, and soil quality as related to human health and the environment, including a review of various approaches to describing natural and impacted conditions. Field exercises, including related planning, quality assurance, safety, and sample handling will be completed.
*Prerequisites:* BIOL 121 or ENVR 101, and CSCI 101 or consent of department chairperson.

393  Environmental Compliance  3 Hours
Environmental laws and regulations with an emphasis on air, water, waste, resource extraction, and NEPA. NEPA compliance is used to illustrate ties between various components. References and information sources useable in the future are stressed.
*Prerequisites:* BIOL 121 or ENVR 101.

**EXERCISE SCIENCE (EXSC)**

375  Strength and Conditioning Leadership  3 Hours
This course will provide the student with skills and experience in exercise leadership. The student will learn how to lead resistance training, flexibility training, and cardiovascular training sessions involving a variety of exercise modes, and group exercise, such as yoga and aerobic conditioning classes.
*Prerequisites:* BIOL 309 or HLTH 331.

455  Psychology of Exercise and Human Performance  3 Hours
This course will explore selected theories and concepts of psychology as they relate to fitness, sport and human performance. Topics will include motivation, anxiety, behavior modification, arousal, communication, feedback and leadership, particularly in relation to optimal performance.
*Prerequisites:* PSYC 201.

465  Human Performance Testing  3 Hours
This course provides, through theory-based lecture and hands-on laboratory experiences, an exploration of evidence-based practices for exercise testing and prescription for normal and special populations. Emphasis is placed on appropriate experimental design and equipment necessary to evaluate the various metabolic, cardiovascular and respiratory adjustments during work. Topics to be covered will include: metabolic, cardiovascular and pulmonary testing, anthropometry, EKG analysis and muscular strength/power/flexibility testing. Additionally, current guidelines by the American College of Sports Medicine regarding exercise prescription for healthy and special populations will be reviewed.
*Prerequisites:* BIOL 309, BIOL 310 and PED 421. *(Required laboratories included)*
Course Offerings

Practicum 3-12 Hours
This course is designed to provide students with professional work experience and thereby integrate course theory, methodologies, training, and administration techniques. Students will have the opportunity to work under the direction of a site supervisor in a professional work setting. EXSC 493 may be repeated for credit up to a maximum of 12 credit hours. Students are expected to develop specific personal learning objectives consistent with their majors and their intended career goals.

Prerequisites: Senior standing and completion of at least 90 credit hours or consent of department chairperson.

FINANCE (FINC)

Business Finance 3 Hours
This course is the study of the art and science of managing money for a business. Emphasis is placed on making the optimal financial decisions involving cash budgeting, capital budgeting, capital structure, and the management of current assets and liabilities.

Prerequisites: ACCT 231, BUSN 230, or consent of department chairperson.

Risk Management and Insurance 3 Hours
A study of the principles and major characteristics of life, health, fire, casualty and marine insurance contracts, from the perspective of both the individual and the business person. Also emphasized are multi-peril contracts, as well as the economic implications of insurance ownership.

FINE ARTS (FNAR)

Introduction to Fine Arts 3 Hours
The course will feature an integrated appreciation approach to the study of visual art and music as well as other arts where appropriate.

FOREST TECHNOLOGY (FRST)

Forest Measurements I 3 Hours
Timber volume estimation covering round wood products scaling and grading in addition to forest sampling techniques, data analysis, and technical report writing. (Required laboratories included)

Pre-requisite: MATH 115 or currently enrolled.

Dendrology I 1 Hour
A study of the woody plants of North America with emphasis on identification characteristics, natural range, growth characteristics and ecological factors affecting growth.

Co-requisites: FRST 109 – Dendrology II (Lab)

Dendrology II 1 Hour
Field identification of woody plants with an emphasis on foliage, bud, and bark characteristics. Class format: one three-hour lab per week.

Dendrology III 1 Hour
Winter identification of wood plants.

Prerequisite: FRST 109
Course Offerings

193  
Forest Measurements II  
3 Hours
The study of basic statistics applied to forest measurements and sampling design, volume table construction, timber cruising, growth prediction, and technical report writing. This course serves as the mid-point assessment of degree completion.  
(Required laboratories included)

202  
Forest Recreation and Wildlife Management  
3 Hours
Survey of the use of forest and other land resources for recreation and wildlife uses including site and area land-use planning and specific management practices.  
(Required laboratories included)

203  
Forest Entomology and Pathology  
3 Hours
Introduction to forest entomology and forest pathology with emphasis on regionally important pests. Identification, biology, ecology, and management of diseases and insect pests of forest tree species.

205  
Wood Products, Processing and Marketing  
2 Hours
The study of the conversion of standing timber to wood products, processing methods, marketing, wood identification and lumber grading.

206  
Timber Harvest Planning and Systems  
3 Hours
A study of harvesting systems, and harvest planning, log road planning and management methods.  
(Required laboratories included)
Prerequisites: FRST 110, FRST 193, FRST 209, LAND 121 or consent of department chairperson

209  
Silviculture/Vegetation Management  
4 Hours
The application of site preparation, tree planting, pruning timber stand improvement practices, and regeneration harvest cuts to improve various forest cover types for the benefit of forest landowners and persons that use forest land for wildlife, recreation, water, forage, and timber resources. Class format: two 50-minute lectures and two 3-hour labs per week.  
Prerequisites: FRST 193 and BIOL 110 or consent of department chairperson.

212  
Timber Harvesting Techniques  
2 Hours
Introduction to the use of equipment in timber harvesting on an actual field operation including use, safety, and maintenance of the harvesting equipment. This course includes a service learning component.  
Prerequisites: FRST 109 or FRST 110, FRST 193, LAND 121 or consent of department chairperson.

214  
Fire Protection  
2 Hours
Basic course in wildfire control including prevention and suppression aspects in addition to the development of a fire plan for a local area.  
(Required laboratories included)

216  
Wood Identification  
1 Hour
An introductory course in wood identification of forest trees. One three hour laboratory per week.

293  
Forest Management  
3 Hours
An introduction to multiple-use forest management, dominant use, interest concepts, finance, valuation and taxation. This is the capstone course and includes the final assessment project, a complete “Forest Stewardship Plan,” which must be passed with a “C” or higher. This course includes a service learning component.  
(Required laboratories included)
Prerequisites: FRST 110, FRST 193, FRST 209, LAND 121.
Course Offerings

GEOGRAPHY (GEOG)

203  World Regional Geography  3 Hours
A survey course covering such geographical sub-disciplines as topography, climate, cultures, vegetation, population, and ecology of the various world regions. Emphasis is placed on the spatial interaction between developed and underdeveloped regions through a global political economy framework.

204  Physical Geography  3 Hours
An introduction to the various global environmental systems on the earth’s surface (the atmosphere, hydrosphere and biosphere) and an examination of human interaction with these natural processes.

GLENVILLE STATE COLLEGE (GSC)

100  The First-Year Experience  1 Hour
The First-Year Experience is a course taken by all degree seeking students during their first semester at Glenville State College. This course is designed to provide students with the skills necessary to make a smooth transition to the diverse academic, intellectual, and social culture of college life.

This requirement is in addition to graduation and degree requirements stated in other sections of the Catalog. GSC 100 may be used to satisfy one hour of the General Electives requirements listed in a specific degree program. If this is not possible, then the minimum total hours required for a specific degree program may be one hour more than stated in the Catalog for that specific program. A student is exempt from this requirement if they meet one of the following conditions.
- They are 21 years of age or older at the time of initial enrollment at the College as a degree seeking student.
- Transfer student who has completed 24 or more credit hours of college level courses at an accredited institution with a cumulative grade point average of at least 2.0 on a 4.0 scale.

110/111, 210/211, 310/311, 410/411  Public School Mentoring  1 Hour
Glenville State College partners with Glenville Elementary School to offer a mentoring program to the school’s fourth, fifth, and sixth graders. The program aims to empower youth to make positive life choices and maximize their potential. As a mentor, students provide support and guidance to the youth at Glenville Elementary.
Prerequisite: Instructor approval required.

212  Peer Tutoring Strategies  2 Hours
This course emphasizes tutoring pedagogy, including general interpersonal communication strategies, and strategies for tutoring a diverse campus population. The enrollment for this course is limited to those students who wish to work as peer tutors.
Prerequisites: Contingent upon employment in the Academic Support Center

HEALTH (HLTH)

102  Introduction to Health Promotion  3 Hours
This course covers the theoretical frameworks of health promotion and practical approaches to healthy behaviors. Factors shaping the past and present field of health promotion are discussed. Specific areas of contemporary health concern receive focus nutrition, physical activity, sexual health, oral health, substance abuse, injury prevention, violence prevention, and disaster preparedness.
105  Human Nutrition  3 Hours
A basic course covering the types of foods, their metabolism, and energy transformations. Nutrition in relation to malnutrition, under-nourishment, needs through changes in age, and needs in special activities is examined. Nutrition education and the promotion of healthy eating patterns are stressed.

107  Introduction to Medical Terminology  1 Hour
This course is designed as an introduction to medical terminology. Students will develop a basic understanding of the medical language by analyzing prefixes, suffixes, root words and combining forms. A structured learning, word building system will be used to learn word parts to construct or analyze medical terminology.

232  Foundations of Health  2 Hours
A study of the historical developments in health and health education, health roles, philosophical tenets, theories of health, program planning, use of professional literature, contemporary issues, and future trends in the health field.
*Education majors:* Completion of EDUC 203 with a grade of “C” or higher, and overall grade point average of 2.50.
*Co-requisites:* Education majors: Ten hour field experience with five hours completed in a public school health education classroom, and five hours completed in an agency that deals with community health issues.

293  Lifetime Fitness and Wellness  3 Hours
The focus of the course is on a positive healthy lifestyle designed to enhance the current and future quality of life. Selected topics are proper exercise programs, healthful nutrition, stress management techniques, and avoidance of high-risk health behaviors in order to reduce disease risk and promote healthy aging.

321  Drug Use/Abuse/Addiction  2 Hours
This course analyzes the psychological, sociological, and pharmacological aspects of substance use, misuse, and abuse.
*Co-requisites:* Education majors: Concurrent enrollment in HLTH 341.
Students majoring in Behavioral Science or Health and Human Performance may enroll in this course without enrolling in HLTH 341.

331  Foundations of Anatomy and Physiology  4 Hours
This course is designed to provide a practical and functional knowledge of human anatomy and physiology. The basic approach will be systematic, i.e. study of the body’s system.
*Prerequisite:* BIOL 120.
*(Required laboratories included)*

332  Organization and Administration of School Health Programs  2 Hours
Methods of planning, instruction, and evaluation for health programs in early and middle childhood education.
*Prerequisites:* EDUC 203 and EDUC 205.

341  Community and Environmental Health  2 Hours
A study of the issues facing community health organizations, including disease and disease prevention, exercise and fitness, mental health, sexuality, and environmental health.
300 Course Offerings

342 Health Disparities in Vulnerable Populations 3 Hours
This course examines links between health outcomes and various dimensions of vulnerability, including but not limited to socioeconomic status, gender, race, ethnicity and rural setting. Explanations for the relationships between these factors and various health outcomes are discussed, as well as possible policy solutions. Class participation and group presentations are an integral part of this course. Significant reading and preparation is required.
Prerequisites: Junior Standing

400 Applied Nutrition 3 Hours
This course emphasizes the role of nutrition as a means to enhance health and human performance. Topics covered include principles of healthful nutrition, energy metabolism and nutrients, regulation of metabolism by vitamins and minerals, and weight control.
Prerequisites: BIOL 309 or HLTH 331

425 Wellness Programming and Administration 3 Hours
An introduction to principles of administration and implementation of health and productivity management programs to individuals, groups and corporate/government settings.

435 Research Methods in Health and Human Performance 3 Hours
The primary goal of this class will be to introduce the student to the scientific method as it is applied to the various areas of health, fitness and human performance research. Topics covered will include the many elements associated with research design and process, including bioethics, literature review, data collection, statistical analysis, research writing and peer review.
Prerequisites: Junior standing.

493 Health Practicum 3-12 Hours
This course is designed to provide students with professional work experience and thereby integrate course theory, methodologies, training, and administration techniques. Students will have the opportunity to work under the direction of a site supervisor in a professional work setting. Students are expected to develop specific personal learning objectives consistent with their majors and their intended career goals. HLTH 493 may be repeated for credit up to a maximum of 12 credit hours.
Prerequisites: Senior standing and completion of at least 90 credit hours or consent of department chairperson.

HISTORY (HIST)

201 History of World Cultures I 3 Hours
A survey of world cultures from the origins of man through the sixteenth century emphasizing the foundations of human culture, the development of civilizations, and their usefulness in understanding and interacting successfully in a contemporary multicultural world.

202 History of World Cultures II 3 Hours
A survey of world cultures from 1600 to the present emphasizing social, economic, political, and cultural changes, how they have significantly shaped the present, and their usefulness in meeting the challenges of a modern, technologically sophisticated, and increasingly multicultural world.

207 United States History to 1877 3 Hours
A survey of the history of the United States from the beginnings of European colonization to 1877.

208 United States History since 1877 3 Hours
A survey of the history of the United States from the end of Reconstruction to the present.

293 Fields and Careers in History and Political Science 2 Hours
A gateway course that examines the fundamental concepts and chronologies of history and the principle concepts and fields of political science. It will also examine careers open to students of history and political science. Required of all history and political science majors.

**Prerequisites:** Sophomore Standing, History and Political Science major or History or Political Science minor.

### 302 U.S. Military History to 1917
3 Hours
This course covers American military history from the pre-Colonial period until 1917. The emphasis will be on the major wars, campaigns, and battles from the 17th century until the early 20th century. How the United States mobilized for war, its significant personalities, and its evolutionary progress.

