Course Descriptions

ACCT 200. Elements of Accounting I. 3 Hours.
Basic principles of the complete accounting cycle with emphasis on current assets; property, plant, equipment; and current liabilities. Prerequisite: Math 103 or higher.

ACCT 201. Elements of Accounting II. 3 Hours.
A continuation course of acct 200 with emphasis on partnerships, corporations, and management accounting. Prerequisite: Student must complete ACCT 200 before enrolling in this class.

ACCT 299. Special Topics In Accounting. 1-8 Hour.

ACCT 301. Intermediate Accounting I. 3 Hours.
 Begins with a review of the accounting process and the conceptual framework underlying financial accounting. It proceeds to an in-depth study of cash, time value of money, receivables, and inventory. Prerequisites: ACCT 201 and BOTE 247.

ACCT 302. Intermediate Accounting II. 3 Hours.
Continues the intermediate sequence with in-depth coverage of operational assets (tangible and intangible), liabilities (current and long-term), stockholders equity, and investments. Prerequisite: Acct 301.

ACCT 303. Intermediate Accounting III. 3 Hours.
ACCT 303 Intermediate Accounting III 3cr. Concludes the intermediate sequence with in-depth coverage of the statement of cash flows, pensions and post-retirement benefits, leases, earnings per share, financial statement analysis, accounting for income taxes, accounting changes and error analysis, revenue recognition, and financial reporting. Prerequisite: ACCT 302.

ACCT 315. Legal Environment of Business. 3 Hours.
Includes the nature and function of law; contracts and private property as basic concepts in free enterprise; the legal system and evolution of attitudes and law regarding marketing functions and governmental regulation imposed on business activities. Prerequisite: Restricted to students with sophomore, junior or senior status.

ACCT 321. Managerial Accounting. 3 Hours.
Emphasizes structuring and analyzing accounting data for management decisions related to manufacturing, merchandising, and service entities. Prerequisite: Student must complete ACCT 201 before enrolling in this class. Corequisite: Student must complete BADM 301 before or at the same time as this course.

ACCT 325. Government/Not-For-Profit Accounting. 3 Hours.
Covers accounting principles for state and local governmental units, universities, hospitals, and other not-for-profit organizations. Topics include budgetary accounting, the preparation of reports and statements, and the use of special funds. Prerequisite: Student must complete ACCT 301 before enrolling in this class.

ACCT 331. Business Law I. 3 Hours.
Topics include contracts (formation, performance, rights, and remedies), negotiable instruments, and legal matters relating to the financial/banking community. Prerequisite: Restricted to students with junior or senior status.

ACCT 332. Business Law II. 3 Hours.
Topics includes Uniform Commercial Code (Art. 2, sales contracts), Uniform Commercial Code (Art. 9, secured transactions), employment/agency law. Prerequisite: ACCT 331.

ACCT 351. Fraud Examination. 3 Hours.
This course is designed to provide the student with an introduction to the skills necessary to detect, investigate, and prevent fraud, and white-collar crime. The material covered in this course should be of interest to accountants, auditors, fraud investigators, loss prevention specialists, attorneys, educators, criminologists, or business owners/managers. The purpose of this course is to 1) educate the student about both the pervasiveness of and the causes of fraud and white-collar crime in our society, 2) explore the methods of fraud detection, investigation, and prevention, and 3) increase the student's ability to detect material financial statement fraud. Prerequisite: ACCT 200.

ACCT 360. Accounting Information Systems. 3 Hours.
Emphasizes how accounting information systems function in today's business environment. Manual and computer systems will be used to study the processes and procedures by which an organization's financial information is accumulated, classified, processed, analyzed, and communicated. Topics include business cycles, controls, integrated accounting software, spreadsheets, and relational databases. Prerequisites: Students must complete ACCT 201 and BOTE 247 before enrolling in this class.

ACCT 394. Independent Study General Acct. 1-4 Hour.

ACCT 401. Advanced Accounting I. 3 Hours.
Advanced Accounting I addresses issues related to business combinations and consolidated financial statements as well as partnership accounting. Prerequisite: ACCT 302.
ACCT 411. Taxation of Individuals. 3 Hours.
Provides a study of federal taxation principles and theories relating to individuals with emphasis on the determination of gross income and taxable income. Taxation of self-employment income will be examined and taxation of property transactions is studied thoroughly. Students apply these principles by preparing federal income tax returns, and by performing tax research. Prerequisite: Student must complete ACCT 201 before enrolling in this class.

ACCT 412. Taxation of Property Transactions and Business Entities. 3 Hours.
Provides a study of federal taxation principles and theories relating to corporations, partnerships, LLCs and S Corporations from formation through dissolution. Students will apply these principles by preparing various types of federal income tax returns and tax planning. Student must complete ACCT 411 before enrolling in this class.

ACCT 415. Energy Law. 3 Hours.
Energy Law is an ever-changing discipline that emphasizes how both individuals and businesses interact with the law related to the energy industry on a day-to-day basis. This course will focus on the relationships between energy corporations and the individual land owner or service provider as well as the relationships between environmental laws and production. Prerequisite: Student must complete ACCT 300 before enrolling in this class.

ACCT 430. Auditing/Assurance Concepts & Practices. 3 Hours.
Introduces audit theory, standards, responsibilities, and processes. Study of audit principles and practices including evidence gathering, internal controls, sampling and testing, report writing, ethics and legal liabilities. Prerequisite: Student must complete ACCT 302 before enrolling in this class.

ACCT 431. Advanced Auditing & Assurance. 3 Hours.
Discusses compilations, reviews, examinations and other assurance services. Explores contemporary auditing and assurance issues including researching these issues. Expands on audit sampling and testing. Prerequisite: Student must complete ACCT 430 and MATH 210 before enrolling in this class.

ACCT 480. Controllership. 3 Hours.
Examines the role of a controller as a vital member of an organization’s management team. Students exercise judgment in solving accounting-related problems by synthesizing and applying knowledge gained from previous business coursework. The focus will be placed on cost management, budgeting, organizational behavior, ethics, cash management, policy-making, internal control, performance measurement, compensation and benefits, accounting information systems, and tax compliance. Prerequisites: Students must complete ACCT 321, have senior status, and complete the College of Business core courses before enrolling in this class.

ACCT 494. Independent Study Honors Acct. 1-8 Hour.

ACCT 499. Special Topics. 1-8 Hour.
Topics are variable. Offerings include visiting professors, experimental offerings of new courses, or one time offering and current topics.

ART 101. Introduction to Studio Art. 3 Hours.
An introductory studio art course to familiarize the non-art major with the basic painting, printmaking, sculptural, jewelry, and ceramic processes. Six studio hours per week.

ART 110. Introduction to Visual Arts. 3 Hours.
Study and appreciation of visual arts. Three hour lecture.

ART 112. Print, Web, and Social Media Graphics. 3 Hours.
This course introduces students to forms and techniques of social media graphics. Students will explore stylistic elements that are documented in current trends and established methods of design. Students will learn to craft and analyze a variety of inventive texts for traditional and non-traditional forms of print, web and social media.

ART 122. Two-Dimensional Design. 3 Hours.
A basic course in the study of two-dimensional design for the studio artist. Six studio hours per week.

ART 124. Three-Dimensional Design. 3 Hours.
A basic course in the study of three-dimensional design for the studio artist. Six studio hours per week.

ART 130. Drawing I. 3 Hours.
Introduction to basic drawing techniques through a variety of materials. Six studio hours per week.

ART 140. Arts, Crafts, and Jewelry. 3 Hours.
Instruction including, but not limited to, introductory techniques in fibers, glass and metal processes. Six studio hours per week.

ART 180. Digital Photography. 3 Hours.
Introduction to digital photography. Digital SLR camera and tripod required. Six studio hours per week.

ART 181. Smartphone Photography. 3 Hours.
An exploration of the smartphone as a photographic tool. Photographic technique, software, apps, and social media applications will be coupled with a critical look at the smartphones’ creative potential and cultural impact.

ART 188. Fall Visual Arts Seminar I. 1 Hour.
Introduction of departmental requirements, procedures and opportunities. This Fall semester offering is required for all Art Education, Bachelor of Arts, Bachelor of Fine Arts and Arts Administration majors and minors or consent of instructor.
ART 189. Spring Visual Arts Seminar I. 1 Hour.
Introduction of departmental requirements, procedures and opportunities. This Spring semester offering is required for all Art Education, Bachelor of Arts, Bachelor of Fine Arts and Arts Administration majors and minors or consent of instructor.

ART 197. Introduction to Art Careers. 1 Hour.
Course introduces career opportunities for artists and requires investigation of the creative workforce.

ART 201. Art Methods for Elementary Education. 3 Hours.
Methods of teaching art in elementary education. Six studio hours per week.

ART 207. Digital Tools: Imaging & Print. 3 Hours.
An exploration of Adobe's Photoshop, Illustrator and InDesign. Covers software programs and peripherals designed for imaging and print, building basic skills and knowledge of computer programs. Prerequisite(s): ART 112.

ART 210. Art History: Prehistoric through Middle Ages. 3 Hours.
A survey of western art from Prehistoric through Middle Ages.

ART 211. Art History: Renaissance to Contemporary. 3 Hours.
A survey of western art from Renaissance to present.

ART 213. Graphic Design I. 3 Hours.
Introduction to the elements and practice of typography with emphasis on typefaces and letterforms in graphic design. Six studio hours per week. Prerequisites: ART 112 or consent of the instructor.

ART 220. Painting I. 3 Hours.
Introduction to basic painting through a variety of materials. Six studio hours per week. Prerequisite: ART 122 and ART 130 or with consent of instructor.

ART 231. Figure Drawing I. 3 Hours.
Introduction to basic figure drawing with a live model. Six studio hours per week. Prerequisite: ART 130 or consent of instructor.

ART 250. Ceramics I. 3 Hours.
Introduction to basic ceramic techniques. Six studio hours per week.

ART 265. Sculpture I. 3 Hours.
Introduction to basic sculpture materials and techniques. Six studio hours per week. Prerequisite: ART 122 and ART 124 or have consent of instructor.

ART 270. Printmaking I. 3 Hours.
Introduction to basic printmaking techniques and materials: relief, monotype, and screen printing. Six studio hours per week. Prerequisites: ART 122 and ART 130 or consent of instructor.

ART 274. Paper Works. 3 Hours.
Introduction to works on or of paper including book arts, papermaking, and letterpress printing. Six studio credits per week.

ART 288. Fall Visual Arts Seminar II. 1 Hour.
A continuation of VA Seminar, including preparation for portfolio reviews. This Fall semester offering is required for all Art Education, Bachelor of Arts, Bachelor of Fine Arts and Arts Administration majors. Prerequisite: Art 189 or consent of instructor.