**Co-requisite:** HIST 207

### 303 West Virginia and the Appalachian Region
3 Hours
A study of West Virginia emphasizing its historical, political, economic and cultural development and its place in the Appalachian region from 1600 to the present.

**Prerequisites:** HIST 207 and HIST 208.

### 304 U.S. Military History since 1917
3 Hours
This course covers American military history from 1917 to the present. The emphasis will be on the major wars, campaigns, and battles from World War I until the conflict in Afghanistan. How the United States mobilized for war, its significant personalities, and its evolutionary progress.

**Co-requisite:** HIST 208.

### 319 Europe, 1500 to 1815
3 Hours
A survey of Europe from 1500 to 1815 with emphasis on political, economic, intellectual and cultural developments.

**Prerequisite:** HIST 202.

### 320 Europe since 1815
3 Hours
A survey of Europe since 1815 with emphasis on political, military, intellectual and cultural developments.

**Prerequisite:** HIST 202.

### 335 Recent United States History
3 Hours
An intensive history of the United States since World War II.

**Prerequisite:** HIST 208.

### 370 African American History
3 Hours
A history of Americans of African descent including African origins, slavery and the slave trade, Abolition, Reconstruction, the Civil Rights Movement, and African contributions to the formation of American culture.

**Prerequisites:** HIST 207 and HIST 208.

### 379 History of Modern Japan
3 Hours
A history of modern Japan which opens with a brief look at early Japanese culture but directs most of its attention at Japan’s impressive modernization focusing on Japan since 1868 and its economic, political, and international consequences.

**Prerequisites:** HIST 202.

### 380 History of Modern China
3 Hours
A history of the evolution and development of Chinese civilization from the Opium War to the post Mao Era, focusing particular attention on the major themes of continuity and change, tradition and transition, and ideology and values in the growth of Chinese culture.

**Prerequisite:** HIST 202.
Course Offerings

381 Islam and the West  3 Hours
A study of the modern Middle East since the introduction of Islam in the seventh-century and the history of Western relations with the region to the present.
**Prerequisites:** HIST 201 and HIST 202.

388 Military History  3 Hours
From pre-history to the 21st century, the course emphasizes key concepts in military history. Reading is the key method of instruction and students must participate in classroom discussion.

432 The Civil War and Reconstruction  3 Hours
A study of the emerging national crisis in the 19th century and the divisions leading to Civil War. The efforts toward Reconstruction are studied with special emphasis on the problems of race relations.
**Prerequisite:** HIST 207.

442 World War II  3 Hours
This course covers the political, social, and military aspects of World War II beginning with the reasons for the war, major battles and campaigns, the Holocaust, and the political and social repercussions of the conflict.
**Co-requisites:** HIST 202 or HIST 208.

493 Senior Project  2 Hours
A senior project, normally a major research paper. Students in this course will be asked to complete one or more assessment exercises. Required of all history and political science majors. **Cross-listed as POSC 493.**
**Prerequisites:** Senior standing, History and Political Science major or History or Political Science minor.

HONORS (HONR)

101 Freshman Honors Seminar  3 Hours
An introduction to the nature of higher education and the Honors Program, plus general orientation to academic culture and the functions and resources of the College. This course replaces GSC 100.
**Prerequisite:** Admission into the Honors Program.

102 Freshman Honors Workshop  1 Hour
A continuation of HONR 101 in which Honors Students meet every week to discuss their academic interests and progress with the Director, faculty, and guest lecturers.
**Prerequisites:** HONR 101 with a grade of B or higher.

201 Sophomore Honors Seminar  3 Hours
An inter-departmental and multi-disciplinary study of a special topic of significant global and cultural importance for second-year Honors Students.
**Prerequisite:** HONR 102 with a grade of B or higher.

202 Sophomore Honors Workshop  1 Hour
A continuation of HONR 201 in which Honors Students meet every week to discuss their academic interests and progress with the Director, faculty, and guest lecturers.
**Prerequisite:** HONR 201 with a grade of B or higher.
301 Junior Honors Independent Study 1-3 Hours
A continuation of HONR 202 in which Honors Students meet regularly with a faculty mentor selected by the student and approved by the Honors Program Director and college Provost. The student and faculty mentor will work together on initiating and outlining a research or creative project appropriate to the student’s major and academic interests, and approved by the Honors Program Director.
Prerequisite: HONR 202 with a grade of B or higher.

401 Senior Honors Independent Study 1-3 Hours
A continuation of HONR 301 in which Honors Students meet regularly with a faculty mentor selected by the student and approved by the Honors Program Director and college Provost. The student and faculty mentor will work together on completing a research or creative project appropriate to the student’s major and academic interests, and approved by the Honors Program Director.
Prerequisite: HONR 301 with a grade of B or higher.

JOURNALISM (JOUR)

205 Writing for the College Newspaper 3 Hours
An introduction to the principles and practices of good writing and editing through practical experience writing for the weekly college publication.

322 Advanced Reporting and Editing 3 Hours
Advanced reporting and editing, including a study of the history and principles of news gathering and the development of the modern media systems. Includes practical experience in writing for the weekly college publication.
Prerequisite: JOUR 205.

415 Literary Non-Fiction and Features 3 Hours
A course emphasizing the production of literary non-fiction and features.
Prerequisites: JOUR 205 and JOUR 322.

420 Media in the Information Age 3 Hours
History and development of the modern mass media, including practices and policies, introduction to the theories and fundamental skills of broadcasting and media production.
Prerequisite: JOUR 205.

LANDMAN (LAMN)

193 Principles of Energy and Land Management 3 Hours
This course will provide the student with knowledge and required skills for success in the industry of energy and land use development, management and planning.

293 Land Titles and Abstracting 3 Hours
An applied capstone course structured to allow students the ability to apply principles learned from previous courses in the analysis of land surveying related problems, with significant emphasis placed on property boundary line location and related problems; however, the analysis may be related to various types of land surveying applications. The course includes the final assessment project portfolio, in which a minimum of a platted field survey, deed description (if required), and land survey report (if required) must be passed with a “C” or higher.
Prerequisites: LAND 193 or consent of department chairperson.
304 Course Offerings

LAND SURVEYING (LAND)

121 Introduction to Land Surveying 3 Hours
A study of elementary surveying measurements and computations and of the opportunities and responsibilities in the surveying profession.  (Required laboratories included)
Prerequisite or Co-requisite: MATH 115 or consent of department chairperson.

123 Land Survey Descriptions-Interpretation and Writing 2 Hours
A study of property descriptions, to include descriptions, interpretation, and application to boundary line retracement and the writing of different types of property descriptions.  (Required laboratories included)
Prerequisite: LAND 121 or consent of department chairperson.

124 Land Survey Boundary Law 3 Hours
A study of methods of boundary line establishment by unwritten methods, registration of surveyors, professionalism, liability of surveyors, and other case and statute law related to property surveying.
Prerequisite: LAND 121 or consent of department chairperson.

193 Surveying Measurements and Computations I 3 Hours
A study of the different methods and instruments used to measure angles, distances and differences in elevation, and also a study of making traverse adjustments, area computations and various position computations.  (Required laboratories included)
Prerequisites: LAND 121 or equivalent.
Co-requisite: LAND 123 or consent of department chairperson.

230 Surveying Measurements and Computations II 3 Hours
A study of error propagation in survey measurements and computations, design of horizontal and vertical control networks, meridian determination, map projections, and introduction to least squares adjustment.  (Required laboratories included)
Prerequisites: LAND 193, MATH 115 or consent of department chairperson.

231 Retracement Surveys 3 Hours
An applied study of measurement and computational techniques and boundary law to the retracement of property boundary lines.
Prerequisites: Grade of “C” or higher in LAND 123, LAND 124 and LAND 193 or consent of department chairperson.

232 Cartographic Surveying 3 Hours
An applied study of survey measurements and computational techniques to the acquisition and production of planimetric and topographic maps. A study of drafting techniques will be emphasized.  (Required laboratories included)
Prerequisite: LAND 193
Co-requisites: LAND 230 or consent of department chairperson.

240 Route and Construction Surveys 4 Hours
An applied study of survey measurements and computational techniques to the horizontal and vertical alignment of highways, earthwork calculations and construction layout.  (Required laboratories included)
Prerequisite: Grade of “C” or higher in LAND 193 and LAND 230 or consent of department chairperson.
241 Energy Resource Surveying  2 Hours  
A study of state and federal mining, oil and gas regulations as related to surveying and the production of maps and plans and an applied study of the surveying and measurement techniques peculiar to the mining and the oil and gas industry.  
**Prerequisite:** LAND 193 and LAND 230 with a grade of “C” or higher or consent of department chairperson.  

244 Remote Sensing & Aerial Photo Interpretation  1 Hour  
The application of remote sensing and aerial photogrammetry to forestry and land surveying measurements, surveys and interpretations.  

293 Survey Decisions & Professional Applications  6 Hours  
An applied capstone course structured to allow students the ability to apply principles learned from previous courses in the analysis of land surveying related problems, with significant emphasis placed on property boundary line location and related problems; however, the analysis may be related to various types of land surveying applications. The course includes the final assessment project portfolio, in which a minimum of a platted field survey deed description (if required), and land survey report (if required) must be passed with a “C” or higher.  
**Prerequisites:** LAND 230 and LAND 231.  

335 Hydrology, Drainage, and Subdivision Design  4 Hours  
A study of water properties, occurrence, distribution, runoff volume, culvert design, storm water management, flood considerations, and general subdivision design procedures.  
**Prerequisites:** LAND 193 or consent of department chairperson.  

MANAGEMENT (MGMT)  

201 Principles of Management  3 Hours  
This course is designed to familiarize the beginning management student with an analysis of the management process, management concepts of planning, organizing, staffing, directing and controlling analysis of the technical knowledge and skills of management influences upon managerial decision making and the psychological principles inherent in management.  

202 Entrepreneurship  3 Hours  
This course is designed to stress the importance of the great dependence of large enterprises on small businesses and deals with a comprehensive treatment of problems and principles of small business management. Emphasis is placed on procedures, characteristics, methods, and problems confronting the small business entrepreneur on a modern basis. Finally, it analyzes the preparations required to launch a successful business and keep it operating profitably.  
**Prerequisites:** MGMT 201 with a grade of “C” or higher  

383 Labor Management Relations  3 Hours  
This course is designed to familiarize the student with an historical review of the labor organization, an examination of current labor problems, and the development and application of existing federal and state laws affecting the labor movement.  
**Prerequisites:** MGMT 201 with a grade of “C” or higher
Course Offerings

384  Human Resource Management  3 Hours
This is a review of both the theoretical and practical aspects of human resource management and its critical role in modern organizations. Emphasis will be placed on the principles and practices regarding the recruitment, selection, development, evaluation, compensation and proper recognition of employees within organizations.
Prerequisites: MGMT 201 with a grade of “C” or higher

484  Organizational Behavior  3 Hours
This course is designed to study human behavior in organizations at the individual and group level including the effect of organizational structure on behavior. Specific attention is given to using organizational behavior concepts for developing and improving interpersonal skills.
Prerequisites: MGMT 201 with a grade of “C” or higher

487  Operations Management  3 Hours
The course covers basic operational issues and concepts within the traditional process fundamentals. It reviews historical aspects and discusses the role of analysis as an integrating approach to solving these type of problems as we shift toward a more service-oriented society.
Prerequisites: BUSN 230 and MGMT 201 with a grade of “C” or higher

MARKETING (MRKT)

201  Principles of Marketing  3 Hours
This course is a study of consumer markets, stressing the dynamics of the marketing process of goods and services from manufacturer to ultimate user. Emphasis is placed on identifying needs and wants, understanding consumer behavior, planning marketing strategies, implementing appropriate pricing techniques, and developing competitive marketing strategies.

202  Principles of Retailing  3 Hours
The dynamic nature of retailing and the implication of such changes are emphasized, in addition to theoretical aspects such as store location, management functions, buying and selling, promotional and credit policy, and human resource management.

203  Introduction to Graphic Design  3 Hours
This course will focus on using formal elements of design – such as line, shape, color, texture, figure ground, and hierarchy – to translate written and verbal client requests into effective visual solutions. Students will use industry-standard design software to complete realistic graphic design projects for print media and for the web.
Prerequisites: CSCI 101, MRKT 201.

303  Intermediate Graphic Design  3 Hours
This course is a continuation of skills and concepts introduced in Graphic Design I. Students plan and develop brochures, newsletters, stationary, business cards, etc. Students will develop a corporate identity program, an advertising campaign, and a portfolio of their work.

377  Sales Management and Technology  3 Hours
This course emphasizes the strategic and technical aspects of selling, directing, motivating, and controlling a sales force, plus the necessary technology to maintain productivity. This course is appropriate for students interested in careers in sales management or anyone who works for companies whose revenue and profits depend on a productive sales force.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>379</td>
<td>Advertising and Sales Promotion</td>
<td>3</td>
<td>This course provides an in-depth study of advertising and sales promotional strategies. Media selection, advertising layout, selection of appropriate sale promotional tools, and management of planned campaigns will be covered.</td>
</tr>
</tbody>
</table>
| 385        | Global Marketing                     | 3     | This course emphasizes the needs of contemporary organizations to identify, understand, and serve global markets. Topics include developing skills in global market analysis, designing and developing appropriate marketing strategies for global markets, decision-making in global marketing, and the evolving political, legal, technological, and social environments of world trade.  
**Prerequisite:** MRKT 201. |
| 390        | Consumer Behavior                    | 3     | This course will emphasize the use of market segmentation for a general understanding of the psychological, sociocultural and decision-making aspects of consumer behavior. Special emphasis will be made on the consumer’s decision-making process and marketing’s influence on this process.  
**Prerequisite:** MRKT 201. |
| 395        | Marketing Management                 | 3     | This course includes a study of managerial considerations in marketing decisions, evaluation of alternatives of action, and strategy in profit terms, demand analysis, case studies in marketing product development, distribution channels, pricing and promotion areas.  
**Prerequisite:** MRKT 201. |
| 398        | Publication Design                   | 3     | This course explores a long-form graphic design. While our focus will be on magazines, the skills developed—creating continuity and variety across a range of pages, presenting different kinds of information in context-appropriate formats, and developing brand identity and continuity, is also applicable to other common design tasks—annual reports, business documents, newspapers, brochures, books and other multipage documents.  
**Prerequisite:** MRKT 203. |
| 478        | Marketing Research                   | 3     | This is a senior level course in market research designed to analyze and implement the steps in marketing research. Primary emphasis is given to methods and techniques used in planning, collecting, processing, and utilization of information. Topics include research design, sources of information, questionnaire design, sampling, data collection and data analysis.  
**Prerequisites:** MRKT 201, MRKT 202, and MRKT 379. |
| 497        | Internship II                        | 3     | This course consists of supervised practical experiences in the student’s major field of marketing. This is a senior course designed to provide an integrating experience in various areas of marketing; it is open only to baccalaureate marketing majors of senior status who have a minimum GPA of 2.5. Students will also develop a professional resume, letter of application and will proceed to a job interview.  
**Prerequisites:** MRKT 201, MRKT 202, MRKT 377, MRKT 379 and MRKT 478.  
**Co-requisite:** Recommendation of academic advisor. |
308 Course Offerings

MATHEMATICS (MATH)

106 **Finite Mathematics** 3 Hours
This course is designed to provide students with opportunities to think critically and analytically, to formulate and communicate informed, reasoned opinions, to develop their abilities to find logical approaches to solve mathematical problems, and to reflect upon the processes of problem solving. The topics treated in this course help students work with quantitative information and make critical decisions of the type encountered in both personal life and in academic disciplines; and are also designed to prepare students for college algebra. This course for three (3) 50 minutes lectures a week.

**Prerequisites:** ACT Math score of 19 or higher; or SAT Math score of 460 or higher; or new SAT Math score of 500 or higher; or COMPASS® Algebra score 34 or higher; or an achievement level score of 3 on the mathematics portion of the statewide eleventh grade student assessment, the West Virginia General Summative Assessment; or consent from the Chairperson of the Science and Mathematics Department.

106L **Finite Mathematics with supplemental lab** 3 Hours
This course is designed to provide students with opportunities to think critically and analytically, to formulate and communicate informed, reasoned opinions, to develop their abilities to find logical approaches to solve mathematical problems, and to reflect upon the processes of problem solving. The topics treated in this course help students work with quantitative information and make critical decisions of the type encountered in both personal life and in academic disciplines; and are also designed to prepare students for college algebra. This course consists of three (3) 50 minutes labs a week.

110 **The Nature of Math** 3 Hours
A study of topics from different branches of mathematics, emphasizing those that are useful and/or high-interest; a variety of logical and visualization techniques, that directs students to model their thinking and to actively explore the world around them, will be utilized in class discussions, problem sets, and student led presentations. Topics will be selected from logic, chaos and fractals, geometry, graph theory, history of math, cryptography, infinity, number theory, and topology. This course is designed for students majoring in humanities, criminal justice, and mathematics education. This course consists of three fifty (50) minute lectures a week.

**Prerequisites:** ACT Math score of 21 or higher; or SAT Math score of 500 or higher; or new SAT 530 or higher; or Compass® Algebra score of 40 or higher; or MATH 106 or MATH 106L with a grade of “C” or higher; or BUSN 230 with a grade of “C” or higher; or an achievement level score of Level 4 on the mathematics portion of the statewide eleventh grade student assessment, the West Virginia General Summative Assessment; or consent from the Chairperson of the Science and Mathematics Department.

115 **College Algebra** 3 Hours
A study of algebraic equations and inequalities, graphs, and functions (including linear, quadratic, absolute value, rational, radical, polynomial, exponential, and logarithmic). This course is designed for students majoring in business, education, and STEM-related disciplines. This course consists of three (3) 50-minute lectures each week.

**Prerequisites:** ACT Math score of 21 or higher; or SAT Math score of 500 or higher; or new SAT Math score of 530 or higher; or COMPASS® Algebra Score of 40 or higher; or MATH 106 or MATH 106L with a grade of “C” or higher; or BUSN 230 with a grade of “C” or higher; or an achievement level score of 4 on the mathematics portion of the statewide eleventh grade student assessment, the West Virginia General Summative Assessment; or consent from the Chairperson of the Science and Mathematics Department.
115L  College Algebra with supplemental lab  3 Hours
This course is a study of algebraic equations and inequalities, graphs, and functions (including linear, quadratic, absolute value, rational, radical, polynomial, exponential, and logarithmic). This course is designed for students majoring in business, education, and STEM-related disciplines. This course consists of three (3) 50-minute lectures and one (1) 50-minute laboratory each week.
Prerequisites: ACT Math score of 19 or higher; or SAT Math score of 460 or higher; or new SAT Math score of 500 or higher, COMPASS® Algebra 34 and less than 40; or MATH 106 or MATH 106L with a grade of “C” or higher; or BUSN 230 with a grade of “C” or higher; or an achievement level score of 3 on the mathematics portion of the statewide eleventh grade student assessment, the West Virginia General Summative Assessment; or consent from the Chairperson of the Science and Mathematics Department.

120  Pre-calculus  4 Hours
A course designed to prepare students for the first semester of calculus by study of analytic trigonometry, advanced college algebra topics, analytic geometry, and an introduction to limits and the tangent line and area problems for motivation of the development of calculus. Topics include trigonometric functions, analytic trigonometry, laws of sines and cosines, vector and complex number topics using results from trigonometry, sequences, series, finite probability, study of the conic sections, parametric equations and polar coordinates, limits including limits at infinity and limits of sequences, introduction to the tangent line and area problems.
Prerequisites: ACT Math score of 24 or higher; or SAT Math score of at least 590; or MATH 115 or MATH 115L with a grade of “C” or higher; or consent from the Chairperson of the Science and Mathematics Department.

201  Introduction to Mathematical Reasoning and Proofs  3 Hours
This course includes topics to prepare students for the mathematical reasoning required for courses at the calculus level and beyond. In addition, it will prepare students for the rigor of mathematical proofs in advanced mathematics courses. This course introduces elements of mathematical proof and reasoning, focusing on three main themes: (1) the meaning of mathematical statements, (2) the roles of examples in determining the validity of mathematical statements, and (3) the various forms and methods of mathematical proofs. Topics to be covered include set theory, number theory, logic, and proofs based on algebraic and trigonometric concepts.
Prerequisites: ACT Math 24 or higher; or SAT Math 590 or higher; or consent from the Chairperson of the Department of Science and Mathematics.
Corequisite: MATH 120

202  Calculus I  4 Hours
A four hour course in Calculus. Emphasis is placed on the notion of limit and of limiting processes. The derivative and the integral are defined and applications are studied. Topics covered include functions, limits and continuity, derivatives, and the integral. This course consists of four (4) 50-minute lectures each week.
Prerequisites: MATH 120 with a grade of “C” or higher; ACT Math 26 or higher; SAT Math 600 or higher; or new SAT 620 or higher; or consent from the Chairperson of the Science and Mathematics Department.

207  Calculus II  4 Hours
Inverse functions; exponential and logarithmic functions; inverse trigonometric functions; hyperbolic functions; L’Hospital’s Rule; standard techniques of integration; Riemann sums and the Riemann integral; polar coordinates; parametric equations; arc length and speed; the area of a surface of revolution; the centroid of a curve; indeterminate forms; improper integrals.
Prerequisites: MATH 202 with a grade of “C” or higher; or consent from the Chairperson of the Science and Mathematics Department.
Course Offerings

230 Euclidean Geometry for College Students 3 Hours
This course is designed to ensure a thorough understanding of the fundamental concepts of Euclidean plane and solid geometry; study of polygons, circles, constructions, and proofs. This course is more heavily proof-based than a first course in Euclidean geometry, and will serve as an example of an axiomatic approach.

Prerequisites: MATH 106 or MATH 106L with a grade of “C” or higher; ACT Math score of 19 or higher; or SAT Math score of 460 or higher; or consent from the Chairperson of the Science and Mathematics Department.

256 Probability and Statistics I 3 Hours
Basic concepts of probability and ways of thinking needed to solve problems in probability are related to ideas and areas of application of statistics. Topics include the nature of statistics, organizing data, descriptive measures, basic probability concepts, the normal distribution, the sampling distribution of the mean, confidence intervals for one population mean, and hypothesis testing for one population mean.

Prerequisites: ACT Math score of 21 or higher; or SAT Math 500 or higher; or new SAT 530 or higher; or COMPASS® Algebra score of 40 or higher; or MATH 106 or MATH 106L with a grade of “C” or higher; or an achievement level score of Level 4 on the mathematics portion of the statewide eleventh grade student assessment, the West Virginia General Summative Assessment; or consent from the Chairperson of Science and Mathematics Department.

303 Modern Algebra 3 Hours
A first course in abstract algebra designed to emphasize the nature of the subject and the techniques of rigorous proof characteristic of modern mathematics. Topics include groups, basic group properties, subgroups, cyclic groups, Lagrange’s theorem, cosets, permutations, normal subgroups, homomorphisms, quotient groups, rings, ring homomorphisms and ring isomorphisms, integral domains, maximal and prime ideals, fields, polynomials and applications.

Prerequisite: MATH 202 with a grade of “C” or higher; or consent from the Chairperson of the Science and Mathematics Department.

308 Calculus III 4 Hours
Topics covered include polar coordinates; parametric equations; conic sections; sequences; series; tests for series convergence or divergence; Taylor series, Maclaurin series; vectors in space; dot product; cross product; lines and planes in space; limits, continuity, derivatives and integrals of space curves; lengths of space curves; curvature; velocity and acceleration in space; limits and continuity of functions of several variables; partial derivatives.

Prerequisite: MATH 207 with a grade of “C” or higher.

310 College Geometry 3 Hours
A survey course of different geometries: finite, transformation, modern Euclidean, projective and topology. Many are explained using the basic idea of transformations. Others are studied by the axiomatic method. The student will gain skill in problem solving and geometry.

Prerequisites: MATH 202 and MATH 230 with a grade of “C” or higher; or consent from the Chairperson of the Science and Mathematics Department.

315 Linear Algebra 3 Hours
A first course in linear algebra designed to emphasize the nature of the subject and its application to other fields. Topics covered include linear systems, matrices, matrix operations, determinants, vectors and vector spaces, linear transformations and matrices, Eigenvalues and Eigenvectors, linear programming and applications.

Prerequisite: MATH 120 with a grade of “C” or higher; or consent from the Chairperson of the Science and Mathematics Department.

Co-requisite: MATH 202
321 History of Mathematics 2 Hours
A survey of significant developments in mathematics beginning with ancient Greece and continuing to modern times. Emphasis will be placed on the contributions of the Pythagoreans, Plato, Aristotle, Euclid, and on the development of algebra and the calculus.
Prerequisites: MATH 202 with a grade of “C” or higher; or consent from the Chairperson of the Science and Mathematics Department.

327 Math Methods for Elementary and Middle School Teachers 3 Hours
This course is designed to ensure that teacher education candidates develop a basic knowledge of techniques for teaching mathematics at the elementary and middle school levels. Topics include math manipulative materials, calculator and computer technology, guided discovery learning, standards-based learning, standards of the National Council Teacher of Mathematics, planning and criticizing math instruction. Concepts from geometry, measurement, algebra, number operations, estimation, statistics, and probability will be developed.
Prerequisites: Passing score on the Fractions and Decimals Mastery Test given by the Math Department.
Co-requisites: MATH 230 and MATH 256 must either be completed prior to MATH 327 or be taken concurrently with MATH 327; or consent from the Chairperson of the Science and Mathematics Department.

330 Discrete Mathematics 3 Hours
A study of topics from the field of discrete mathematics. Topics will be selected from symbolic logic, truth tables, De Morgan’s laws, graph theory, Hamilton circuits and paths, Euler circuits and paths, trees, graph colorings, the Pigeonhole Principle, recurrence relations, fractals, linear programming, and computer algorithms. Special emphasis is placed upon learning to read and write proofs.
Prerequisite: MATH 115 and CSCI 101 with a grade of “C” or higher; or consent from the Chairperson of the Science and Mathematics Department.

356 Probability and Statistics II 3 Hours
Concepts of probability and ways of thinking needed to solve problems in probability are related to ideas and areas of application in statistics. Topics include conditional probability, the multiplication rule and independence, Bayes’ Rule, Counting Rules, Discrete Random Variables, Inferences for two population means, inferences for population standard deviations, inferences for population proportions, inferential methods in regression and correlation, and analysis of variance.
Prerequisite: MATH 256 with a grade of “C” or higher; or consent from the Chairperson of the Science and Mathematics Department.

408 Differential Equations 3 Hours
Introduction; first order differential equations; linear equations of higher order; power series solutions; linear systems of differential equations; numerical methods. The objective of this course is to provide a reasonably complete coverage of the techniques for solving first and second order ordinary differential equations (ODE’s) with selected applications.
Prerequisites: MATH 207 with a grade of “C” or higher; or consent from the Chairperson of the Science and Mathematics Department. Grade of “C” or higher in MATH 308 is recommended.