ART 289. Spring Visual Arts Seminar II. 1 Hour.
A continuation of VA Seminar, including presentation at Portfolio Review. This Spring semester offering is required for all Art Education, Bachelor of Arts, Bachelor of Fine Arts and Arts Administration majors. Prerequisite: Art 288 or consent of instructor.

ART 296. Study Tour. 1-3 Hour.
MSU faculty-led study trips to appropriate locations. Will include additional requirements beyond travel itself. May be repeated for credit.

ART 297. Art Internship I. 0.5 Hours.
This internship is intended to introduce the student to career responsibilities in art through discussion, exposure and placement with a host.

ART 299. Special Topics. 1-3 Hour.
Topics are variable. Offerings include visiting professors, experimental offerings of new courses, or one-time offerings of current topics. Prerequisite: Consent of instructor.

ART 310. Art History: Modernism and Postmodernism. 3 Hours.
A survey of Modernism and Postmodernism in Art.

ART 314. Art History Topics. 3 Hours.
A survey of art history with variable topics. Course topics could include but are not limited to: History of Architecture, Women in the Visual Arts, Native American Art, or Non Western Art History.

ART 320. Advanced Drawing & Painting. 3 Hours.
This advanced art course will require common student assignments to demonstrate experience and expertise in drawing and painting. It will also facilitate continued growth by requiring advanced problem solving assignments in either medium. Prerequisites: ART 130 and ART 220 or consent of instructor.

ART 332. Figure Drawing II. 3 Hours.
Advanced problems in figure drawing with a live model. Six studio hours per week. Prerequisite: ART 231 or consent of instructor.
ART 345. Introduction to Museum Studies. 3 Hours.
This course introduces students to the history, key debates, and contemporary practices of museums and galleries with a focus on exhibit design, education, conservation and collection management.

ART 350. Advanced Ceramics & Sculpture. 3 Hours.
This advanced art course will require common student assignments to demonstrate experience and expertise in ceramics and sculpture. It will also facilitate continued growth by requiring advanced problem solving assignments in either medium.

ART 360. Advanced Graphic Design & Illustration. 3 Hours.
This advanced art course will require common student assignments to demonstrate experience and expertise in graphic design and illustration. It will also facilitate continued growth by requiring advanced problem solving assignments in either medium.

ART 370. Advanced Photography & Printmaking. 3 Hours.
This advanced art course will require common student assignments to demonstrate experience and expertise in photography and printmaking. It will also facilitate continued growth by requiring advanced problem solving assignments in either medium.

ART 375. Professional Practices for Artists. 3 Hours.
Course will present professional practices for artists including freelance, small business and studio management. Curriculum includes studio skills and an entrepreneurship project. Prerequisites: ART 188, ART 189, 288, and 289 or consent of instructor. Restricted to Art majors and minors and junior or senior status.

ART 388. Fall Visual Arts Seminar III. 1 Hour.
A continuation of VA seminar, including exhibition preparation. This Fall semester offering is required for all Art Education, Bachelor of Arts, Bachelor of Fine Arts and Arts Administration majors. Prerequisite: ART 289 or consent of the instructor.

ART 389. Spring Visual Arts Seminar III. 1 Hour.
A continuation of VA Seminar, including exhibition preparation. This Spring semester offering is required for all Art Education, Bachelor of Arts, Bachelor of Fine Arts and Arts Administration majors. Prerequisite: Art 388 or consent of Instructor.

ART 390. Art Methods. 4 Hours.
Discussion and interactive experiences developing a K-12 art curriculum. Peer teaching and classroom management, organizational techniques, and practicum. Prerequisites: ART 122, 130, 140, 201 and admitted into teacher education.

ART 397. Art Internship II. 0.5 Hours.
This intermediate level internship is intended to further expose students to career opportunities in art through placement with a host.

ART 420. Advanced Study in Art History. 1-6 Hour.
Open to advanced art students for independent research in art history. A preliminary outline of proposed research is required. This course is restricted to art majors or minors. Prerequisite(s): Consent of instructor.

ART 488. Fall Visual Arts Seminar IV. 1 Hour.
A continuation of VA seminar with emphasis on professional practice. This Fall semester offering is required for all Art Education, Bachelor of Arts, Bachelor of Fine Arts and Arts Administration majors. Prerequisite: ART 389 or consent of instructor.

ART 489. Spring Visual Arts Seminar IV. 1 Hour.
A continuation of VA Seminar with continued emphasis on professional practice. This Spring semester offering is required for all Art Education, Bachelor of Arts, Bachelor of Fine Arts and Arts Administration majors. Prerequisite: Art 488 or consent of instructor.

ART 492. Capstone Experience. 1.5 Hour.
Provides for individual research culminating in a capstone exhibition, portfolio, paper or project with guidance from a capstone committee. Prerequisite: ART 391 or consent of instructor. Co-requisite: ART 491 or consent of instructor. Student must be at junior or senior status before enrolling. This course gathers a student cohort in the Fall semester (1.5 credits) and continues in the Spring semester in ART 493 (1.5 credits) with a culminating experience. The Capstone Experience requirement is ART 492 and ART 493 combining for 3 credit hours.

ART 493. Capstone Experience. 1.5 Hour.
Provides for individual research culminating in a capstone exhibition, portfolio, paper or project with guidance from a capstone committee. Prerequisite: ART 391 or consent of instructor. Co-requisite: ART 491 or consent of instructor. Student must be at junior or senior status before enrolling. This course advances a student cohort from the Fall semester (ART 492, 1.5 credits) and continues in the Spring semester (ART 493,1.5 credits) with a culminating experience. The Capstone Experience requirement is ART 492 and ART 493 combining for 3 credit hours.

ART 494. Independent Art Studio. 1-4 Hour.
This course provides flexible instruction in a variety of studio disciplines. Art majors and minors only or with consent of instructor. Variable credit 1-4.

ART 496. Study Tour. 0-6 Hour.
MSU faculty-led study trips to appropriate locations. The course requirements will include additional requirements beyond the travel itself and may be repeated for credit.

ART 497. Art Internship. 1-6 Hour.
This internship is for advanced placement with a host. Prerequisite: Restricted to Art Majors or Art Minors.
ART 499. Special Topics. 1-8 Hour.
Topics are variable. Offerings include visiting professors, experimental offerings of new courses, or one-time offerings of current topics. Prerequisite: consent of instructor.

ART 88. Fall Visual Arts Seminar V. 0 Hours.
A continuation of VA seminar. Restricted to art majors and minors. Mandatory for Art Education, Bachelor of Arts, Bachelor of Fine Arts and Arts Administration majors after completion of 489 or with consent of instructor.

ART 89. Spring Visual Arts Seminar V. 0 Hours.
A continuation of VA Seminar. Restricted to art majors and minors. Mandatory for all Art Education, Bachelor of Arts, Bachelor of Fine Arts and Arts Administration majors after completion of 088 or with consent of instructor.

ART 95. Art Experience. 0 Hours.
Students will assist and contribute to an art experience. The course experience will require students to facilitate and support the production of art by working with guest artists and/or contributing art to an event.

ASC 87. College Writing Prep. 3 Hours.
A precollege writing course that prepares students for ENGL 110. Provides instruction in writing error-free sentences, solid paragraphs and well-organized essays. No college credit is obtained for this course.

ASC 88. Composition Lab. 1 Hour.
This course provides supplemental and developmental instruction for students taking ENGL 110 and is taken during the same semester as ENGL 110. No college credit is obtained for this course. Prerequisite: ACT score of 14-17 or qualifying Accuplacer WritePlacer score.

ASC 92. Beginning Algebra. 3 Hours.
This course is a beginning-level algebra course offered online. Topics covered include fundamental operations with fractions, absolute value, factoring, radicals and exponents, and an introduction to linear equations and inequalities. This class does not satisfy college graduation requirements for math.

ASC 93. Intermediate Algebra. 4 Hours.
Topics include properties of the real number system, polynomial factoring, linear equations and inequalities, polynomial and rational expressions, exponents, radicals, and radical expressions. This class does not satisfy college graduation requirements for math. Prerequisite: Qualifying math placement score. Corequisite: ASC 93L if a placement score qualifies for Elementary Algebra.

ASC 93L. Intermediate Algebra Lab. 2 Hours.
Intermediate-level lab provides students in ASC 93 with an extended experience in a lab setting working on algebra skills. Lab meets 4 hours per week. This class uses S/U grading. Required Corequisite: ASC 93L if a placement score qualifies for Elementary Algebra. Withdrawing from this class will also withdraw you from ASC 93.

ATR 128. Introduction to Athletic Training. 3 Hours.
The purpose of this course is to familiarize students with the profession of athletic training. Students will be introduced to the NATA, the NATA Code of Ethics, the certification process, continuing education, and the NATA Educational Proficiencies. Course topics include epidemiology of injuries, PPE, and program overview.

ATR 129. A T Clinical Experience I. 1 Hour.
Students will be assigned to clinical rotations during this clinical course. The competencies and clinical integrated proficiencies for this clinical course are based on content knowledge and psychomotor skills taught in previous courses. The emphasis of this clinical course includes the content areas of acute care of injury and illness, clinical evaluation of basic injuries, prevention, and health promotion, which includes risk management/prevention, basic healthcare administration, basic psychosocial skills/knowledge, professional development and responsibility and to a limited extent, nutrition. Evidence-based practice is embedded throughout the entire curriculum. Students in ATR 129 clinical experience will have prior experience in ATR 208. Prerequisite: Students must complete ATR 128, have CPR certification, and be admitted to the Athletic Training program before enrolling in this course.

ATR 207. Prevention & Care of Injuries. 2 Hours.
Provides a basic understanding of common injuries. Focus will be on the evaluation and course of treatment of the injuries presented.

ATR 208. Taping and Bracing. 2 Hours.
Application in the techniques of taping and bracing athletic injuries.

ATR 223. A T Clinical Experience II. 1 Hour.
Students will be assigned to clinical rotations during this clinical course. Students in the ATR 223 Clinical Experience will have prior experience in KIN 431, ATR 206, and ATR 410, in addition to the courses listed in the ATR 129 Clinical Experience. The competencies and clinical integrated proficiencies for this clinical course are based on content knowledge and psychomotor skills taught in previous courses. The emphasis of this clinical course includes content areas of clinical evaluation of medical conditions and injuries, prevention and health promotion, which includes risk management/prevention, basic healthcare administration, therapeutic intervention, including pharmacology and modalities. Evidence based practice is embedded through the entire curriculum. Prerequisites: Students must take ATR 129, 206, 410, and KIN 431, and sophomore status enrolling in this class.

ATR 270. Upper/Low Extremity Evaluation. 3 Hours.
The purpose of this course is to provide students with the knowledge and skills to perform evaluation of upper and lower extremity (UE/LE) injuries or conditions. Student's will be able to perform an observation, history, palpate, perform MMT, perform a neurological evaluation, evaluate ROM, perform special and functional tests for the UE/LE. Prerequisite(s): ATR 207, KIN 431, and BIOL 220.
ATR 323. A T Clinical Experience III. 2 Hours.
Students will be assigned to clinical rotations during this clinical course. Students in the ATR 323 Clinical Experience will have taken KIN 270 in addition to the required courses for ATR 129 and ATR 223. The competencies and clinical integrated proficiencies for this clinical course are based on content knowledge and psychomotor skills taught in previous courses. The emphasis of this clinical course includes the content areas of clinical evaluation of medical conditions, injuries with experience in evaluation of upper and lower extremity injuries, prevention and health promotion, which includes risk management/prevention/nutrition, basic healthcare administration, and psychosocial intervention. Evidence based practice is embedded throughout the entire curriculum. Prerequisites: Student must complete KIN 270, ATR 223, and junior status before enrolling in this class.

ATR 324. A T Clinical Experience IV. 2 Hours.
Students will be assigned to clinical rotations during this clinical course. Students in the ATR 324 clinical will have taken ATR 307 in addition to the required courses for ATR 129, 223, and ATR 323. The competencies and clinical integrated proficiencies for this clinical course are based on content knowledge and psychomotor skills taught in previous courses. The emphasis of this clinical course includes the content areas of clinical evaluation of medical conditions, injuries with experience in evaluation of injuries to upper extremity, lower extremity, head, neck, and spine in addition to the evaluation skills students remain to be active in their implementation of therapeutic modalities through the practice of treating the entire patient and with clinical integration of skills and knowledge. Evidence based practice is a focus in this clinical with evidence based practice performing a literature search on topics of prevention and health promotion, which includes risk management/prevention/nutrition and psychosocial intervention. Prerequisites: Student must take ATR 307 and 323 and junior status before enrolling in this class.

ATR 410. Advanced Athletic Injuries & Modalities. 3 Hours.
Provides specific manual examinations involved in the evaluation of athletic injuries. Use of therapeutic modalities in the treatment of athletic injuries will also be studied. Students will take part in laboratory work in order to facilitate hands on experience. Prerequisite or Corequisite: ATR 207.

ATR 420. Athletic Training Management. 2 Hours.
The purpose of this course is to familiarize students with the scope and practice of managing an athletic training environment. Topics include organization and administration of an athletic training room, the reimbursement, policies and procedures of athletic training rooms, and the legal concerns. Prerequisite(s): ATR 207.

ATR 423. A T Clinical Experience V. 2 Hours.
Students will be assigned to clinical rotations during this clinical course. Students in the ATR 423 clinical will have taken ATR 308 and ATR 304 in addition to the required courses for ATR 129, ATR 223, ATR 323, and ATR 324. The competencies and clinical integrated proficiencies for this clinical course are based on content areas of clinical evaluation of injuries with experience in the clinical evaluation and acute care of medical conditions and injuries to upper extremity, lower extremity, head, neck, and spine, in addition to the evaluation skills students retain to be active in their implementation of therapeutic modalities as well as therapeutic exercise skill through the practice of treating the entire patient with clinical integration of skills and knowledge learned throughout the program. Prevention and health promotion continues to be a theme in ATR 423, which includes risk management and prevention of injuries and nutrition. In addition to the courses listed, students will also have the courses listed in the ATR 129, 223, 323, and 324 clinical courses. Prerequisites: Student must complete ATR 304, 308, and 324, as well as senior status before taking this class.

ATR 424. A T Clinical Experience VI. 2 Hours.
Students will be assigned to clinical rotations during this clinical course. Students in the ATR 424 clinical will have taken ATR 420 in addition to the required courses for ATR 129, ATR 223, ATR 323, ATR 423, and ATR 424. The competencies and clinical integrated proficiencies for this clinical course are based on content knowledge and psychomotor skills taught in previous courses. The theme for this clinical course is embedded in the acute care of injuries and illness with experience in evaluation of injuries to upper extremity, lower extremity, head, neck, and spine, in addition to the evaluation skills students remain to be active in their implementation of therapeutic modalities form student content throughout their program that ensures students have the skill set and knowledge to become successful entry-level athletic trainers. In addition to the courses listed, students will also have the courses listed in the ATR 129, 223, 323, 324, and 424 clinical courses. Prerequisites: Student must take ATR 420 and 423 and have senior status before enrolling in this class.

ATR 425. Capstone in Athletic Training. 1 Hour.
The capstone course is a course designated to allow students to show case their knowledge and research skills that they have learned while in the program. The theme for this courses is professional development and responsibilities. The courses format is a two part format with one portion of the course is devoted to allowing students to be active in creating evidence based medicine through a research project or presentation of a comprehensive literature review and the other portion devoted to preparing the athletic training student for the certification exam. The semester will start out with an introduction of the expectations for athletic training students for the certification exam and introduction of the expectations for research presentations. Students will select a research topic that provides an opportunity for scholarly work. The topics will be selected by the students at the onset of the semester to allow ample opportunities for an open forum format or presented at the North Dakota Athletic Trainer's Association's annual meeting. The next portion of the course will provide students with study techniques and practice exams to prepare them for the BOC, Inc. certification exam. Instructors, prior students, and outside guests will be invited to speak to the students on athletic training topics. Prerequisites: Students must complete ATR 423 and have senior status before enrolling in this course.

BADM 101. Introduction to Entrepreneurship. 3 Hours.
Introduces fundamental concepts of entrepreneurship. Students will develop an understanding of the entrepreneurial mindset and core entrepreneurship competencies. Explores current issues and trends in entrepreneurship.

BADM 120. Fundamentals of Business. 3 Hours.
Students will develop an understanding of the abilities and skills required for success in future business and nonbusiness careers and endeavors within society. This course may not be taken by business majors during their final two semesters. An excellent course for beginning students and nonbusiness majors.
BADM 269. Professional Ethics. 3 Hours.
This course will examine ethical issues faced by businesses broadly defined as compliance-based ethics and value-based ethics including topics such as distributive justice, capitalism, decision-making, corporate responsibility, social responsibility, governance, whistle-blowing, hiring policies, codes of ethics, advertising, safety, environmental impacts, and foreign business practices.

BADM 299. Special Topics in Bus Admin. 1-8 Hour.

BADM 301. Fundamentals of Management. 3 Hours.
Focuses on the nature of management, the evolution of management thought, strategic management and planning concepts, decision making and creative problem solving, and motivation and leadership in a changing environment. Pre-requisite: Sophomore status.

BADM 303. Human Resource Management. 3 Hours.
Includes an examination of policies, programs, procedures, staffing, performance expectations, wage and salary administration, laws, ethics, and research related to human capital. Prerequisite: BADM 301.

BADM 304. Entrepreneurship/Small Business Management. 3 Hours.
Introductory entrepreneurship course intended to provide a solid foundation in terms of the vital role played by entrepreneurs, innovation, and creativity in the global economy. The various components of a business plan are introduced. This course is complemented at the end of the management program with the entrepreneurship and new venture creation course. Prerequisite: Student must complete BADM 301 and have junior status before enrolling in this class.

BADM 307. International Business. 3 Hours.
Introduces the conceptual and operational problems of participating in international business. Coverage includes a study of managerial, marketing, financial, accounting, legal, economic, and cultural environments in foreign markets for the conduct of world business.

BADM 321. Marketing. 3 Hours.
Acquaints students with the principles, concepts and perspectives underlying marketing functions, including the conception, pricing, promotion, and distribution of products, services, and ideas, and the role of marketing in society. Prerequisite: Restricted to students with sophomore status.

BADM 324. Integrated Marketing Communications. 3 Hours.
Acquaints students with the role of integrated marketing communications concepts and practices in enhancing the equity of brands, and provides thorough coverage of all aspects of an IMC program: advertising, promotions, packaging, and branding strategies, point of purchase communications, marketing oriented public relations, and event and cause-oriented sponsorships. Prerequisite: BADM 321.

BADM 340. Corporate Entrepreneurship. 3 Hours.
The course focus is on creating work environments for entrepreneurial thinking and skills to recognize, assess and exploit market opportunities for a company. This course allows students to examine the unique nature of corporate entrepreneurship and the application of entrepreneurial concepts and behaviors within an established company. Students explore entrepreneurial imperatives businesses need to become more innovative to acquire a sustainable competitive advantage. Students examine the role that leaders and managers play in initiating and implementing entrepreneurial activities such as new product launches and managing innovation within a business. Prerequisite: BADM 101.

BADM 416. Operations Management. 3 Hours.
Introduces the concepts, issues, and problems of operations management. Operations processes are analyzed and solutions are recommended. Student must complete BOTE 247, ECON 201, MATH 210, and BADM 301 before enrolling in this course.

BADM 421. Applied Research. 3 Hours.
Explores the necessary steps involved in the applied research process including (i) defining research problems, (ii) research designs, (iii) measurement, (iv) sampling, (v) data collection, (vi) data analysis, (vii) interpretation, and (viii) reporting & presenting findings. Math 210 or PSY 241 or an equivalent.

BADM 422. Consumer Behavior. 3 Hours.
Studies the consumer decision-making process in the purchase of goods and services. Emphasis is placed on developing and understanding the determinants of consumer behavior and the appropriate application of marketing strategies. Prerequisite: BADM 321 or permission of instructor.

BADM 424. Logistics & Channel Management. 3 Hours.
Explores channels of distribution considering behavioral, social, and economic aspects of the distribution system to include transportation, inventory management, order processing, purchasing, warehousing, material handling, packaging, customer service, and product scheduling. Prerequisite: BADM 321.

BADM 427. International Marketing. 3 Hours.
Introduces the essentials of conducting international marketing operations to include estimating market potential, developing entry strategies, and managing and controlling marketing programs. Prerequisite: BADM 307.

BADM 436. Organizational Behavior Principles and Practices. 3 Hours.
Includes the principles, concepts, and processes that interpret human behavior at the individual, group, and organizational levels. Student must complete BADM 303 before enrolling in this class.

BADM 437. International Culture & Management. 3 Hours.
Examines the impact of culture on business practices and introduces the student to the management process in an international setting. Includes an examination of comparative systems and environmental conditions and their impact on management decisions. Prerequisite: Student must complete BADM 307 before enrolling in this class.
BADM 462. International Business Strategy. 3 Hours.
Provides an international business capstone experience. Case studies illustrating international business decisions and operations are emphasized. Prerequisite: BADM 427 and BADM 437. Pre-corequisite: FIN 457.