MUSIC (MUSC)

111 Marching Band 1 Hour
Band meets during marching season to develop shows to be performed during football games and to participate in parades. This course includes a service learning component.
Prerequisite: Approval of the Director. May be repeated up to four times.
312 Course Offerings

112 Concert Band
During concert season, band meets to prepare music for spring concerts.
Prerequisite: Approval of the Director. May be repeated up to four times.

113/313 Jazz Band
Open to audition.
Prerequisite: Approval of the Director. May be repeated up to four times each for credit.

114 Class Instruction in Voice
This course is designed to develop skills, techniques and methods used in teaching voice.
Prerequisite: Completion of MUSC 170 or consent of department chairperson.

116/316 Woodwind Ensemble, Saxophone Ensemble, Clarinet Ensemble
Open to audition.
Prerequisite: Approval of the Director. May be repeated up to four times each for credit.

119/319 Brass, Tuba/Euphonium, Trombone Ensemble
Open to audition. This course includes a service learning component.
Prerequisite: Approval of the Director. May be repeated up to four times each for credit.

157/357 Percussion Ensemble, Djembe Ensemble, Udu Ensemble
Open to audition. This course includes a service learning component.
Prerequisite: Approval of the Director. May be repeated up to four times each for credit.

167/367 Chamber Singers
Small vocal ensemble open by audition. This course includes a service learning component.
Prerequisite: Approval of the Director.

168 Concert Choir
Concert Choir is a large ensemble. It rehearses and performs a wide variety of choral literature from all major stylistic and historical periods. This course includes a service learning component.
Prerequisite: Approval of the Director. May be repeated up to four times for credit.

170 Theory I
Beginning tertian harmony, sight singing and ear training; scales, intervals and triads through cadences and figured bass; two part writing. Analysis of basic harmony, melody and motive development.

171 Theory II
Tertian harmony is continued through secondary dominants, modulation, voice leading, two and three part forms, leading tone chords, non-dominant seventh chords, VII diminished and half diminished chords. Sight singing and ear training continued through more complex materials.
Prerequisite: MUSC 170 or consent of department chair

172/372 Bluegrass Band Ensemble
Open to audition. This course includes a service learning component.
Prerequisite: Approval of the Director. May be repeated up to four times each for credit.
173/373  Brass Choir, Trombone Ensemble,  
        Tuba/Euphonium Ensemble, Brass Quintet  
1 Hour  
Open to audition.  
**Prerequisite:** Approval of the Director. May be repeated up to four times each for credit.

174/374  African Ensemble  
1 Hour  
Open to audition.  
**Prerequisite:** Approval of the Director.

180  Class Instruction in Piano I  
1 Hour  
Music major (or equivalent) piano course. Preparation for required piano proficiency exam.  
**Prerequisites:** Music major or approved by instructor.  
**Co-requisite:** MUSC 170.

181  Class Instruction in Piano II  
1 Hour  
Piano course for music major or equivalent. Preparation for required piano proficiency exam.  
**Prerequisites:** MUSC 180, music major or consent of the instructor.

198  Notation Software  
3 Hours  
Advanced techniques using finale notation software and the computer.  
**Prerequisites:** MUSC 170, MUSC 171 and MUSC 377 or permission of department chairperson.

200  Survey of Music  
3 Hours  
Introductory course designed to develop an appreciation and understanding of the significance of music as a fine art, and to assist in development of intelligent listening habits.

213  Learning and Caring for String Instruments  
2 Hours  
Learning and Caring for String Instruments is a unique course that is offered fall semesters only. The focus of this course is to explore the secrets and science behind building or repairing stringed instruments. Attributes of air chambers, what to listen for when tap-tuning, selecting good wood, placement of braces and tone bars, how to select appropriate strings, and how to care for the instrument are just some of the major topics discussed in this course. In addition, students have the opportunity to learn basic chords on instruments such as guitar, violin, viola, cello, bass, auto-harp, and dobro to name a few.

214  Business of Music I  
2 Hours  
The Business of Music I course serves as a practical study of musical principles that are used in the process of forming any type of band including the importance of developing stronger musicianship skills. Students will take a closer look at how to target their audience in which music marketing skills are applied to. Promotion, advertising, direct selling, public relations, quality, and direct marketing will be a major focus in this course. Ideas and techniques taught in this course can be used for any type of concert promotion, including college shows, artist showcases, club gigs, as well as major events handled by local promoters, nationwide promoters, and worldwide promoters. Bluegrass degree students will begin creating and collecting artifacts that are mandatory for a professional portfolio.

216  Class Instruction in Woodwinds  
2 Hours  
Course designed to develop skills, techniques and methods used in teaching woodwind instruments.  
**Prerequisite:** Completion of MUSC 170 or consent of department chairperson.
314 Course Offerings

270 Theory III 3 Hours
A continuation of tertian harmony through chromatic harmony. Analysis of Renaissance polyphony, Baroque polyphony and fugal technique, Romantic harmony. Sight singing includes melodies with non-diatonic pitches and modulations. Ear training includes identification of church modes, further melodic, rhythmic, 4-part harmonic and dictation.
Prerequisite: MUSC 171 or consent of department chair

271 Theory IV 3 Hours
A continuation of Classical period styles including the rondo form. Analysis of chromatic harmony. Romantic period style, Impressionistic style, various early 20th Century styles, non-Western musical styles, music since 1945. Set theory and 12-tone analysis techniques. Sight singing includes melodies with non-diatonic pitches and modulations. Ear training includes identification of church modes, further melodic, rhythmic and 4-part harmonic dictation.
Prerequisite: MUSC 270 or consent of department chair

280 Class Instruction in Piano III 1 Hour
Piano course for music major or equivalent. Preparation for required piano proficiency exam.
Prerequisites: MUSC 180 and MUSC 181. Music major or consent of the instructor.

281 Class Instruction in Piano IV 1 Hour
Piano course for music major or equivalent. Preparation for required piano proficiency exam.
Prerequisites: MUSC 180, MUSC 181, MUSC 280. Music major or consent of the instructor.

290 Diction for Singers 3 Hours
Designed for the Music Performance or Music Education major, this course addresses rules for pronunciation of foreign languages to aid in the study of vocal music including art song, cantata, opera, operetta and oratorio.
Prerequisites: Music major with voice as the primary instrument, or interest in choral music and/or permission of the instructor.
Co-requisites: Must be of junior standing or have permission of instructor; willingness to sing solo in class.

297 Bluegrass Music Internship 1-6 Hours
This course is open only to BA in Music, bluegrass concentration students. This is an advanced bluegrass music studies course designed to provide an internship experience in various areas of bluegrass music. Internships may vary from on-campus, in-state, to out of state placements. Focus opportunities may vary from festival and theatre preparations to studio and band management skills. Unique placements occur each semester. To enroll in this course the student must be in good academic standing with both the college and degree program.
Prerequisite: Consent of the instructor.

298 Orchestration Software 3 Hours
Course designed to use computer software to assist with orchestration.
Prerequisites: MUSC 170, MUSC 171, and MUSC 377 or permission of department chairperson.

301 Music History and Literature I 3 Hours
A study of music history from the ancient through the Baroque period with emphasis on the recognition of styles and the development of aural skills and music vocabulary. Completion of a listening component is required.
Course Offerings

302 Music History and Literature II
3 Hours
A study of music history from late classical period to the present with emphasis on the recognition of styles and the development of aural skills and music vocabulary. Completion of a listening component is required.
Prerequisite: MUSC 301 or consent of department chairperson.

303 Bluegrass History I
3 Hours
The main focus of this course is to study the music and lives of Bluegrass artists through 1965. Class discussions, assignments, and projects are based on a variety of aspects such as; biographies, women in bluegrass, festivals, instruments, record companies, and international music leading up to the future of bluegrass music. Bluegrass History I is offered during fall semesters only.

304 Bluegrass History II
3 Hours
The main focus of this course is to study the music and lives of Bluegrass artists from 1966 through present day. It is highly encouraged to complete Bluegrass History I prior to enrolling into II, but not required. Class discussions, assignments, and projects are based on a variety of aspects such as; the life and accomplishment of Bill Monroe in relation to bluegrass music as well as families, friendships, festivals, communities, and cultures that value bluegrass music and the direction of bluegrass music today.
Prerequisite: MUSC 303. Bluegrass History II is offered during spring semesters only.

306 Recording and Engineering
3 Hours
This course is designed to develop fundamental performance skills, knowledge of appropriate equipment, and the techniques and methods used in live sound reinforcement, recording, broadcasting and video. The focus of this course is to gain a confident understanding of basic sound, video, lighting, microphones, acoustics, and the importance of editing. A lab is required which offers a hands-on experiences in real world studios that are located on the college premises. An advanced study in lighting, green screening, sound mixing boards, digital stereo and multi-track recording, and processing and editing in recording, broadcasting, and video serves as an extension of the actual class time. Post production will include radio and/or video spots that will be aired on the college radio and television network during lab meetings.

308 Recording and Engineering Lab (Audio)
1 Hour
This lab is designed to develop fundamental performance skills, knowledge of appropriate equipment, and the techniques and methods used in live sound reinforcement, recording, broadcasting and video. Students have hands-on experiences in real world studies that are located on the college premises. Students will be trained in lighting, green screening, sound mixing boards, digital stereo and multi-track recording, and processing and editing in recording, broadcasting, and video studios. Post production will include radio and/or video spots that will be aired on the college radio and television network. This lab experience will offer a strong emphasis on digital audio recording and editing.
Co-requisite: MUSC 306.

309 Recording and Engineering Lab (Video)
1 Hour
This lab is designed to develop fundamental performance skills, knowledge of appropriate equipment, and the techniques and methods used in live sound reinforcement, recording, broadcasting and video. Students have hands-on experiences in real world studies that are located on the college premises. Students will be trained in lighting, green screening, sound mixing boards, digital stereo and multi-track recording, and processing and editing in recording, broadcasting, and video studios. Post production will include radio and/or video spots that will be aired on the college radio and television network. This lab experience will offer a strong emphasis on digital video recording and editing.
Co-requisite: MUSC 306.

311 Marching Band
1 Hour
Band meets during marching season to develop shows to be performed during football games and to participate in parades. This course includes a service learning component.
Prerequisite: Approval of the Director. May be repeated up to eight times.
316  Course Offerings

312  Concert Band  1 Hour
During concert season, band meets to prepare music for spring concerts.
Prerequisite: Approval of the Director. May be repeated up to eight times.

314  Business of Music II  2 Hours
The Business of Music II is an extension and advance study of skills learned in The Business of Music I. In addition to a refreshment of previous course, students will begin studying at a much more intensive and individualized pace. Students will create real-life musical contracts that obtain to their style of professional music, along with learning the steps of copyrighting laws. Students will also have the opportunity to hear special guests talk about how musicians should appropriately file their taxes in order to successfully make a living in a professional band. In addition, students will begin writing a workable business plan and developing a meaningful press-packet which will include artifacts such as; musicians resume, contracts, personal biography, demo record, etc. Bluegrass degree students will continue to create and collect artifacts that are required for musician’s press-packet.

317  Class Instruction in Percussion  2 Hours
This course is designed to develop fundamental performance skills, knowledge of appropriate literature and the skills, techniques and methods used in teaching, repairing and writing for the percussion instruments.
Prerequisite: Completion of MUSC 170, MUSC 171 or consent of department chairperson.

318  Class Instruction in Brass  2 Hours
Develop fundamental performance skill, knowledge of appropriate literature, skills, techniques and methods used in teaching of brass instruments.
Prerequisite: Completion of MUSC 170, MUSC 171 or consent of department chairperson.

359  Music Fundamentals and Methods  2 Hours
Methods and materials in teaching music fundamentals for Early and Middle Childhood classroom teachers.

368  Concert Choir  1 Hour
Concert Choir is a large ensemble. It rehearses and performs a wide variety of choral literature from all major stylistic and historical periods. This course includes a service learning component.
Prerequisite: Approval of the Director. May be repeated up to eight times.

370  Composition and Arranging I  1 Hour
Instruction is individualized. Compositional devices studied through analysis of works by major composers. Students write several arrangements, transcriptions, or original compositions utilizing smaller forms.
Prerequisite: Successful completion of MUSC 271.

371  Composition and Arranging II  1 Hour
This course is a continuation of Composition and Arranging I.
Prerequisite: Successful completion of MUSC 271, MUSC 370.

375  Conducting I  2 Hours
Baton technique, score reading and preparation, choral literature and style and choral rehearsal technique.
Prerequisites: Completion of 100 and 200 level music courses or consent of department chairperson.

376  Conducting II  2 Hours
Instrumental rehearsal techniques, instrumental score reading and interpretation, band literature, and continued study of baton technique.
Course Offerings

377  Music Technology  3 Hours
Introductory level training using finale notation, smart music software, and basic public address and recording systems.
Prerequisites: MUSC 170, MUSC 171 or permission of the department chairperson.

378  Junior Recital  1 Hour
The junior recital is intended to give the student their first opportunity at a major solo performance. The recital will contact under 30 minutes of music.
Prerequisites: At least five semesters of applied instruction and approval of applied instructor.

379  Chamber Recital  1 Hour
The Chamber Recital provides opportunity to perform in the setting of duets, trio, and small groups, and to present an excerpt juried performance of the repertoire.
Prerequisites: At least five semesters of applied instruction and approval of applied instructor.