BADM 465. Strategic Management. 3 Hours.
Strategic management is an analysis of the objectives of business firms and the development and evaluation of strategies and policies designed to meet these objectives. Cases are emphasized. Prerequisite: Student must complete BADM 321, and FIN 353 before enrolling in this class. Corequisite: BADM 416.

BADM 470. Projects in Entrepreneurship. 3 Hours.
Provides application of the skills acquired in previous entrepreneurship and College of Business courses through experiential coursework. Students will complete individual research culminating in a final portfolio project. The project will allow the opportunity to integrate the tools learned in the program to develop and detail their business venture. Prerequisites: Students must complete BADM 101 and BADM 304 prior to enrolling in this course.

BADM 488. Marketing Strategy. 3 Hours.
Management of marketing organizations and integration of functions, with emphasis on planning and designing strategies and applying tools and techniques for problem solving and decision making. Prerequisites: Student must complete BADM 421 before enrolling in this class. Corequisite: BADM 424.

BADM 489. Entrepreneurship and New Venture. 3 Hours.
This course focuses on entrepreneurship, new venture creation, and the completion of a business plan. The business plan applies principles, concepts, and a framework to real world situations. Prerequisites: Students must complete BADM 321, BADM 304, FIN 353 and ACCT 321 before enrolling in this class.

BADM 496. Study Abroad. 3 Hours.
MSU faculty-led trips to appropriate locations. Will include additional requirements beyond travel itself. May be repeated for credit for different countries.

BADM 499. Special Topics in Business Administration. 1-8 Hour.
Topics are variable. Offerings include visiting professors, experimental offerings of new courses, or one time offerings of current topics.

BIOL 103. Intro to Medical Lab Science. 1 Hour.
Designed to acquaint first-year (freshman) medical technology students the depth and breadth of this field. Students visit medical technology departments at local hospitals and clinics. Students are introduced to the details of the entire program-major and opportunities in the profession.

BIOL 111. Concepts of Biology. 4 Hours.
This course is an overview of the science of biology designed for non-majors. The course will focus on a comprehensive survey of modern biology with an emphasis on enhancing the science literacy of the college-educated student. Topics will include, but not limited to: cell biology, genetics, evolution by natural selection, systematics, and the impact of human activity on the biosphere. Where appropriate, topics will be illustrated with examples of the human animal. Lecture, 3 hours; laboratory, 2 hours.

BIOL 111H. Honors Concepts of Biology. 4 Hours.
This course is designed to accommodate one semester of the general education requirement for non-science majors at Minot State University. The course will focus on a comprehensive survey of modern biology with an emphasis on enhancing the science literacy of the college-educated student. Topics will include, but are not limited to: cell biology, genetics, evolution by nature selection, systematics, and the impact of human activity on the biosphere. Where appropriate, topics will be illustrated with examples of the human animal, and at all times the course will reflect the five strands of a general education course. Laboratory time will focus on small-scale research projects and in-depth discussion. Prerequisite: admission to the Honors Program.

BIOL 115. Concepts of Anatomy & Physiology. 4 Hours.
This is an introductory level course in the basic principles of anatomy and physiology as they relate to the structure and function of the human body. It is designed for physical education and corporate fitness majors. This course does not count toward any biology major. Lecture, 3 hours; laboratory, 2 hours.

BIOL 127. Environmental Biology. 4 Hours.
Designed to acquaint students with major principles of ecology and the nature of human interaction with the living world. The course will focus on how human action influences the ecology of the earth. Ecological concepts covered will include community structure, predator prey interactions, competition, trophic levels, energy flow, the carbon cycle, and adaptation. In this light, students will examine specific issues and problems including those of land use choices, natural resource exploitation, biodiversity, industrialization, and urbanization.

BIOL 150. General Biology I. 4 Hours.
Introduction to fundamental concepts of biology at the level of the cell including: bioenergetics, cell structure, physiology principles, genetic function and inheritance. Lecture, 3 hours; laboratory, 2 hours.

BIOL 151. General Biology II. 4 Hours.
This introductory biology course is intended for biology majors. An introduction to the biology of living organisms, exploring plant and animal evolution, diversity, structure, function and ecology. Lecture, 3 hours; laboratory, 2 hours.
BIOL 151H. Honors General Biology II. 4 Hours.
The biology of animals is covered beginning with an emphasis on the underlying cellular structure and physiology and expanding towards larger whole organism features that are difficult to predict from cell biology. The general patterns of animal life are covered. In an effort to connect the general principles offered in this course to one's daily life (e.g. cellular respiration, excretion, muscle structure and function), an emphasis is placed on a mammalian system. Laboratory time will focus on small-scale research projects and in-depth discussion. Pre-requisite: admission to the Honors Program.

BIOL 154. Introduction To Botany. 4 Hours.
Introduction to the biology of plants emphasizing evolution and diversity, plant anatomy and development, water and mineral nutrition, photosynthesis, and plant ecology. Lecture, 3 hours; laboratory, 2 hours.

BIOL 154H. Honors Introduction to Botany. 4 Hours.
Introduction to the biology of plants emphasizing evolution and diversity, plant anatomy and development, water and mineral nutrition, photosynthesis, and plant ecology. Laboratory time will focus on small-scale research projects and in-depth discussion. Pre-requisite: admission to the Honors Program.

BIOL 202. Introductory Microbiology. 4 Hours.
A survey of microbial cell biology, microbial genetics, microbial interaction with humans, and the impact of microorganisms on the environment. Lecture, 3 hours; laboratory, 2 hours.

BIOL 215. Genetics. 4 Hours.
Introduction to principles of genetics including: inheritance, DNA and chromosomes, gene regulation, evolution, and genetic engineering. Lecture, 3 hours; laboratory, 3 hours. Prerequisite: BIOL 150.

BIOL 220. Anatomy And Physiology I. 4 Hours.
Structure and function of the human body dealing with the chemical, cellular, and tissue levels of organization and integumentary, skeletal, muscular, and nervous systems. Lecture, 3 hours; laboratory, 3 hours.

BIOL 221. Anatomy And Physiology II. 4 Hours.
Structure and function of the human body dealing with the digestive, cardiovascular, respiratory, lymphatic, endocrine, reproductive, and urinary systems; special senses, metabolism, fluid and electrolyte, and acid-base balance. Lecture, 3 hours; laboratory, 3 hours. Prerequisite: BIOL 220.

BIOL 240. Biometry. 4 Hours.
The course will cover introductory statistic concepts in a form designed specifically for biology majors. It is a practical, software-based examination of concepts of sampling, hypotheses testing (non-parametric and parametric), descriptive statistics, contingency, correlation, analysis of variation, linear models and basic multivariate techniques. Only biological, real-world data will be used. The course will concentrate on underlying principles, applicability and practical use of methods covered. Prerequisites: Students must complete Math 103 or higher and at least two of BIOL 150, 151, and 154.

BIOL 250. Cellular Biology. 4 Hours.
An advanced cell biology designed for biology majors with an emphasis on biological chemistry, membrane and transport, cellular energy metabolism, protein synthesis, and modification, subcellular organelle structure and function, and the cell biology of the nucleus. Lecture, 3 hours; laboratory, 2 hours. Prerequisite: BIOL 150.

BIOL 299. Special Topics. 1-8 Hour.

BIOL 301. Evolution. 3 Hours.
This course details the processes that influence evolutionary change. An emphasis is placed on the methodology for (1) inferring phylogenetic relationships (i.e., history), (2) determining the relative influences of natural selection and genetic drift, and (3) exploring the conditions that lead to various modes of speciation. Topics covered include population genetics, speciation, microevolution vs. macroevolution, punctuated equilibrium, life history theory, and modes of selection. Lecture, 3 hours. Prerequisites: BIOL 150, and 215.

BIOL 302. General Microbiology. 4 Hours.
Students will develop a working understanding of the structure, growth, nutrition, metabolism, genetics, diversity and ecology of Bacteria, Archaea and viruses. Prerequisite: Students must complete BIOL 215 before enrolling in this course.

BIOL 310. Ethnobotany. 4 Hours.
This course will focus on the diversity of plant uses, covering approaches of diverse cultures, including introduction to medicinal plants, plant uses specific to North Dakota, and Native American plant use. Lecture, 3 hours, Lab 3 hours.

BIOL 325. Entomology. 4 Hours.
Classification, taxonomy, morphology, identification, life histories, interrelationships, and economic importance of insects. Lecture, 3 hours; laboratory, 3 hours. Prerequisite: Student must complete BIOL 151 before enrolling in this class.

BIOL 330. Biogeography. 3 Hours.
This course will describe the spatial patterns in the distribution of plants and animals and will examine how different factors influence these patterns. Lecture, 3 hours.

BIOL 330L. Biogeography Lab. 1 Hour.
This course is a co-requisite for BIOL 330. The course exposes students to experiential field-based surveys of various ecosystems throughout North America and various international destinations. Travel to the field areas associated with this course will be required.
BIOL 335. Comparative Vertebrate Anatomy. 4 Hours.
A study of the structure of vertebrates, with a focus on revealing the evolutionary relationships of major vertebrate groups. The laboratories will involve detailed examination and dissection of a broad range of vertebrate animals, including lampreys, sharks, amphibians, reptiles, and cats. Lecture, 3 hours; Lab, 3 hours. Prerequisites: BIOL 151 or 151H.

BIOL 340. Systematic Zoology. 4 Hours.
Evolution, classification, taxonomy, and identification of invertebrates and vertebrates. Lecture, 3 hours; laboratory, 3 hours. Prerequisite: Students must complete BIOL 151 before enrolling in this class.

BIOL 343. Natural Resource Policy. 3 Hours.
This course examines the historic evolution, current trajectory, and future trends of wildlife, fisheries, as well as natural resources policy, laws, and mandates. Special emphasis will be placed on current laws and administrative agencies from a global, national, regional, and statewide standpoint. In addition, the course will survey various natural resources agencies in North Dakota and address the growing importance of non-governmental organizations in policy formation.

BIOL 346. Developmental Biology. 4 Hours.
This course covers the morphological changes occurring during the development of select animals, as well as the current understanding of underlying molecular mechanisms that regulate development and produce those morphological changes. Lecture, 3 hours; laboratory, 3 hours. Prerequisite: Student must complete BIOL 215 before enrolling in this class.

BIOL 347. General Ecology. 4 Hours.
Plants and animals in their environment. An ecosystem approach is used. Lecture, 3 hours; laboratory, 3 hours. Prerequisite: Student must complete BIOL 150 and either 151, 142 or 154 before enrolling in this class.

BIOL 349. Plant Physiology. 4 Hours.
Physiological processes of plants with special emphasis on nutrition, metabolism, growth, and development. Lecture, 3 hours; laboratory, 3 hours. Prerequisites: BIOL 150.

BIOL 350. Freshwater Biology. 4 Hours.
Biological, chemical, and physical characteristics of inland waters including origins, interrelationships and the effect of civilization. Lecture, 3 hours; laboratory, 3 hours. Prerequisite: Students must complete BIOL 142 or 150 or 151 or 154 before enrolling in this class.

BIOL 355. Ecology of Fishes. 3 Hours.
This course examines worldwide fish populations in relation to various ecosystems, microhabitats, environmental degradation, connectivity, and physical forcing factors that drive both marine and aquatic systems. There will be a special emphasis on the behavioral evolution, reproductive strategies, and early-life history dynamics of fishes. Various aquatic and marine fish assemblages and their population structures will also be covered.

BIOL 360. Morphology of Vascular Plants. 4 Hours.
Structure and development of vascular plants with special emphasis on evolutionary trends. Lecture, 3 hours; laboratory, 3 hours. Prerequisite: Students must complete BIOL 150 before enrolling in this class.

BIOL 394. Independent Study General Biol. 1-4 Hour.

BIOL 401. Population Genetics. 4 Hours.
This course explores the mechanics of evolution from the viewpoint of allelic frequencies. It begins with the basic theory of Hardy Weinberg equilibrium and expands that theory to embrace linkage disequilibrium, selection in single-locus and multi-focus systems, genetic drift, and the effects of mutation rates, population size, and migration on the genetic structure of populations. Exposure is given to classic ideas (e.g., shifting balance theory and runaway sexual selection) and to applications of theory (e.g., breeding designs, conservation genetics. Lecture, 3 hours; recitation, 1 hour. Prerequisites: BIOL 215.

BIOL 402. Bioinformatics. 4 Hours.

BIOL 405. Prokaryotic Physiology. 4 Hours.
In-dept examination of the physiology, metabolism, and genetics of bacteria and archaea. Lecture, 3 hours; Laboratory, 3 hours. Prerequisites: BIOL 215 and 151 or 142, or 154.

BIOL 420. Co-Op Practicum. 4-8 Hour.
A cooperative program with industry, state, and federal agencies for an in-depth study of a specialized aspect of biology. Students spend approximately 25 clock hours per semester hour for the practicum. Prerequisites: 2 years of biology or consent of biology coordinator.

BIOL 430. Pre-Veterinary Practicum. 3 Hours.
This program is designed to give MSU students a hands-on experience in veterinary medicine. The students spend about 80 hours per semester for the practicum. Prerequisite: 2 years of biology.

BIOL 431. Wildlife Management and Conservation. 4 Hours.
This course examines the principles and practices of wildlife management and conservation. Course topics will focus on human management of wildlife and their habitats and explore theory and methods for managing wildlife resources. Prerequisite: Students must complete BIOL 151 before enrolling in this class. Corequisite: Students must complete or be simultaneously enrolled in BIOL 347 before enrolling in this class.
Biology Courses

Biol 432. Human Dimensions of Wildlife Management. 3 Hours.
This course focuses on the human dimensions of wildlife management and addresses the sociological implications of human decisions for managing wildlife resources. Course topics will explore the governance of wildlife resources; the role of stakeholders; public attitudes; values; ethical considerations of use and management of wildlife resources; and perceived impacts of human-wildlife interactions. Prerequisite: Students must complete BIOL 151 and BIOL 347 before enrolling in this class.

Biol 439. Conservation Biology. 3 Hours.
A course that integrates information from the disciplines of ecology, genetics, biogeography, economics, environmental policy, and ethics towards understanding how to maintain and restore biological diversity.

Biol 440. Pre-Med Practicum. 3 Hours.
This program is designed to give MSU students a broad exposure to the workings of medical facilities and of the work of medical professionals. Students spend 70-80 hours per semester in the various departments of the local hospital and surrounding clinics. Students are given the opportunity to shadow physicians and other health care professionals. Opportunities vary each semester, but can include rotations in the ER/ED, OR, and laboratory. Students can request concentration in areas of interest. The course is co-coordinated by a biology professor on campus and at Trinity Hospital. Prerequisite: Consent of instructor. Restricted to Biology or Chemistry Majors and senior status.

Biol 445. Cancer Biology. 3 Hours.
This course describes the major aspects of cell cycle control and relates them to the multiple cell cycle defects associated with cancer. Lecture, 3 hours. Prerequisites: BIOL 215.

Biol 448. Systematic Botany. 4 Hours.
Classification and taxonomy of plants with emphasis on local flora. Lecture, 3 hours; laboratory, 3 hours. Prerequisite: BIOL 154.

Biol 450. Parasitology. 4 Hours.
Morphology, taxonomy, and life histories of the endemic, exotic, and zoonotic parasites of the animal kingdom. Diseases caused by parasites are also presented. Lecture, 3 hours; laboratory, 3 hours. Prerequisite: Restricted to students who are Medical Laboratory Science majors.

Biol 452. Ichthyology. 4 Hours.
This course addresses the biology, evolution, and ecology of freshwater and marine fishes. Special emphasis will be on the anatomy, physiological adaptations, as well as the conservation of taxa in both freshwater and marine systems. In lab, students will learn to archive and identify regional fishes collected during field trips. Special emphasis will be placed on the biodiversity and taxonomy of regional fishes. Students will also be expected to present a detailed description of a particular fish species of their choosing during the semester.

Biol 455. Hematology. 4 Hours.
Study of the blood and hematologic disorders including anemia, leukemia, and other blood dyscrasias. Lecture, 3 hours; laboratory, 3 hours. Prerequisite: Restricted to students who Medical Laboratory Science majors.

Biol 458. Anatomy of Seed Plants. 4 Hours.
Development of cells, tissues, and organs in seed plants. Lecture, 3 hours; laboratory, 3 hours. Prerequisites: BIOL 150.

Biol 460. Herpetology. 4 Hours.
Herpetology is the study of reptiles (exclusive of birds) and amphibians; this includes extant groups (e.g., frogs) and extinct groups (e.g., dinosaurs). This course begins with the phylogeny, history, and taxonomy of “herps” (i.e., reptiles and amphibians) and progresses to coverage of physiology, ecology, and behavior. Prerequisite: BIOL 151.

Biol 462. Ornithology. 4 Hours.
The evolutionary origin, characteristics, ecology, and distribution of recent birds. Course topics will include origin and diversity, form and function, behavior, reproduction, and ecology and conservation. Field work in addition to regular laboratory periods may be required. Prerequisite: Students must complete BIOL 151 before enrolling in this class.

Biol 464. Mammalogy. 4 Hours.
The evolutionary origin, characteristics, ecology, and distribution of recent mammals. Course topics will include mammalian phylogeny and diversification, structure and function, adaptive radiation and diversity, behavior and ecology, and special topics. Labs will focus on the identification, collection, and preservation of specimens. Field work in addition to regular laboratory periods may be required. Prerequisite: Students must complete BIOL 151 before enrolling in this class.

Biol 465. Immunology. 4 Hours.
Principles and techniques of immunology, including innate and adaptive immune responses. Special topics include immunology based research techniques, tumor immunology and immune dysfunction. Lecture, 3 hours; laboratory, 3 hours. Prerequisites: BIOL 150.

Biol 470. Histology. 4 Hours.
The course presents the microscopic anatomy of vertebrates with an emphasis on humans. Structure-function relationships at the cell and tissue levels are highlighted. Cell and tissue anatomy comprise the structural basis of normal physiology. Knowledge of histology is essential for understanding disease mechanisms in terms of altered structure and function of the body. Students are expected to identify cells, tissues and organs, and understand the structural basis of their function. Emphasis is placed on microscopic study in laboratories. Lecture, 2 hours; laboratory, 4 hours. Prerequisite: BIOL 150 or 220.

Biol 475. Clinical Microbiology. 4 Hours.
Isolation, identification, and clinical application of pathogenic microorganisms. Lecture, 3 hours; laboratory, 3 hours. Prerequisite: BIOL 142.
BIOL 480. Molecular Biology. 4 Hours.
This course covers a variety of topics concerning the macromolecules of living cells, focusing on nucleic acids and proteins. Major areas of study include: DNA replication and transcription, protein synthesis (translation), and comparison of processes in prokaryotic and eukaryotic cells. The latter part of the course will focus on mechanisms of gene expression, the molecular genetics of cancer, and applied molecular biology. Lecture, 3 hours; laboratory, 3 hours. Prerequisite: Student must complete BIOL 215 before enrolling in this class.

BIOL 481. Plant Biochemistry. 4 Hours.
This course explores the biochemical pathways of plants with an emphasis carbon and nitrogen metabolism as well as the diverse secondary metabolism of plants. Lecture, 3 hours; Laboratory, 3 hours.

BIOL 482. Neurobiology. 4 Hours.
This course covers the organization and function of the nervous system. Students will learn about the nervous system at the anatomical, neurophysiological and molecular level. The course starts with the study of neuron at the cellular level and how they communicate chemically as individual cells and as a group. We then cover topics in sensation and how the nervous system commands the body. In the later part of the semester we will examine the neurobiology of human behavior, such as motivation, attention etc. and mental illnesses. Lecture, 3 hours. Laboratory, 3 hours. Prerequisites: Students must complete BIOL 150, CHEM 121, and CHEM 122 before enrolling in this course. Student must also have sophomore status or higher.

BIOL 492. Directed Research. 1-5 Hour.
The faculty of the Department of Biology considers a valuable component of the curriculum. The content and extent of research projects are determined by the student and a faculty sponsor. The research may be in the lab or field and is intended to help the student develop a greater appreciation of the scientific process. While publication is not a requirement, all projects have a goal of producing publishable results. A successful experience in research can be an asset for graduate studies and many careers in biology. Prerequisites: BIOL 150 and BIOL 151, or BIOL 142, or BIOL 154.

BIOL 499. Special Topics. 1-8 Hour.

BIT 120. Introduction to Cybersecurity. 3 Hours.
This course will increase student's understanding of the broad areas of cybersecurity. Discussion of the best practices for personal, professional, corporate, financial, and government protection strategies. The course will focus on three major areas: technical, organizational, and legal aspects of security. The exposure to security topics will assist students with future endeavors in all disciplines. The course does not assume any prior knowledge of computer security and can be enjoyed by anyone interested in improving the security of their digital information.

BIT 123. Technology-Personal Development. 3 Hours.
Introduction to technology for personal development. Emphasis placed on how to leverage technology to achieve goals and improve quality of life.

BIT 154. Word Processing & Presentation Software. 3 Hours.
Focuses on an intermediate level of Microsoft Word and Microsoft PowerPoint. The focus of the Word portion is business correspondence, reports, tables, mail merge, templates, and styles; the focus of PowerPoint is slide creation and delivery of business presentations utilizing appropriate text, graphics, objects, and pictures. Microsoft Office Specialist (MOS) certification is encouraged after completion of this course. Prerequisites: Previous computer experience.