380  Piano Accompanying  1-4 Hours
This course is for music majors only. This course is designed to prepare the student to meet the functional keyboard accompanying demands of the public schools and to prepare the student to meet the necessary keyboard accompanying for school performances.
Prerequisite: Approval of instructor
Co-requisite: Applied Piano

390  Song Literature  2 Hours
Designed for the Fine Arts or Music Education major, this course explores art song literature from the baroque through contemporary time periods.
Prerequisites: Music major with voice as the primary instrument, or interest in choral music and/or permission of the instructor.
Co-requisites: Must be of junior standing or have permission of instructor.

470  Composition and Arranging III  1 Hour
Students will compose several arrangements, transcriptions, or original compositions utilizing larger forms.
Prerequisite: Successful completion of MUSC 271, MUSC 370, and MUSC 371.

471  Composition and Arranging IV  1 Hour
This course is a continuation of Composition and Arranging III. Outstanding works may be programmed by college performing ensembles.
Prerequisite: Successful completion of MUSC 271, MUSC 370, MUSC 371, MUSC 470.

490  Vocal Pedagogy Seminar  1 Hour
Designed for the Vocal Music major, this course explores the pedagogy of voice.
Co-requisites: Must be of junior standing or have permission of instructor.

493  Senior Project/Recital  1 Hour
The senior project/recital is considered the final gateway assessment for music majors. The project for the concentration areas of bluegrass music, music performance, vocal music, instrumental music will consist of at least thirty minutes of music. The project for music technology consists of the demonstration and application of technological skills as they apply to music. The project for bluegrass music will consist of forty minutes of music and/or portfolio review and/or internships review.
Prerequisite: All majors must have seven semesters of applied instruction and approval of applied instructor. For the Bluegrass major: Completion of Bluegrass Internships I-IV.
Course Offerings

Bluegrass Internship 1-6 Hours
This course is open only to BA in Music, bluegrass concentration students. This is an advanced bluegrass music studies course designed to provide an internship experience in various areas of bluegrass music. Internships may vary from on-campus, in-state, to out of state placements. Focus opportunities may vary from festival and theatre preparations to studio and band management skills. Unique placements occur each semester.

Prerequisite: Approval of the instructor

APPLIED MUSIC COURSES (MUSC)

Applied Course Numbers: All require approval of the instructor and must be taken in the indicated sequence.

Applied music courses at the 100 and 200 level are for freshmen and sophomores, respectively. Applied music courses at the 300 and 400 level are for juniors and seniors, respectively. All applied music courses are one credit hour.

<table>
<thead>
<tr>
<th>Instrument</th>
<th>MUSC</th>
<th>100</th>
<th>200</th>
<th>300</th>
<th>400</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bluegrass Banjo</td>
<td>MUSC</td>
<td>160, 161</td>
<td>260, 261</td>
<td>360, 361</td>
<td>460, 461</td>
</tr>
<tr>
<td>Bluegrass Bass</td>
<td>MUSC</td>
<td>164, 165</td>
<td>264, 265</td>
<td>364, 365</td>
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</tr>
<tr>
<td>Bluegrass Dobro</td>
<td>MUSC</td>
<td>178, 179</td>
<td>278, 279</td>
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<tr>
<td>Bluegrass Fiddle</td>
<td>MUSC</td>
<td>166, 176</td>
<td>266, 267</td>
<td>366, 381</td>
<td>483, 484</td>
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<tr>
<td>Bluegrass Guitar</td>
<td>MUSC</td>
<td>158, 159</td>
<td>258, 259</td>
<td>358, 369</td>
<td>458, 459</td>
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<tr>
<td>Bluegrass Mandolin</td>
<td>MUSC</td>
<td>162, 163</td>
<td>262, 263</td>
<td>362, 363</td>
<td>462, 463</td>
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<tr>
<td>Bluegrass Violin</td>
<td>MUSC</td>
<td>122, 123</td>
<td>222, 223</td>
<td>322, 323</td>
<td>422, 423</td>
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<tr>
<td>Clarinet</td>
<td>MUSC</td>
<td>134, 135</td>
<td>234, 235</td>
<td>334, 335</td>
<td>434, 435</td>
</tr>
<tr>
<td>Euphonium</td>
<td>MUSC</td>
<td>146, 147</td>
<td>246, 247</td>
<td>346, 347</td>
<td>446, 447</td>
</tr>
<tr>
<td>Flute</td>
<td>MUSC</td>
<td>136, 137</td>
<td>236, 237</td>
<td>336, 337</td>
<td>436, 437</td>
</tr>
<tr>
<td>French Horn</td>
<td>MUSC</td>
<td>148, 149</td>
<td>248, 249</td>
<td>348, 349</td>
<td>448, 449</td>
</tr>
<tr>
<td>Oboe</td>
<td>MUSC</td>
<td>138, 139</td>
<td>238, 239</td>
<td>338, 339</td>
<td>438, 439</td>
</tr>
<tr>
<td>Percussion</td>
<td>MUSC</td>
<td>152, 153</td>
<td>252, 253</td>
<td>352, 353</td>
<td>452, 453</td>
</tr>
<tr>
<td>Piano</td>
<td>MUSC</td>
<td>120, 121</td>
<td>220, 221</td>
<td>320, 321</td>
<td>420, 421</td>
</tr>
<tr>
<td>Saxophone</td>
<td>MUSC</td>
<td>154, 155</td>
<td>254, 255</td>
<td>354, 355</td>
<td>454, 455</td>
</tr>
<tr>
<td>Trombone</td>
<td>MUSC</td>
<td>144, 145</td>
<td>244, 245</td>
<td>344, 345</td>
<td>444, 445</td>
</tr>
<tr>
<td>Trumpet</td>
<td>MUSC</td>
<td>142, 143</td>
<td>242, 243</td>
<td>342, 343</td>
<td>442, 443</td>
</tr>
<tr>
<td>Tuba</td>
<td>MUSC</td>
<td>150, 151</td>
<td>250, 251</td>
<td>350, 351</td>
<td>450, 451</td>
</tr>
<tr>
<td>Voice</td>
<td>MUSC</td>
<td>124, 125</td>
<td>224, 225</td>
<td>324, 325</td>
<td>424, 425</td>
</tr>
</tbody>
</table>

Applied Music

Private instruction is offered for all listed instruments and voice. One hour of credit represents 50 minutes of instruction each week. Five hours of practice per week are recommended for each hour of credit. A lower grade may result if the student fails to meet the minimum requirement.

Students failing to inform their private instructor prior to an absence will be considered unexcused unless severe circumstances have intervened. Instructors will not be expected to make up an unexcused absence.

Jury examinations will be scheduled during the week prior to final examinations. These examinations are considered to be the equivalent of a final examination. The faculty jury may discuss and recommend, but the instructor retains the sole responsibility for the final semester grade. The fourth semester jury will be the mid program assessment for all music majors and must be passed to continue in the music program.
All applied students majoring in music will perform at department and public recitals when requested. When representing Glenville State College, the student must obtain permission before participating in any performance not sponsored by the Department of Music.

The final capstone course is the senior recital. Students must demonstrate their ability to perform successfully in their jury the semester before their senior recital. The successful completion of this course will demonstrate the musical maturity required and the organizational skills needed to prepare and perform musical events.

Students will be tested at the beginning of their first year to determine their piano proficiency and course placement. All music majors must pass a piano proficiency examination. All parts of the exam must be passed prior to Student Internship. Exams will be scheduled at the end of each semester during juries. If a student does not pass a part of the exam, the student may retake that portion of the exam the following semester. If there are three repeated failures in any category, then the student must retake the entire piano proficiency examination.

**Applied Major:** The normal sequence for the ten credit hours in the major consists of three semesters of two credits each and four semesters of one credit each. Applied majors will appear at juries and recitals each semester. **Seven semesters of one credit each are required for students entering the program effective the fall 2015.**

**Applied Minor:** The normal sequence of events for the four credits in the minor consists of four semesters of one credit each. The minor is required to appear only at a jury or in a recital performance, the choice being made by the instructor.

**NATURAL RESOURCE MANAGEMENT (NRMT)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td>Computer Assisted Mapping</td>
<td>3 Hours</td>
</tr>
<tr>
<td>201</td>
<td>Forest Ecology</td>
<td>3 Hours</td>
</tr>
<tr>
<td>234</td>
<td>GIS Application I</td>
<td>3 Hours</td>
</tr>
<tr>
<td>311</td>
<td>Natural Resource Permitting</td>
<td>3 Hours</td>
</tr>
<tr>
<td>312</td>
<td>Sustainable Trails Design &amp; Construction</td>
<td>2 Hours</td>
</tr>
</tbody>
</table>

125 **Computer Assisted Mapping**
Introduces students to basic Computer Assisted Mapping with major emphasis placed on the Land Surveying program area.

201 **Forest Ecology**
The study of local and regional forest communities and those environmental factors, such as light, temperature, moisture, soils, affecting their structure. *(Required laboratories included)*

234 **GIS Application I**
A study of the fundamentals of the geographic information systems (GIS) technology. Relevance of GIS technology with other disciplines and applications of GIS technology to solution of practical problems in land surveying, forest technology, environmental technology, social sciences and physical sciences is studied. This course includes a service learning component.

311 **Natural Resource Permitting**
A multi-state study of the federal and state statutes, rules and regulations governing environmental permitting in the Appalachian region.

312 **Sustainable Trails Design & Construction**
This course deals with the proper design, construction, maintenance, and leadership skill required to develop environmentally sustainable, natural surface trails for hiking, biking, and equestrian activities.
Course Offerings

GIS Applications II 3 Hours
This applied course will include the building of geodatabases from a variety of data sources. Students will create and/or expand a local geographic information system.
Prerequisite: NRMT 234.

Flora of West Virginia 3 Hours
Recognition and identification of common native and introduced vascular plants. Includes the basic principles of plant taxonomy and description of the floristic regions of West Virginia. Cross-listed as BIOL 351.
(Required laboratories included)

Energy Resource Law 3 Hours
A study of the law concerning legal rights and duties in coal, oil and gas, and timber operations.

Natural Resource Management 3 Hours
A comprehensive study of North American natural resources with an emphasis on renewable natural resources. Ecological, economical and political factors will be integrated into a framework for understanding the interaction between natural and social processes.
Prerequisite: BIOL 400 and ENVR 352 or permission of department chairperson.

NONPROFIT LEADERSHIP AND MANAGEMENT (NPLM)

Introduction to Nonprofit Organizations 3 Hours
This course is designed to provide knowledge of the philosophy and role of nonprofit organizations. Exploration of career possibilities in the nonprofit sector is emphasized. The development and planning of a nonprofit organization are investigated.

Nonprofit Practices and Procedures 3 Hours
This course is designed to provide knowledge of fundraising and grant proposals, risk and crisis management, public relations and volunteer management in nonprofit organizations. Managing financial resources and volunteers is emphasized. Challenges in youth development are explored.

Internship I 1-4 Hours
This course allows students to gain valuable experience working in nonprofit organizations. Job search and employable skills are emphasized. This course is credit/no credit only.
Prerequisites: NPLM 101, NPLM 201 and Junior or Senior status.

NURSING (NURS)

Introduction to Nursing 2 Hours
This course looks at the role of the nurse in modern health care. The course involves critical thinking along with nursing interventions, professionalism, caring and communication. An emphasis is placed on safety, quality, health, culture, ethics, leadership and health policy in the profession of nursing.
OUTDOOR RECREATION (OREC)

101  Introduction to Rock Climbing  1 Hour
This course is designed to provide the student with the skills and experience to enjoy the sport of rock climbing as well as other vertical endeavors. The focus of this course is on rope work, anchor building, rappelling, and top rope climbing. Classes will be held in the classroom on the climbing wall, and on local rock cliffs. Participation in scheduled field activity is required.

102  Fly Fishing  1 Hour
Starting out on the Little Kanawha River, students will learn how to fly cast. The student will also gain knowledge on the progression of casting and reeling in a fish. Through this course, students will understand the habitat of fish. Students will be able to identify what fish feed on and where they lay on the bottom of the river. Participation in scheduled field activity is required.

120  Canoe, Flat Water Travel  1 Hour
This basic-level course will teach canoe travel in a flat and slow moving water situation. Students will learn the basic strokes with a canoe paddle, boat packing, canoe design, camping, safety, and rescue. Participation in scheduled field activity is required. Participation in scheduled field activity is required.

130  Ski/Snowboarding Fundamentals  1 Hour
This course is designed for students, whether beginners or experts, who wish to learn the fundamentals of both skiing and snowboarding. Students will have an opportunity to fine-tune skills with the aid of the instructor. Students will then be able to develop an understanding of how to teach others the techniques required for skiing and snowboarding in a safe and enjoyable manner. Participation in scheduled field activity is required.

200  First Aid for the Professional Rescuer  1 Hour
Course content and activities will prepare participants to make appropriate decision about the care to provide in an emergency to help sustain life, reduce pain, and minimize the consequences of injury or sudden illness until more advanced assistance can arrive on the scene. Students will be given the opportunity to earn American Red Cross certification within this course.

201  Introduction to Outdoor Leadership  2 Hours
Students will acquire the leadership skills necessary to guide others through outdoor recreation excursions. This course is a gateway to becoming a High Adventure trip leader. This course is designed to assist students in gaining the experience necessary to work in the West Virginia Tourism industry. Topics will include trip preparation, outdoor leadership competencies, team building, group management, and safety management. Participation in scheduled field activity is required.

202  White Water Skills  1 Hour
This course is an introduction to whitewater paddling. Students will learn the basic parts of a kayak and the strokes necessary to paddle through Class 3 whitewater. Students will take a trip to the New River in order to utilize and demonstrate the procedures practiced in the campus pool. Participation in scheduled field activity is required.

210  Map, Compass, and GPS Travel  1 Hour
Students will demonstrate the practical application of map, compass, and wilderness navigation. Students will understand such concepts as field bearings, declination, and contour line interpretation. This course will also utilize the latest technology in GPS receiver utilization, understanding map types, applying scales, and proper use of coordinate systems. Participation in scheduled field activity is required.
Course Offerings

220  Backpacking and Back Country Living  1 Hour
This course includes field experiences, lectures, and demonstrations in backpacking fundamentals. Topics include the cooking fire and stove use, equipment, safety, nutrition, and map reading skills. Participants will hike on area trails. Application of experiential learning is made by planning, organizing, and participating in a weekend, overnight backpacking trip. Students will learn and display “Leave No Trace” (LNT) ethics while on trips. Participation in scheduled field activity is required.

297  Summer Internship  6 Hours
Through this 10-week, summer internship, students will be able to integrate and apply what they have learned in the skills courses they have taken. At an established outfitter in the state, students will gain valuable knowledge by working in the West Virginia Tourism industry. Working through the summer, students will be expected to keep a journal of all of their accomplishments as one of the course requirements.

Prerequisites: Four skills courses completed or permission of program advisor.

PHYSICAL EDUCATION (PED)

106  Weight Lifting and Conditioning  2 Hours
This course will cover the principles as well as the practical applications of weight lifting and conditioning.

119  Body Mechanics and Conditioning  1 Hour
An off-season training and conditioning program limited to student-athletes in preparation for the upcoming sport season. Non-athletes may register with consent of department chair.

121  Foundations of Physical Education and Sport  2 Hours
This course will analyze physical education and sport, their backgrounds and current trends, as well as their psychological, sociological and educational implications for American culture.

130  Recreational Sports  1 Hour
This course will acquaint the student with the basic rules, skills, terminology, and strategies relative to table tennis, billiards, shuffleboard, horseshoes, and other lifetime sports.

131  Introduction to Athletic Training  3 Hours
This course will be designed as a general overview and basic introduction to the many facets of sports medicine/athletic training and the role of the athletic trainer (i.e., record keeping, initial injury evaluation and treatment, legal concerns).

Prerequisites: PED 201 or consent of department chairperson.

132  Individual and Dual Sports  3 Hours
This course will cover the principles, practical applications, guidelines, and major physical education concepts involved in individual and dual sports.

136  Team Sports  3 Hours
This course will cover the basic rules, skills, practical applications, terminology, and strategies relative to team sports.

201  First Aid and Safety  1 Hour
This course stresses the functional first aid capabilities required to provide the initial emergency care necessary to sustain life and to maintain life support until the victims of an accident or sudden illness are cared for by qualified personnel.
### Course Offerings

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>219</td>
<td>Body Mechanics and Conditioning</td>
<td>1 Hour</td>
<td>An off-season training and conditioning program limited to student-athletes in preparation for the coming sport season. Non-athletes may register with permission of department chair.</td>
</tr>
<tr>
<td>223</td>
<td>Dance and Aerobics</td>
<td>1 Hour</td>
<td>This course will cover various aerobic activities, dance and movement exploration. Emphasis will be placed on adapting these skills to the developmentally appropriate levels, while incorporating current styles and practices with regard to movement forms.</td>
</tr>
<tr>
<td>224</td>
<td>Assisting in Sports/Camps/Intramurals/Coaching</td>
<td>2 Hours</td>
<td>This course will cover the techniques and strategies for organizing and administering a sound intramural and sport specific camp program. Students will study the managerial skills common to coach all sports, the strategies for developing philosophies, the techniques used for off-season preparation, the planning of pre-season and practice events, and the effective ways of dealing with public and community relations.</td>
</tr>
<tr>
<td>230</td>
<td>Intramural Development</td>
<td>2 Hours</td>
<td>This course will cover the techniques and strategies for organizing and administering a sound intramural program. Co-requisite: 30 clock hours assisting in the operation of the Glenville State College Intramural program.</td>
</tr>
<tr>
<td>232</td>
<td>Philosophy and Techniques of Sport Coaching</td>
<td>2 Hours</td>
<td>The study of managerial skills common to coaching all sports: developing philosophies, off-season preparation, pre-season and practice planning, recruiting, public and community relations, budgeting and scheduling.</td>
</tr>
<tr>
<td>265</td>
<td>Diversity and Ethics in Sport</td>
<td>3 Hours</td>
<td>This course provides an exploration of how historical and contemporary forces in society have shaped the opportunities and experiences of various cultural groupings in the realm of American sport. The course also acts as introductory examination of ethical issues that arise in the sport business, providing an analysis of ethical issues facing youth, interscholastic, intercollegiate, Olympic, professional, and business sport entities.</td>
</tr>
<tr>
<td>319</td>
<td>Body Mechanics and Conditioning</td>
<td>1 Hour</td>
<td>An off-season training and conditioning program limited to student-athletes in preparation for the coming sport season. Non-athletes may register with permission of department chair.</td>
</tr>
<tr>
<td>325</td>
<td>Athletic Coaching Administration</td>
<td>3 Hours</td>
<td>The study of managerial skills common to coaching all sports: developing philosophies, off-season preparation, pre-season and practice planning, recruiting, public and community relations, budgeting, and scheduling.</td>
</tr>
<tr>
<td>326</td>
<td>Physical Education in the Elementary Schools</td>
<td>2 Hours</td>
<td>This course will provide the student with the knowledge and understanding of games, activities and rhythms applicable to the appropriate developmental level. Emphasis will also be placed on movement education as a curricular model. Prerequisites: EDUC 203, EDUC 205. Co-requisites: Ten hours of observation and participation in an elementary school Physical Education setting clinical and field experience.</td>
</tr>
<tr>
<td>327</td>
<td>Adapted Physical Education</td>
<td>2 Hours</td>
<td>This course will cover theories, understandings and practical strategies that will enhance the maximum physical development of handicapped children. Prerequisites: PED 121. Co-requisite: Special Olympic Assignment or its equivalent.</td>
</tr>
</tbody>
</table>
324 Course Offerings

332 Kinesiology  3 Hours
Exploration of human movement involving muscle function, location, leverage of motion and analysis of specific sport skills.
Prerequisite: BIOL 309 and BIOL 310 (BIOL 310 may be taken currently).

333 Motor Learning and Development  2 Hours
This course is designed as an introductory course in motor behavior encompassing the areas of motor learning and motor development. The course emphasis is on the application of principles which affect behavior, learning and performance. Prerequisite: PED 121

410 Measurement in Physical Education  2 Hours
This course will provide introduction to statistical measurement techniques for evaluating physical education students’ performance. The student will administer, score and interpret standardized and sports skill measuring instruments. Emphasis will be placed on assessment, test planning and instruction.
Prerequisites: PED 121 - Junior or Senior status or consent of department chairperson.

419 Body Mechanics and Conditioning  1 Hour
An off-season training and conditioning program limited to student-athletes in preparation for the coming sport season. Non-athletes may register with instructor’s permission.

421 Exercise Physiology  3 Hours
A study of the human body’s physical adaptation as it reacts to the stresses of physical activity.
Prerequisites: BIOL 309 and BIOL 310.

450 Professional Skills and Career Planning in Sport  3 Hours
A course designed to provide students with advanced knowledge concerning professional applications in sport, resume development, career opportunities in sport, job search tactics, effectively applying and interviewing for potential jobs.
Prerequisites: CSCI 101, CART 101 and instructor approval.

PHYSICS (PHYS)

201 General Physics I  4 Hours
This is a first course in college physics. Physical phenomena explored include mechanics, heat, thermodynamics, and sound waves. Solution of problems from everyday experiences and discovery learning is emphasized in both lecture and laboratory work. (Required laboratories included)
Prerequisites: MATH 115 with a grade of “C” or higher.

202 General Physics II  4 Hours
This is a continuation of Physics 201. Physical phenomena explored include wave mechanics, light and optics, electricity and magnetism, and nuclear physics. Solution of problems from everyday experiences and discovery learning is emphasized in both lecture and laboratory work. (Required laboratories included)
Prerequisite: PHYS 201 with a grade of “C” or higher.

209 General Geology  4 Hours
A general course including both physical geology and historical geology. About 50% of the time is spent in laboratory and field experiences. (Required laboratories included)
304 Problems in Physics 3 Hours
Object of this course is to give work in the solution of problems of physics beyond that covered in the general course in physics.
Prerequisite: PHYS 201 and PHYS 202.

310 General Astronomy 4 Hours
A survey course in astronomy with emphasis on the Solar System, Stellar and Galaxy formations and Cosmology. Laboratory experiences are provided which include numerous night sky observations.
Required laboratories included

341 Nuclear Physics 3 Hours
The fundamentals of nuclear chemistry including: nuclear structure, nuclear forces, radioactive decay modes, kinetics of radioactive decay, radiation detection and measurement, interactions of radiation with matter, and applications of radioactive tracers.
Prerequisites: CHEM 102 and PHYS 202 with a grade of “C” or higher.
Cross-listed as CHEM 341.

345 Introductory Chemical Physics 4 Hours
An introductory course in physical chemistry covering thermodynamics, physical and chemical equilibria, kinetics, quantum chemistry, and spectroscopy.
(Required laboratories included)
Prerequisites: CHEM 102, MATH 202 and PHYS 202 with a grade of “C” or higher.
Cross-listed as CHEM 345.

350 Modern Physics 3 Hours
Modern physics isn’t so modern. Inadequacies in the classical theories of Newtonian mechanics and Maxwell’s electromagnetism were widely recognized by physicists at the turn of the century. This course starts with a historical account of the experimental evidence that motivated the development of relativity theories and Quantum Mechanics. With these new models, the course details a modern picture of space-time, the atom’s electronic and nuclear structure, with applications in chemistry, solid state electronics, and nuclear physics.
Prerequisites: MATH 202 and PHYS 202 with a grade of “C” or higher.

493 Senior Research Seminar 2 Hours
This course is designed to provide senior physics students with the opportunity to perform research and discuss critical issues in physics. Students will gain presentation experiences as well as review various concepts in physics. This course also serves as the capstone course for the physics program and senior assessment.
Prerequisites: Approval of Instructor.

POLITICAL SCIENCE (POSC)

203 American National Government 3 Hours
This course is an introduction to the structure, organization, political processes, and selected policies of the American National Government.

204 State and Local Government 3 Hours
A study of the three branches of state government and an examination of the structure and functions of local and municipal governments.
Prerequisite: POSC 203.
304 Comparative Government 3 Hours
A study of methods of comparing political systems and an examination of the world’s major types of government.
Prerequisite: POSC 203.

309 Civil Liberties 3 Hours
A study of constitutional rights and their sources—principally amendments 1-8 and 14 of the U.S. Constitution. The course focuses on cases decided by the Supreme Court, which arise when the need for governmental control comes into conflict with established individual freedom.
Prerequisites: POSC 203.

310 The American Presidency 3 Hours
A specialized study of the American Presidency with special emphasis on the politics of selection and on Presidential roles.
Prerequisites: POSC 203.

325 U.S. Foreign Relations 3 Hours
A study of contemporary United States foreign policy. This course concentrates on the making of U.S. foreign policy and selected current foreign policy issues.
Prerequisites: POSC 203.

390 Introduction to Public Administration 3 hours
This course will provide the student with the general principles of management and administration including special emphasis on public decision making, budgeting, human resources, and leadership in the public sector. Cross-listed as SOCL 390.
Prerequisites: POSC 204.

401 International Relations 3 Hours
A study of the elements of national policy, motivations and goals of nation-states, problems of conflicting interests and prospects for the future international system.

493 Senior Project 2 Hours
A senior project, normally a major research paper. Students in this course will be asked to complete one or more assessment exercises. Required of all history and political science majors. Cross-listed as HIST 493.
Prerequisites: Senior standing, History and Political Science Major or History or Political Science minor.

PSYCHOLOGY (PSYC)

201 General Psychology 3 Hours
A survey of topics and research within the major fields of psychology to give students an understanding of basic concepts, principles, theories and methods used in the scientific study of behavior.

250 Lifespan Development 3 Hours
A survey of topics and research within lifespan development covering the time periods of conception to death. Students will develop an understanding of the physical, emotional, social, and cognitive development of people from infancy through late adulthood.
Prerequisites: PSYC 201.

310 Abnormal Psychology 3 Hours
A study of the nature of abnormality with emphasis given to the descriptions, causes and treatments of the major types of psychopathology.
330 Social Psychology 3 Hours
A study of the factors including social behavior emphasizing experiments dealing with socialization, conformity, attitude change, aggression, social interaction, group process and related topics.
*Cross-listed as SOCL 330.*

340 Comparative Psychology 3 Hours
Comparative psychology originated from the intersection of experimental psychology and evolutionary biology. Comparative Psychologists explore the evolution and development of behavior, using laboratory and field methods of observation, in a wide variety of species (hence, “comparing” species). The main goal is to uncover common and divergent behavioral processes among species, including humans. We will explore behavioral abilities across the animal world and what that tells us about brain evolution, including animal intelligence, learning and memory, reproductive and social behavior.
*Prerequisite: PSYC 201.*

345 Evolutionary Psychology 3 Hours
This course will provide a comprehensive view of human evolution and the evolutionary basis of human behavior. We will explore the foundations of evolutionary theory and its explanation of the history of life on Earth. Human evolution will be studied from the larger perspective of animal evolution. Major emphasis will be placed in the understanding of the evolutionary forces that shaped the human brain, human cognitive processes, human sexual behavior, and the coevolution of genes and culture.
*Prerequisite: PSYC 201.*

360 Psychology of Human Sexuality 3 Hours
An examination of topics relating to the biological, psychological, behavioral, clinical, and cultural dimensions of human sexuality.