BIT 185. Technology Management. 3 Hours.
Designed to explore current issues, approaches to the management of technology, the interaction of new technologies with existing technologies, legal and regulatory implications of technology, ethics, and the processes through which organizations generate and absorb technological innovations.

BIT 220. Management Information Systems. 3 Hours.
Designed to provide an introduction to systems and development concepts, technology acquisition, and various types of application software that have become prevalent or are emerging in modern organizations and society. Also introduces students to contemporary information systems and demonstrates how these systems are used throughout global organizations. The focus of this course is on the key components of information systems - people, software, hardware, data, and communication technology, and how these components can be integrated and managed to create competitive advantage.

BIT 235. Introduction to Web Site Design. 3 Hours.
Basics of web site design using HTML code and web editing software.

BIT 244. IT Security & Information Assurance. 3 Hours.
Designed to explore hardware, software, processes, communications, applications, policies, and procedures with respect to organizational IT Security and Risk Management. Offered on-campus Fall odd years and online Spring even years. Students must complete BIT 120 and BIT 185 prior to enrolling in this course.

BIT 258. IT Infrastructure. 3 Hours.
Designed to explore topics related to both computer and systems architecture and communication networks.

BIT 299. Special Topics. 1-3 Hour.

BIT 302. Business Communication. 3 Hours.
Focuses on professional communication in written, oral, and nonverbal channels. Emphasis on message planning in the digital age and with diverse populations, workplace communication, business report writing and presenting, and employment communication. Prerequisite: ENGL 110.
BIT 310. Project Management. 3 Hours.
The course is designed to examine the processes, methods, techniques and tools that organizations use to manage their information systems projects utilizing a systematic methodology for initiating, planning, executing, controlling, and closing projects. Students must complete BIT 220 before enrolling in the course. A co-requisite is BIT 311.

BIT 311. Organizational Collaboration. 3 Hours.
Course explores collaboration within an organization, including establishment and maintenance of a collaborative culture, virtual team development and member roles, collaborative communication, and collaborative tools and technology. Student must complete BIT 220 before enrolling in this class. Co-requisite course is BIT 310.

BIT 340. Enterprise Architecture. 3 Hours.
Designed to explore the design, selection, implementation, and management of enterprise resource planning (ERP) solutions for information systems. The focus is on applications and infrastructures as applied within the business. The course will also address outsourcing and use of a cloud environment. Prerequisite: BIT 220.

BIT 347. Data Analytics for Business. 3 Hours.
Data has become the new economic asset for business that interacts with all areas of society. Data Analytics for Business introduces data analytics in a business environment using a variety of business cases. Students will acquire practical data analytic abilities that will include data pattern recognition, analytical frameworks, predictive model construction, social network analysis, and investigation of hidden relationships within the data. Students will present the data using visualization and acquired knowledge from using different analytic software.

BIT 391. Methods of Teaching Business. 3 Hours.
Emphasizes the competencies needed for preservice teachers that may apply to the teaching of any business course. Special emphasis placed on classroom management strategies, unit development, lesson planning, evaluation and assessment option, along with other activities pertaining to the actual teaching experience. Offered on campus fall odd years.

BIT 399. Special Topics. 1-3 Hour.

BIT 421. History and Philosophy of CTE. 3 Hours.
Focuses on the history, growth, legislation, and elements of Career and Technical Education (CTE). An overview of the organization and administration at the federal, state, and local level is included. Prerequisite: Admission to teacher education.

BIT 423. Leadership in CTSOs. 3 Hours.
Study of planning and implementing of career and technical student organizations. Principles in developing co-curricular career and technical education curriculum are included. Offered on campus Fall odd years. Prerequisite: Admission to Teacher Education.

BIT 441. IS Strategy, Management, & Acquisition. 3 Hours.
Designed to explore the issues and approaches to managing change, managing the information systems function in organizations, and how the IS function integrates, supports, and enables various types of organizational capabilities.

BIT 445. IT Audit Controls. 3 Hours.
Designed to explore the fundamental concepts of the information technology audit and control functions. The focus of this course is to gain an understanding of information controls, the types of controls and their impact on the organization, and how to manage and audit the technology in an organization. Offered online Fall semesters, and on-campus Spring semesters. Prerequisite: Students must complete BIT 185 before enrolling in this course.

BIT 452. Client/Server Database. 3 Hours.
Designed to explore the issues of managing database systems as essential organizational resources. Students learn the enterprise-data-architecture components, data storage configurations, and information retrieval methods. Offered on campus Spring even years and online Fall odd years. Prerequisite: Student must complete BIT 312 before enrolling in this class.

BIT 453. Systems Analysis. 3 Hours.
Designed to explore systematic methodologies for analyzing a business problem or opportunity, determining what role, if any, computer-based technologies can play in addressing the business need, articulating business requirements for the technology solution, specifying alternative approaches to acquiring the technology capabilities needed to address the business requirements, and specifying the requirements for the information systems solution. Students must complete BIT 310 and BIT 311 before enrolling in the course.

BIT 454. Data and Information Management. 3 Hours.
Provides the students with an introduction to the core concepts in data and information management. It is centered around the core skills of identifying organization information requirements, modeling them using conceptual data modeling techniques, converting the conceptual data modes into relational data models and verifying its structural characteristics with normalization techniques, and implementing and utilizing a relational database. Prerequisites: Students majoring in MIS must complete BIT 453 prior to enrolling in the course.

BIT 455. E-Commerce. 3 Hours.
Exploration of E-Commerce and E-Business technologies and key concepts of the evolving dynamic of business and information system environments. Students will present the data using visualization and acquired knowledge by implementing different analytic software solutions. Prerequisites: Students must complete BIT 454 before enrolling in the course.
BIT 460. MIS Seminar. 3 Hours.
The MIS seminar provides the students an opportunity to explore current issues, trends, and careers in the field. Prerequisite: Restricted to students with senior status.

BIT 470. Projects in MIS. 3 Hours.
This is the culminating experience for all MIS majors. The application of concepts learned from courses taken in the College of Business core and Management Information Systems courses are applied to real world projects. Students must complete BIT 455 prior to enrolling in this course. BIT 441 and BIT 460 can be taken while take BIT 470. Restricted to students with senior status.

BIT 494. Independent Study. 1-8 Hour.

BIT 497. Internship. 1-9 Hour.
Internship allows the student to combine an on-the-job learning experience with related academic coursework. Prerequisite: Restricted to MIS majors.

BIT 499. Special Topics. 1-3 Hour.
Topics will vary from year to year.

BOTE 147. Word Processing. 3 Hours.
Use of current word processing software to create professional business documents including letters, memos, reports, tables, forms, brochures, and graphic aids. Advanced features in printing, macros, and merging also practiced. Prerequisite: BOTE 152 or at least one semester of high school keyboarding. Offered online only.

BOTE 152. Keyboarding II. 3 Hours.
Development of speed and accuracy in keyboarding straight copy and production activities. Emphasis placed on formatting and keying various business documents including memos, letters, reports, and tables from straight copy, rough drafts, and unorganized material. Student must complete at least one semester of high school keyboarding before enrolling in this class. Offered online only.

BOTE 247. Spreadsheet Applications. 3 Hours.
Intermediate and advanced use of application software for creation of spreadsheets, graphs, databases, and macros. Integration with other software applications is also reviewed. Prerequisite: Students must complete at least one college level math course, ASC 093 (Intermediate Algebra) or higher before enrolling in this course.

BUS 300. Prior Learning Assessment. 1 Hour.
Prior Learning Assessment Portfolio Development is a one-credit experience where students develop one or more Prior Learning Portfolios. A Prior Learning Portfolio is a collection of materials, reflections, and artifacts compiled to demonstrate previous non-academic experience and knowledge relevant to a specific course in your academic degree plan. A portfolio consists of multiple required components. Each portfolio component plays a role in demonstrating mastery of course objectives. Portfolio components will illustrate knowledge, comprehension, application, analysis, synthesis, and evaluation of prior learning.

BUS 495. Seminars in Leadership Development. 3 Hours.
This is an applied leadership course that emphasizes effective, compassionate, and ethical leadership within the leader/follower dynamic. Students shall apply techniques relevant to authentic leadership including self-awareness, self-management, environmental situations, social awareness and responsibility, and relationship management. A service-learning project is integrated into this applied experience. Prerequisites: Instructor consent is required.

BUS 496. Business Research. 3 Hours.
Under the supervision of a College of Business faculty member, students shall conduct a research project using the steps in the scientific method including design, execution, analysis, and communication of findings. The project must be aligned with their College of Business program. Based on a topic mutually agreed upon between student and a supervising faculty, students will demonstrate that they (i) know the literature; (ii) have chosen and applied an appropriate methodology; and (iii) have made an appropriate contribution for the benefit of the identified audience. This course is intended to substitute for a senior-level course in the student's academic discipline. Limited to College of Business majors, department consent is required and senior status.

BUS 497. Internship. 1-12 Hour.
Internship allows the student to combine an on-the-job learning experience with related academic coursework. Restricted to any College of Business major or minor and consent of Internship Coordinator.

CHEM 110. Survey of Chemistry. 4 Hours.
An introductory course covering topics that concern students' everyday lives. This course is designed for liberal arts and general education students. The course consists of an introduction to the science and includes historical perspectives. The course is intended to present chemistry in its broad culture, social, and economic context. Lecture, 3 hours; laboratory, 2 hours.

CHEM 110H. Honors Survey of Chemistry. 4 Hours.
An introductory course covering topics that concern students' everyday lives. This course is designed for liberal arts and general education students. The course consists of an introduction to the science and includes historical perspectives. The course is designed to present chemistry in its broad cultural, social, and economic context. Assignments will include investigation of specific topics and written descriptions of the findings. Lecture, 3 hours; laboratory, 3 hours. Prerequisite: Honors program admission or 3.30 cumulative GPA and permission of the instructor.
CHEM 115. Introductory Chemistry. 4 Hours.
Presented in greater depth and with more mathematical applications than in CHEM 110. Includes studies of general inorganic principles. Lecture, 3 hours; laboratory, 2 hours.

CHEM 115H. Honors Introductory Chemistry. 4 Hours.
This course introduces concepts in general, organic, and biochemistry. Topics likely to be covered include: measurement, atoms, molecules, elements, the periodic table, nuclear chemistry, compounds, bonds, molecular geometry, classes of organic compounds, gases, liquids, solutions, chemical reactions, solutions, acetic acids, bases, and biochemical compounds. Assignments will include investigation of specific topics and written descriptions of the findings. Lecture, 3 hours; laboratory, 3 hours. Corequisite: Math 102 or 103. Prerequisite: Honors program admission or 3.30 cumulative GPA and permission of the instructor.

CHEM 121. General Chemistry I. 5 Hours.
This course is the first of a two-semester sequence primarily intended for students majoring in science and science-related fields. Topics likely to be covered in this semester include: matter, measurement, atoms, ions, molecules, reactions, chemical calculations, thermochemistry, bonding, molecular geometry, periodicity, and gases. Lecture, 3 hours; recitation, 1 hour; laboratory, 3 hours. Corequisite: MATH 103.

CHEM 122. General Chemistry II. 5 Hours.
This course is the second of a two-semester sequence primarily intended for students majoring in science and science-related fields. Topics likely to be covered in this semester include: intermolecular forces, liquids, solids, kinetics, equilibria, acids, bases, solution chemistry, precipitation, thermodynamics, and electrochemistry. Lecture, 3 hours; recitation, 1 hour; laboratory, 3 hours. Prerequisite: CHEM 121.

CHEM 121H. Honors General Chemistry I. 5 Hours.
This course is the first of a two-semester sequence primarily intended for students majoring in science and science-related fields. Topics likely to be covered in this semester include: intermolecular forces, liquids, solids, kinetics, equilibria, acids, bases, solution chemistry, precipitation, thermodynamics, and electrochemistry. Assignments will include investigations of specific topics and written descriptions of the findings. Lecture, 3 hours; recitation, 1 hour; laboratory, 3 hours. Corequisite: Math 103. Prerequisite: Honors program admission or 3.30 cumulative GPA and permission of the instructor.

CHEM 122H. Honors General Chemistry II. 5 Hours.
This course is the second of a two-semester sequence primarily intended for students majoring in science and science-related fields. Topics likely to be covered in this semester include: intermolecular forces, liquids, solids, kinetics, equilibria, acids, bases, solution chemistry, precipitation, thermodynamics, and electrochemistry. Assignments will include investigation of specific topics and written descriptions of the findings. Lecture, 3 hours; recitation, 1 hour; laboratory, 3 hours. Corequisite: Math 103. Prerequisites: CHEM 121H/121HL, Honors program admission or 3.30 cumulative GPA and permission of the instructor.

CHEM 127. Chemistry of the Environment. 4 Hours.
This course is unique in that it uses topics of concern/interest to facilitate the learning and understanding of the scientific concepts behind them. The course will use current environmental topics, such as our atmosphere, global warming, energy, the ozone layer and water quality, to bring forward important chemical concepts as naming, bonding, stoichiometry, energetics, pH and chemical reactions. The course will also bring an interdisciplinary flavor to the material, discussing such topics as the carbon cycle and biological contributions, how earth processes may affect the quality of our drinking water and the effect of acid rain on the earth (both in terms of the geology and the ecosystem).

CHEM 227. Principles of Environmental Chemistry. 4 Hours.
Designed to provide students with a basic introduction to Environmental Chemistry. The course will introduce students to the environmental pathways, toxicology, and organic and inorganic environmental contaminants. The students will also study various processes in the environment, including those in air, soil, and water. Depending on time, the students may also be introduced to the management of hazardous chemicals. Prerequisite: Student must complete CHEM 127 before enrolling in this course.

CHEM 230. Quantitative Analysis. 5 Hours.
A course in quantitative chemistry including gravimetric and volumetric analysis, statistical treatment of data, and an introduction to some instrumental analysis. Lecture, 3 hours; laboratory, 6 hours. Prerequisites: CHEM 122.

CHEM 240. Fundamentals of Organic Chemistry. 5 Hours.
Theory of bonding and structure in organic molecules and their reactions. An emphasis on functional groups related to biological molecules. This course presents the minimum preparation for CHEM 480. Offered in the spring. Lecture, 4 hours; laboratory, 2 hours. Prerequisite: CHEM 122.

CHEM 299. Special Topics. 1-8 Hour.

CHEM 311. Organic Chemistry I. 5 Hours.
A study of different classes of organic functional groups, their nomenclature, reactions, and properties. An introduction to Infrared and Nuclear Magnetic Resonance Spectroscopy is included. Offered in the fall. Lecture, 3 hours; laboratory, 3 hours; recitation, 1 hour. Prerequisite: CHEM 122.

CHEM 321. Organic Chemistry II. 5 Hours.
A continuation of CHEM 311. A study of the chemical and mechanistic properties of organic functional groups. Offered in the spring. Lecture, 3 hours; laboratory, 3 hours; recitation, 1 hour. Prerequisite: CHEM 311.

CHEM 360. Principles of Physical Chemistry. 4 Hours.
This course is designed for students interested in chemical education at the secondary level. Topics include gas laws, thermodynamics, equilibria, kinetics, quantum mechanism and spectroscopy. Offered alternate years. Lecture, 3 hours; laboratory, 3 hours. Prerequisites: CHEM 230 and MATH 107.
CJ 201. Introduction to Criminal Justice. 3 Hours.

CJ 226. Introduction to Criminal Investigation. 3 Hours.
This course provides a broad examination of the basic principles involved in conducting a criminal investigation. Specifically, the students in this course learn about the general modus operandi of different types of criminals in committing; violent crimes, property crimes, organized crimes, sex crimes, cybercrimes, and several others in addition to gaining knowledge and skills to carry out basic processes of investigating these crimes. Furthermore, the course explores issues like reporting and documenting crimes and crime scenes, forensic examinations, interrogation and intelligence as well as carrying out searches. Prerequisite: CJ 201.
CJ 227. Crimes Against Children. 3 Hours.
This course explores child abuse and neglect as major types of crimes committed against children. Considering the fact that processing these types of crimes requires a set of specific knowledge and skills, this course primarily intends to teach students about the methods of identifying victims, mandatory reporting requirements, techniques of investigation and interviewing children. In addition, this course intends to provide students a broader perspective on understanding the social and individual dynamics of these types of crimes as well as potential policies and programs to prevent them. Prerequisite: CJ 201.

CJ 229. Interviewing and Interrogation. 3 Hours.
This course aims to help students to gain a set of essential knowledge and skills to carry out interviews and interrogation for investigative and legal purposes as used in law enforcement, probation, corrections, juvenile justice, homeland security, and in other areas of application. Specifically, it covers crucial interpersonal communication skills as well as methods and techniques for understanding the psychological, ethical, and legal aspects of obtaining information from subjects. Prerequisite: CJ 201.

CJ 299. Special Topics. 1-8 Hour.
Independent investigations of topics of special interest related to criminal justice. Topics may vary to reflect contemporary criminal justice issues. Prerequisite: CJ 201.

CJ 300. Policing. 3 Hours.
The broader objective of this course is to help students to gain knowledge and develop an intellectual perspective on the structure, role and organization of policing in a democratic, multi-cultural, postmodern society. Specifically, the course examines the philosophical, social, legal and political aspects of law enforcement as well as current and future trends, research, and practices that are developed for its overall functions. Prerequisite: CJ 201.

CJ 302. Use of Force in Policing. 3 Hours.
This course will examine the origins of police use of force to include a review of case law and department policy involving the various use of force levels by law enforcement. Students will research and review specific instances where the use of force by law enforcement have occurred. The course will include an examination of the subculture of policing and the situational factors affecting an officer’s use of force and as a victim of violence. The course will review of the investigatory and judicial process after a law enforcement use of force incident and the statistical information involving the use of force by law enforcement. Prerequisite: Introduction to Criminal Justice (CJ 201).

CJ 320. Community Corrections. 3 Hours.
This class is intended to provide an analysis of probation, parole, and intermediate punishments. The course includes a brief overview of the history of community corrections in the United States. It is designed to familiarize students with the most recent developments in community-based corrections, including implementation, management, effectiveness, and challenges. It provides detailed descriptions of alternatives to incarceration, assumptions underlying programs, and outcome studies. A significant amount of discussion and in-depth analyses will include topics of probation, parole, community corrections, officers, treatment, offender assessment, and intermediate punishments. Prerequisite: CJ 201.

CJ 330. Criminological Theory. 3 Hours.
This course intends to help students to gain an intellectual perspective on the nature of criminal behavior through which a comprehensive understanding regarding the existing and potential practices of the criminal justice system can be developed. This course examines positivist and classical perspectives of criminological theory regarding why people are committing crimes. More specifically, it explores legal, biological, social and psychological correlates of criminal behavior. Prerequisite: CJ 201.

CJ 332. Restorative Justice. 3 Hours.
A different approach to discipline, restorative justice, focuses on restoring the offender, victim, and the community. This class will examine the history of restorative justice, restorative justice programs for adult and juvenile offenders, effectiveness of its use, and offender populations most commonly selected for restorative justice inventions. Prerequisite: CJ 201.

CJ 340. Juvenile Justice System. 3 Hours.
Illustrated major components of juvenile justice system, including arrest, intake, adjudication, and disposition of juvenile offenders; examines transfer process for treating juveniles as adults; describes landmark legal cases extending rights to juveniles; examines juveniles court organization as an adversarial system; treatment of contemporary juvenile justice issues, including death penalty for juveniles and deinstitutionalization of status offenders. Prerequisite: CJ 201.

CJ 344. Media, Internet and Crime. 3 Hours.
Media, Internet, and Crime will prepare students to understand how mass media presents crime, criminals, and the American criminal justice system with respect to policing, courts, and corrections. The focus of this course will look at the historical evolution of media (sound, print, visual, comic books, film, television, video games, recorders) and the impact of the computer and the internet in the 21st century as it applies to dissemination of crime-related information. This course will attempt to dispel common misconceptions about the mass media’s effects on crime and justice. Prerequisite: CJ 201.

CJ 345. Policy Issues in Criminal Justice. 3 Hours.
Assessment of the development, efficacy, and politics of criminal justice policy. Emphasis on analyzing the formulation, implementation, and evaluation of criminal justice policy. Prerequisite: CJ 201.

CJ 348. Legal & Ethical Issues in Criminal Justice. 3 Hours.
This course explores a wide range of legal philosophies and ethical issues in decision making and agency operations. Included are conflict in standards, decision making and operational priorities during routine and crises situations, professionalism in recognizing and dealing with questionable behavior of individuals, and the consequences of failing to deal effectively with them. Prerequisite: CJ 201.
CJ 362. Gender Issues in Criminal Justice. 3 Hours.
This course will look at the constantly evolving gendered nature of crime, criminal justice theory, policy and practice and emerging legal doctrines about privacy and sexual rights. Key themes will include gender differences in criminal behavior, criminal victimization, criminal processing and law progression. In addition, the discussion of evolution of gender employment in the Criminal justice system will be included. Prerequisite: CJ 201.