380 Drugs and Human Behavior 3 Hours
An in-depth exploration of psychoactive drugs and their effects on the nervous system and on human behavior. Emphasis will be on the physiological and behavioral effects of drugs of abuse (such as alcohol, cocaine, and amphetamine) but this course will also cover psychotherapeutic drugs (such as antidepressants and antipsychotics). Theories of drug addiction and issues regarding prevention/treatment of drug addiction will also be discussed.
*Prerequisite: PSYC 201 or consent of department chairperson.*

390 Learning and Memory 3 Hours
This course covers the behavioristic paradigms of learning, classical and operant conditioning and social learning theory, the Behavioral roots of cognitive psychology and the cognitive revolution, and then goes on to the cognitive paradigm’s concepts of prototypes, categorical and schematic representations, the information processing paradigm, structures and processes of human memory, encoding, storage, retrieval, interference and forgetting.
*Prerequisite: PSYC 201.*

420 Theories of Personality 3 Hours
A survey of the history, major concepts, research and theories dealing with personality development, change, differences and assessment.
*Prerequisites: PSYC 201 and PSYC 310.*

450 Perception and Cognition 3 Hours
This course will cover the “back end” of cognition of higher level functions: attention and pattern perception, Constructivism/Gestalt/Ecological Optics, information processing, structures and processes of memory, schema theory, knowledge organization and representation, language, speech and language perception, thinking, reasoning, concept formation, critical thinking, decision making and problem solving.
*Prerequisite: PSYC 201.*
Course Offerings

460  Clinical Applications/Tests and Measurements  3 Hours
An introduction to applied and professional psychology. Topics will include: clinical psychology, counseling psychology, school psychology, psychometrics (tests/measures), and industrial/organizational psychology. An overview of the theoretical and substantive principles/tools in each of the areas of professional psychology.
Prerequisites: PSYC 201 and PSYC 310.

493  Senior Seminar  3 Hours
The Senior Seminar is the “capstone” to the educational experiences in the fields of Psychology and Sociology. It serves the same purpose as a thesis for Masters students and a dissertation for Doctoral students. It is a demonstration of the student’s ability to carry out, present, and critically evaluate research. This course includes a service learning component.
Prerequisites: SOCS 293 and Senior status.

READING (READ)

317  Teaching Reading in Middle and Adolescent Education  3 Hours
This course is designed to provide a background in methodology and organizational systems necessary for teaching reading in middle and adolescent education. There is a special emphasis on reading in the content areas.
Prerequisite: Admission to Teacher Education.

318  Teaching Reading/Language Arts in Early and Middle Childhood Education (K-6)  4 Hours
This course is designed to provide a background in methodology and organizational systems necessary for teaching reading and language arts in early and middle childhood education.
Prerequisite: Admission to Teacher Education.

414  Diagnostic and Prescriptive Teaching of Reading  2 Hours
This course is designed to develop competency in identification and correction of reading difficulties in early and middle childhood education within the classroom setting.
Prerequisites: Admission to Teacher Education and successful completion of READ 317 or READ 318.
Co-requisite: Participation in an elementary public school experience.

RESORT AREA MANAGEMENT (RMGT)

201  Introduction to Hospitality and Tourism  3 Hours
This course will introduce students to the hospitality and tourism industry. Throughout the course students will gain the basic knowledge of the following industry specific components: food and beverage; travel and tourism; hotel lodging; and event and conference planning. Students will study the economic impact of hospitality and tourism industries as well as potential career opportunities in hospitality related fields.

301  Fundamentals of Lodging Operations  3 Hours
This course will provide students with a basic understanding of lodging operations with specific knowledge of the following areas: front desk, housekeeping, and maintenance and engineering. The course will also address topics related to the management strategies of hotel operations.
Prerequisite: RMGT 201
Course Offerings

302 Food and Beverage Operations 3 Hours
Students will receive a basic understanding of the organization, administration, and operation of food and beverage service operations. Studies will include elements of purchasing, cost control and analysis, storage, service, and sanitation.
Prerequisite: RMGT 201

313 Resort Area Management 3 Hours
This course provides the student with the basic knowledge to perform the following procedures and responsibilities in resort area management: facilities planning, program organization, staffing personnel, advertising and public relations, and financial administration.
Prerequisites: RMGT 201 or SMGT 130
Cross-listed as SMGT 313

330 Event and Facilities Management
This course addresses the procedures and functionality of event planning, focusing specifically on the organization, function, and operations of meeting facilities, conference and convention centers, and sporting facilities. Students will gain a broad understanding of sales markets, meeting activities, and service standards for event planning. Students will learn elements of organization, operations, and purpose of convention and sporting facilities, specifically covering topics of feasibility, marketability, and functionality of facilities.
Prerequisites: RMGT 201 or SMGT 130.
Co-requisites: Twenty (20) clock hours assisting in the operation meeting, convention, or athletic events.
Cross-listed as SMGT 330.

401 Advanced Lodging Operations 3 Hours
This course will provide students with an advanced understanding of lodging operations with special attention given to hotel management, human resources, accounting, advertising and marketing, housekeeping, and maintenance. The course will also address topics related to the development of new lodging establishments.
Prerequisites: RMGT 201, RMGT 301

497 Internship II 3 Hours
This course is designed to be an integrating, “hands-on” experience in a resort operation and is open only to baccalaureate resort area management majors. RMGT 497 is considered to be the culminating experience of the Resort Area Management major within the specific content area and is recommended to be taken in the last semester of academic requirements.
Prerequisites: RMGT 201, RMGT 301, RMGT 302, RMGT 313, RMGT 330 and RMGT 401
Co-requisites: Consent of advisor and a 2.0 overall grade point average.

SAFETY EDUCATION (SAFE)

327 Legal Aspects and General Safety 2 Hours
This course includes legal aspects of school safety and accident prevention.

338 Emergency Services and Disaster Preparedness 3 Hours
Procedures for establishing and implementing emergency services and disaster preparedness programs.
Prerequisites: SAFE 327 or consent of department chairperson.
330 Course Offerings

SCIENCE (SCNC)

101 Earth Science 4 Hours
This course is designed for non-science majors to gain an understanding of astronomy, meteorology, and geology; includes laboratory experiences. (Required laboratories included)

Prerequisites: ACT Math score of 18 or higher; or SAT Math score of 430 or higher; or new SAT Math score of 470 or higher; or COMPASS Algebra score of 32 or higher; or completed MATH 106L or higher with a “D” or higher; or consent from the Chairperson of the Science and Mathematics Department.

102 Nature of Sound and Light 4 Hours
This course is designed for non-science majors to gain an understanding of fundamental wave mechanics as applied to sound and light. The wave mechanics will be connected to music and color, with an introduction to mathematical ratios that define musical scales. Laboratory activities will involve the use of electronic sensors to analyze waveforms from both light and sound, and will also involve the design, construction, and evaluation of simple musical instruments. 3-1 hour lectures, 1-3 hour lab. (Required laboratories included)

Prerequisites: ACT Math score of 18 or higher; or SAT Math score of 430 or higher; or new SAT Math score of 470 or higher; or COMPASS Algebra score of 32 or higher; or MATH 106L or higher with a “D” or higher; or consent from the Chairperson of the Science and Mathematics Department.

103 Contemporary Biology 4 Hours
This course is designed for non-science majors to gain an appreciation and understanding of fundamental concepts of biology with an emphasis on the application of basic biological principles to contemporary issues and problems. Topics covered will include the scientific method, cells, cellular metabolism, genetics, biotechnology, evolution, biodiversity, ecology, environmental science, anatomy and physiology. Students will achieve basic scientific literacy with a goal of improved critical thinking, writing, and problem-solving skills. This course meets weekly for 3-1 hour lectures and 1-3 hour laboratory. (Required laboratories included)

Prerequisites: ACT Math score of 18 or higher, or SAT Math score of at least 430 or higher; or new SAT Math score of 470 or higher; or COMPASS® Algebra score of 32 or higher; or MATH 106L or higher with a “D” or higher; or consent of the Chairperson of Science and Mathematics Department.

104 Forensic Chemistry 4 Hours
This course is designed for non-science majors to gain an appreciation and understanding of fundamental concepts of chemistry through their interest in crime and criminal investigations. Connections between the chemical concepts and forensic topics will be emphasized throughout the course. The laboratory activities will reinforce the chemistry concepts and introduce analytical instrumentation or methodology used in a crime investigation laboratory. This course meets weekly for three lecture hours and three laboratory hours. (Required laboratories included)

Prerequisites: ACT Math score of 18 or higher, or SAT Math score of at least 430 or higher; or new SAT Math score of 470 or higher; or COMPASS® Algebra score of 32 or higher; or MATH 106L or higher with a “D” or higher; or consent of the Chairperson of Science and Mathematics Department.

105 Nature of Science and Engineering Practices 1 Hour
Science 105 is a laboratory course with emphases on the mastery and application of scientific and engineering practices as delineated in A Framework for K-12 Science Education published by the National Research Council in 2012.

Laboratory 3 hours

204 Life Sciences for Elementary Education Majors 3 Hours
A laboratory-based course with emphases on the mastery and application of life science concepts as delineated in A Framework for K-12 Science Education published by the National Research Council in 2012. Counts as a General Studies requirement for Elementary Education Majors.

Prerequisites: SCNC 105 and eligible to enroll in MATH 115.
205  **Physical Science for Elementary Education Majors**  3 Hours  
Science 205 is a laboratory-based course with emphases on the mastery and application of physical science concepts as delineated in *A Framework for K-12 Science Education* published by the National Research Council in 2012. Completions of a JASON Project unit, an all-day NASA IV&V and/or Robert C. Byrd Institute engineering workshop, and a PASCO workshop are required. Counts as a General Studies requirement for Elementary Education Majors. *(Required laboratories included)*  
**Prerequisites:** SCNC 105 and eligible to enroll in MATH 115.

305  **Earth Sciences for Elementary Education Majors**  3 Hours  
Science 305 is a laboratory-based course with emphases on the mastery and application of earth/space science concepts as delineated in *A Framework for K-12 Science Education* published by the National Research Council in 2012. Counts as a General Studies requirement for Elementary Education Majors. *(Required laboratories included)*  
**Prerequisites:** SCNC 204, SCNC 205, and Admission to Teacher Education.

405  **Pedagogical Practices and Classroom Instruction**  2 Hours  
Science 405 is a laboratory-based course with emphases on mastery of pedagogical theories, practices and research skills advocated in the National Science Teachers Association for Science Teacher Preparation (2003, 2012) for elementary school science instruction. *(Required laboratories included)*  
**Prerequisites:** SCNC 305 and Admission to Teacher Education.

**SOCIAL SCIENCE (SOCS)**

225  **Introduction to Global Studies**  3 Hours  
An introductory survey course designed to thematically examine the impact of globalization on various cultures and regions from an interdisciplinary perspective. An interdisciplinary theme is adopted which incorporates various theoretical and methodological perspectives from six social science disciplines: anthropology, geography, economics, political science, psychology and sociology. Emphasis is placed on the increased interconnectedness between world regions and the various and uneven impact this has on people’s daily lives.

293  **Research Methods in Psychology**  3 Hours  
Study of scientific methodology in psychology, including experimental and observational techniques. Topics include problem identification and hypothesis formation, research design, application of statistics, collection and interpretation of data, computer usage, and research report writing.  
**Prerequisites:** Minimum of 12 hours in Social Sciences including PSYC 201 and SOCL 205 and MATH 105 or higher with a grade “C” or higher.

314  **Social Studies in Early and Middle Childhood Education**  2 Hours  
This course presents a survey of instructional methods aimed at organizing and integrating social studies content appropriate for early and middle childhood education. The basic principles of social studies content, principles and methodology coupled with planning, evaluating developmentally appropriate learning experiences are emphasized.  
**Prerequisite:** Admission to Teacher Education.  
**Co-requisite:** Directed observation/active participation in public schools.
332 Course Offerings

SOCIOLOGY (SOCL)

105 Interviewing and Counseling 3 Hours
A general introduction to interpersonal communication skills and techniques, securing and evaluating data, use of self in relationships, client-worker contracts, confidentiality, need definition, and counseling, advice and information sharing.

205 Principles of Sociology 3 Hours
An introductory course examining human groups — how they are produced and how they affect human behavior. Students are acquainted with the way sociological research is conducted. Human behavior in groups is addressed through a survey of basic sociological concepts such as: culture, social organization and change, socialization, stratification, family, religion, etc.

209 Social Problems 3 Hours
A study of major contemporary social problems such as poverty, crime, racism, drugs, population and environment. A global perspective shows how this country’s social problems are linked to what is happening worldwide. Attention is given to using critical thinking skills to evaluate differing views of and solutions for social problems.

304 Marriage and Family 3 Hours
A study of the institutions of the family and marriage, including various ethnic family structures of marriage is addressed by dealing with topics starting with mate-selection and sex roles to marital dynamics, parenting, divorce and remarriage. Areas such as communication and family violence are addressed as are alternative lifestyles.

309 Case Management 3 Hours
This course will begin with an overview of both the derivation and the current state of the practice of case management. The primary emphasis however will be on the development of a basic understanding of the core functions of case management which will include hands on skill building projects and activities. The course is meant to be both conceptual and practical.
Prerequisite: SOCL 105.

312 Criminology 3 Hours
The major theories of crime causation ranging from classical to contemporary conceptions of criminal behavior will be presented in this course. Students interested in a career in law enforcement, adult or juvenile corrections, law, private or industrial security, counseling or people who are simply interested in crime and deviant behavior will enjoy examining these theories.
Prerequisite: CRJU 111.

330 Social Psychology 3 Hours
A study of the factors including social behavior emphasizing experiments dealing with socialization, conformity, attitude change, aggression, social interaction, group process and related topics.
Cross-listed as PSYC 330.

34 Death and Dying 3 Hours
Death and Dying explores the issues and problems that mortality presents to modern American society. The topics examined in this course include attitudes toward death, the dying patient/person, the role of the caregiving professional, death and children, grief, legal aspects of death, the funeral, widowhood, suicide, and moral and ethical issues surrounding death. The course integrates the historical, psychological and sociological perspectives on these issues with emphasis on the sociological.
### Course Offerings

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>390</td>
<td>Introduction to Public Administration</td>
<td>3</td>
<td>This course will provide the student with the general principles of management and administration including special emphasis on public decision making, budgeting, human resources, and leadership in the public sector. Cross-listed as POSC 390.</td>
</tr>
<tr>
<td>Prerequisites:</td>
<td>SOCL 205.</td>
<td></td>
<td></td>
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<tr>
<td>402</td>
<td>Minority Groups</td>
<td>3</td>
<td>A study of racial and ethnic minorities with an emphasis on the causes and effects of prejudice and discrimination in relation to minority and majority groups.</td>
</tr>
<tr>
<td>Prerequisites:</td>
<td>SOCL 205 and SOCL 209.</td>
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</tr>
<tr>
<td>493</td>
<td>Senior Seminar</td>
<td>3</td>
<td>The Senior Seminar is the “capstone” to the educational experiences in the fields of Psychology and Sociology. It serves the same purpose as a thesis for Masters students and a dissertation for Doctoral students. It is a demonstration of the student’s ability to carry out, present, and critically evaluate research. This course includes a service learning component.</td>
</tr>
<tr>
<td>Prerequisites:</td>
<td>SOCS 293 and Senior status.</td>
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### SPANISH (SPAN)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>Elementary Spanish I</td>
<td>3</td>
<td>An introduction to Spanish as a second language, emphasizing pronunciation, oral comprehension, speaking, reading, writing, vocabulary and grammar. The course presumes no prior knowledge of the language.</td>
</tr>
<tr>
<td>102</td>
<td>Elementary Spanish II</td>
<td>3</td>
<td>Continuation of SPAN 101 with an emphasis on conversation and writing within an authentic cultural context.</td>
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<tr>
<td>Prerequisite:</td>
<td>SPAN 101.</td>
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<tr>
<td>170</td>
<td>Spanish Conversation &amp; Culture</td>
<td>3</td>
<td>This course is open to learners of Spanish at all levels who are interested in practicing conversation skills, as well as increasing their knowledge of Spanish (Iberian) culture. In those classes dedicated primarily to culture, English will be the language of instruction. In those classes dedicated primarily to conversation, Spanish will be the language of instruction. One unique and exciting feature of this course is that it contains a six-week segment of COIL (Collaborative Online International Learning) activities. Students will be collaborating with students at the University of Oviedo who are completing a Master’s degree in Teacher Education.</td>
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<tr>
<td>Prerequisites:</td>
<td>SPAN 101 and SPAN 102.</td>
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<tr>
<td>204</td>
<td>Intermediate Spanish II</td>
<td>3</td>
<td>Major emphasis on improving conversational skills, reading development and writing skills with grammar reviews where appropriate.</td>
</tr>
<tr>
<td>Prerequisites:</td>
<td>SPAN 101, SPAN 102 and SPAN 203.</td>
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<tr>
<td>302</td>
<td>Advanced Spanish Grammar, Reading and Composition</td>
<td>3</td>
<td>Major emphasis on improving conversational skills, reading development and writing skills with grammar reviews where appropriate. Class discussion in Spanish and reinforced in Spanish lab.</td>
</tr>
<tr>
<td>Prerequisite:</td>
<td>SPAN 204.</td>
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## Course Offerings

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>303</td>
<td>Spanish Syntax</td>
<td>3 Hours</td>
<td>A study of Spanish syntax including a complete review of the grammar covered in SPAN 101, 102, 203, and 204. This course is designed to prepare students for further studies in Spanish language and Hispanic literature, and to improve overall fluency in the language. <strong>Prerequisite:</strong> SPAN 102, or three years of high school Spanish, or equivalent. <strong>Co-requisite:</strong> SPAN 204.</td>
</tr>
<tr>
<td>304</td>
<td>Spanish Phonetics and Phonology</td>
<td>3 Hours</td>
<td>A study of the sound system of Spanish with an emphasis on correct pronunciation, oral comprehension, and speaking skills. <strong>Prerequisite:</strong> SPAN 204 or equivalent.</td>
</tr>
<tr>
<td>305</td>
<td>Spanish Civilization and Culture</td>
<td>3 Hours</td>
<td>This course will examine those things which define Spanish culture. This course will take a critical look at the constructions of Spain and Spanish. Further, students will be provided with the tools to facilitate a critical examination of the Spanish culture. Students will examine globalization, race and immigration, notions of gender and sexuality, and the cultural memory of the Spanish Civil War. <strong>Prerequisites:</strong> SPAN 101 and SPAN 102.</td>
</tr>
<tr>
<td>308</td>
<td>Survey of Hispanic Literature in English</td>
<td>3 Hours</td>
<td>This course will introduce students to Spanish and Latin American literary works in their English translation. No knowledge of the Spanish language is necessary. The texts will be studied in context and will include the literary genres of drama, short story and the novel. Some themes that this course will explore are physical and emotional imprisonment, violence, family/nation, liberation/repression, and woman as subject/object.</td>
</tr>
<tr>
<td>310</td>
<td>Latin American Civilization and Culture</td>
<td>3 Hours</td>
<td>This course will focus on the history of Latin American cultures and civilization from pre-Columbian times to the present. This course aims at covering those basic elements which constitute Latin-American culture. Students will examine the questions which arise from different understandings of the contemporary reality of Latin-America. The fundamental aim is to gain a perspective on the complex reality of nations which are the result of a laborious process of culturalization. <strong>Prerequisites:</strong> SPAN 101 and SPAN 102.</td>
</tr>
<tr>
<td>403</td>
<td>Cultural Issues in the Hispanic World</td>
<td>3 Hours</td>
<td>This course is designed to give students a comprehensive understanding of the Hispanic world, its political institutions, economy, and customs. Students will achieve familiarity with the major figures in history and the arts, architectural styles and artistic trends, political events, and social and religious institutions as well as gain the ability to analyze and interpret different aspects of Hispanic civilization in the context of each period. <strong>Prerequisite:</strong> SPAN 204.</td>
</tr>
<tr>
<td>407</td>
<td>Survey of Latin American Literature</td>
<td>3 Hours</td>
<td>This course will examine Latin American literature from independence to the present. Topics will include romantic allegories of the nation; modernism and postmodernism; avant garde poetry; regionalism versus cosmopolitanism; indigenous and indigenist literature; magical realism and the literature of the boom; Afro-Hispanic literature; and testimonial narrative. Authors may include Rubén Darío, Gabriela Mistral, Pablo Neruda, Vicente Huidobro, Jorge Luis Borges, José María Arguedas, Gabriel García Márquez, Octavio Paz, Rosario Castellanos, Nancy Morejón, Rigoberta Menchú, Joaquim Machado de Assis, and Clarice Lispector. <strong>Prerequisites:</strong> SPAN 101 and SPAN 102.</td>
</tr>
</tbody>
</table>
Course Offerings 335

409  Survey of Peninsular Literature 3 Hours
This course focuses on readings and discussions of the history, civilizations, values, and art of the groups that help to shape the Spanish civilization and culture (Phoenicians, Greeks, Romans, Arabs, Jews, and the Visigoths). Survey of Peninsular Literature illustrates how the presence of the Visigothics helped to spread Christianity among the people of the peninsula in its earliest stages and later on, after 1492, to the rest of the world.
Prerequisites: SPAN 101 and SPAN 102.

410  Topics Spanish Language 3 Hours
This is a topics course relating to the Spanish language meant to focus on a particular aspect of Spanish linguists or translation. The theme of the course should be specific and not a repetition of the broad content covered in previous language courses.
Prerequisite: SPAN 203.

420  Spanish Study Abroad 1-6 Hours
This course is a supervised study abroad in a Spanish-speaking country. Content will depend on the level of fluency of the student but will generally include language courses and cultural immersion.
Prerequisites: SPAN 101, or one year of high school, or equivalent.

SPECIAL EDUCATION (SPED)

220  Educating the Student with Exceptional and Cultural Diversities 3 Hours
A study of the characteristics of learners with exceptionalities, and an overview of some of the methods, materials, and techniques appropriate for inclusion, including multicultural considerations.
Prerequisite: Admission to Teacher Education. Admission to Teacher Education is not required for students majoring in Behavioral Science.
Co-requisite: 20-clock-hour field experience.

321  Educating the Student/Students with Mental Impairment: Characteristics and Strategies 3 Hours
Study of the characteristics of student/students with mental impairment and the strategies for their instruction in the public schools, including the transition to working and living in the community.
Prerequisite: Admission to Teacher Education and successful completion of SPED 220. Though other prerequisites are still applicable, Admission to Teacher Education is not required for students majoring in Behavioral Science.
Co-requisite: 10-clock-hour field experience.

331  Introduction to Learning Disabilities 3 Hours
A study of children displaying disorders in one or more of the basic psychological processes involved in effective communication.
Prerequisite: Admission to Teacher Education and successful completion of SPED 220. Though other prerequisites are still applicable, Admission to Teacher Education is not required for students majoring in Behavioral Science.
Co-requisite: 10-clock-hour field experience.

332  Introduction to Behavior Disorders 3 Hours
A study of students whose emotional condition prohibits learning at the expected levels within the regular school program.
Prerequisite: Admission to Teacher Education and successful completion of SPED 220. Though other prerequisites are still applicable, Admission to Teacher Education is not required for students majoring in Behavioral Science.
Co-requisite: 10-clock-hour field experience.
334 Strategies for Students with Learning Disabilities and Behavior Disorders 3 Hours
An overview of strategies and techniques effective for teaching students with learning and behavior problems.
Prerequisites: Admission to Teacher Education and successful completion of SPED 220.
Co-requisite: 10-clock-hour field experience.

351 Educational Assessment of Students with Exceptionalities 3 Hours
Administration of test battery and presentation of results of assessment including prescriptions for instruction.
Prerequisites: Admission to Teacher Education and successful completion of SPED 220, SPED 321, SPED 331, and SPED 332. Though other prerequisites are still applicable, Admission to Teacher Education is not required for students majoring in Behavioral Science.

363 Behavior Management in the Classroom 3 Hours
A study of strategies and techniques derived from behavioral theories to analyze and manage inappropriate behavior and to structure appropriate behavior in the classroom environment.
Prerequisites: Admission to Teacher Education and successful completion of SPED 220, SPED 321, SPED 331 and SPED 332. Though other prerequisites are still applicable, Admission to Teacher Education is not required for students majoring in Behavioral Science.
Co-requisite: 20-clock-hour field experience.

420 Special Education Practicum 2 Hours
Development of IEPs, identification and implementation of techniques for collaboration, inclusion, and working with parents. Application in public school settings.
Prerequisites: Admission to Teacher Education and successful completion of SPED 220, SPED 321, SPED 331, SPED 332, SPED 334, SPED 351 and SPED 363.
Co-requisites: 20-clock-hour field experience.

SPORT MANAGEMENT (SMGT)

130 Introduction to Sport Management 3 Hours
This course is intended to be a comprehensive review of all problem areas and recent research in the field of sport management.

313 Resort Area Management 3 Hours
This course provides the student with the basic knowledge to perform the following procedures and responsibilities in resort area management: facilities planning, program organization, staffing personnel, advertising and public relations, and financial administration. Cross-listed as RMGT 313.
Prerequisite: SMGT 130 or RMGT 201.

330 Event and Facilities Management 3 Hours
This course addresses the procedures and functionality of event planning, focusing specifically on the organization, function, and operations of meeting facilities, conference and convention centers, and sporting facilities. Students will gain a broad understanding of sales markets, meeting activities, and service standards for event planning. Students will learn elements of organization, operations, and purpose of convention and sporting facilities, specifically covering topics of feasibility, marketability, and functionality of facilities. Cross-listed as RMGT 330
Prerequisites: SMGT 130 or RMGT 201.
Co-requisites: Twenty (20) clock hours assisting in the operation meeting, convention, or athletic events.
Course Offerings

Sport Marketing 3 Hours
This course addresses application of fundamental marketing concepts to the sport industry. Marketing research, promotions, fund-raising, advertising, and assessment of marketing programs specific to sport will be covered.
Prerequisites: MRKT 201, SMGT 130.

430 Legal Aspects of Sports 3 Hours
Legal Aspects of Sports encompasses the study of the legal liabilities and responsibilities of coaches, trainers, administrators and institutions as related to sports.
Prerequisite: SMGT 130.

497 Internship II 3-6 Hours
This course is designed to be an integrating “hands-on” experience in a sports facility and is open only to baccalaureate sport management majors. SMGT 497 is considered to be the culminating experience of the Sport Management major within the specific content area and is recommended to be taken in the last semester of academic requirements.
Prerequisites: SMGT 130, SMGT 313, SMGT 330, SMGT 335 and SMGT 430.

STATISTICS (STAT)

361 Introduction to Statistical Analysis 3 Hours
This course is an introduction to statistical principles with emphasis on business applications. Topics include methods of sample selection, statistical calculations, statistical inference, test of hypotheses, and correlation and regression.
Prerequisites: MATH 115 or higher and BUSN 230 with a grade of “C” or higher.