CJ 364. Cybercrimes. 3 Hours.
Cyber world is a recent context where many crime-related activities are going on at an incredible phase in different formats. The major objective of this course is to prepare students for their future careers in the field of criminal justice or related areas by providing essential knowledge with the major concepts, trends and issues in regards to the crimes committed in this very context. This course will be a general survey of the topic where the following areas will be covered during the course: - Computer as target (access offenses, interception of data, etc.) - Fraud and related issues on cyberworld - Content-related offenses (pornography, gambling, etc.) - Offenses against the person (harassment, etc.) - Major principles and procedures in the investigation of cybercrimes - Legal and jurisdictional matters. Prerequisite: CJ 201.

CJ 366. International Crime. 3 Hours.
This course is an introduction to international crime and international criminal justice. Issues discussed include topics like globalization and globalized crime, international criminal law, international and transnational crimes, contemporary slavery, human smuggling and human trafficking. The course's goals should be viewed in the context of the phenomenon of globalization. An increasing number of people hold the view that because of globalization we cannot afford to ignore what happens in the world outside of the United States, and that knowledge of other cultures - including cultures of law and legal systems - is absolutely crucial in order to be able to meaningfully and respectfully interact with other nations of the world. Prerequisite: CJ 201.

CJ 368. Campus Crime. 3 Hours.
This course will give students a comprehensive understanding of campus crime and victimization. Special attention will be given to understanding the scope of the crime problem nationally and within North Dakota with a focus on victims of sexual assault. The course will also actively research intervention strategies, prevention policies, and the role of the Clery Act, Title IX, and student responses to the problem. Prerequisite: CJ 201.

CJ 375. Gangs. 3 Hours.
Explores gang phenomena in U.S.; concentrates in recent research about formation and gang related violence including the various criminological theories that explain the social, economic, political, and environmental reasons for the rise of gangs in various American urban centers. Prerequisite: CJ 201.

CJ 380. Corrections. 3 Hours.
Examines institutionalization of convicted offenders; describes jails and prisons; investigates issues including privatization of prison operations, inmate rights; correctional officer duties/training/ responsibilities are described; examines post-institutionalization experiences of released inmates in community programs; examines classification systems used to determine one's level of custody; describes different types of prisons/jails and their functions. Prerequisite: CJ 201.

CJ 381. Institutional Corrections. 3 Hours.
This course will examine the various issues in prisons and jails in the U.S. Past and current literature will be discussed regarding institutional corrections and participants in prisons and jails, including inmates, officers, and administrators. The explored issues include the purposes of incarceration, differences between jails and prisons, adaptation to life in prison for inmates, differences between male and female inmate experiences, correctional officers, prison violence, relationships in prison, and prisoners' rights. Prerequisite: CJ 201.

CJ 382. Correctional Rehabilitation. 3 Hours.
Various issues related to the implementation and effectiveness of correctional treatment approaches and programs will be presented in this course. This course will cover specific correctional programs, the risk/needs/responsivity model for effective correctional programming, the history regarding the goals of corrections, the research on whether correctional programs are reducing crime, and the most common targets for correctional interventions. Prerequisite: CJ 201.

CJ 383. Offender Risk Assessment and Typology. 3 Hours.
Almost all correctional settings, institutional or community-based, rely on offender assessment to guide practices with offenders. This class will provide a hands-on approach to conducting numerous actuarial risk assessments commonly used in correctional practice, such as the Level of Service Inventory-Revised (LSI-R). It will also discuss the barriers of offender typology in actuarial risk assessments including sexual offenders, drug offenders, and female offenders. Prerequisite: CJ 201.

CJ 384. Special Correctional Populations. 3 Hours.
This course provides an introduction to special correctional populations including: sexual offenders, drug offenders, female offenders, those with mental illness, those with learning disabilities, and others. Various definitions of these offenders will be examined as well as the theories behind their criminal behavior. Appropriate assessment, placement, and treatment of special correctional populations will guide the course. Prerequisite: CJ 201.

CJ 385. Terrorism & Homeland Security. 3 Hours.
This course has two major components: It, first, explores terrorism from an international and national perspective; examines the social, political, and cultural reasons for terrorism. In addition, the students learn about different types of terror and terrorist organizations existing in different countries and regions around the world. The second part of this course is dedicated to an exploration of homeland security. In this part of the course, the students learn about what constitutes homeland security as a concept as well as the practical operations and the history and legal foundations of the agencies responsible for maintaining homeland security. Prerequisite: CJ 201.
CJ 386. Juvenile Corrections. 3 Hours.
This course includes an examination of the history of ideas about and responses to juvenile delinquency. The course will also evaluate the scope and nature of juvenile delinquency historically and today. Explanations of the different patterns of offending and types of offending of juvenile delinquents as well as effective correctional practices will be examined. Finally, the course will devote a significant amount of time critiquing the responses of various parts of the juvenile justice system including probation officers, as well as responses by other social institutions such as the family, community, and schools. Prerequisite: CJ 201.

CJ 387. Punishment-From Corporal to Capital. 3 Hours.
Capital punishment is a controversial topic within the field of criminal justice. This course will provide students with the opportunity to get acquainted with the history of capital punishment; introduce the social and political perspectives that surround punishment; explore methods and costs of capital executions and other means of punishment such as prisons; review moral, ethical and political arguments related to the use of punishment; and examine the implications of using the death penalty as a form of punishment. Prerequisite: CJ 201.

CJ 390. Criminal Justice in Indian Country. 3 Hours.
Course examines historical and contemporary issues of crime, delinquency, justice, and public safety on American Indian Reservations and Alaskan Native Villages in the US. Specific focus will be given tribal justice systems; tribal interactions with Federal Justice Organizations (FBI, Federal Courts and Probation, Federal Bureau of Prisons), as well as tribal interface with local/county/state police, courts and corrections in 280 states such as ND. Tribal law and order reforms under PL 111-211 are examined along with reform policies for dealing with domestic violence, substance abuse, and gang violence. Prerequisite: CJ 201.

CJ 394. Independent Study General CJ. 1-6 Hour.
Intensive study of substantive interest areas of students; major literature review leading to analytical paper; topics chosen collaboratively by student and instructor/advisor. Prerequisite: consent of instructor.

CJ 395. Victims & Victimology. 3 Hours.
The course provides a student's overview of the characteristics and trends of victims in a variety of settings, and the criminal justice system's perception and response to these individuals. Prerequisite: CJ 201.

CJ 401. Administration of Criminal Justice Systems. 3 Hours.
This course is an overview of organizational theory as it applies to the administration of Criminal Justice agencies. It explores the nature of criminal justice organizations, individual and group behavior in these organizations as well as managerial processes carried out in these organizations. The topics included in this course covers, but not limited with, leadership, motivation, communication, evaluation, socialization, conflict, decision making, organizational change and effectiveness. Prerequisite: CJ 201.

CJ 402. Management Issues in Criminal Justice. 3 Hours.
This course examines organizational management problems and issues that impact the American justice organizations including police, courts, corrections, and juvenile justice. The course addresses organizational theories of administration and management and how these can be applied to contemporary criminal justice management issues. Prerequisite: CJ 201.

CJ 420. Homeland Security Advance. 3 Hours.
This course builds on a student's knowledge about the American Criminal Justice System and its relation to Homeland Security. Course examines Homeland Security's history, legal foundation, national infrastructure and interface with criminal justice. Specific focus is given: intelligence and counterintelligence, weapons of mass destruction, cyber-crime, organized crime, domestic and border security, and immigration issues. Incident command and control systems, adopted in 2012 are discussed. Students completing the course satisfactorily may wish to obtain FEMA certificates. Prerequisite: CJ 201 or consent of Department.

CJ 450. White-Collar Crime. 3 Hours.
Categories of job offending are analyzed through criminological theory, law, and the criminal and regulatory justice systems, including corporate crime, professional crime, individual crime, and crime by state workers. Traditional and novel strategies for the social control of these offenses are also presented. Prerequisite: CJ 201.

CJ 480. Research Methods in Criminal Justice. 3 Hours.
This course is designed to introduce scientific research methodologies to current issues in criminal justice. Research designs, sampling populations (inmates, juvenile delinquents, and minorities) will be the primary focus. Additionally, students will be provided with hands-on experience in developing a research proposal which incorporates methods and analyses for their criminology study. Prerequisites: CJ 201 and CJ 330.

CJ 481. Data Analysis Strategies in Criminal Justice. 3 Hours.
This course examines fundamentals of descriptive and inferential statistical analysis of various types of data used within criminal justice. Specifically, this course explores the appropriate use of data, the limits of various methods, how data is collected and organized, and how to interpret and report findings from the statistical analysis. The students will be exposed to, at least, one of the most commonly used statistical analyses software and gain practical experience in carrying out essential statistical analyses through this software. Prerequisite: CJ 201.

CJ 491. Senior Seminar. 3 Hours.
Integration of program outcomes with application of knowledge, values, and skills necessary for field entry, value and ethical considerations, and the development and implementation of future career objectives. Provides application of core courses, provides students with current developments in key core areas. Prerequisites: CJ 201, criminal justice major, senior status and must have completed all CJ core courses.
CJ 494. Directed Criminal Justice Research. 1-8 Hour.
This course provides an opportunity for students to carry out an independent research project in their area of interest within the field of criminology and criminal justice. The students will practically design their own research project in consultation with the instructor and implement appropriate research method under the guidance and supervision of the instructor. The overall purpose of the course is to help students to gain practical experience of identifying a research problem, designing a research project accordingly and carrying out this project. The students will, eventually, be expected to report the results of this project as a publication and an oral presentation to a group of audience.

CJ 497. Field Experience. 1-6 Hour.
Students practicum in a criminal justice or related agency; course may be repeated in either the same or different agency; designed to enhance these experiences, supplementary readings and written assignments are required. Prerequisites: CJ 201 or consent of instructor; all core requirements must be completed before enrolling; may be repeated once for 3 credit hours.

CJ 499. Special Topics Criminal Justice. 1-8 Hour.
Specialized topics offered as regular classes; topics vary depending upon student and faculty interest. Prerequisite: CJ 201.

COMM 100. Recitals. 0.5 Hours.
This course is required for all Broadcasting and Professional Communication majors and offers a variety of professional development opportunities.

COMM 110. Fundamentals of Public Speaking. 3 Hours.
The theory and practice of public speaking with emphasis on topic selection, content, organization of material, language, methods of securing attention and maintaining interest, delivery and critical evaluation of informative and persuasive messages. May not be used as part of communication arts major, minor, or concentrations.

COMM 120. Introduction to Broadcasting. 3 Hours.
This course introduces students to the history of television and radio broadcasting. Students will explore how the broadcasting industry is undergirded and shaped by a variety of factors, including economics, operations, and emerging media technologies. The course also examines current laws and regulations of the Federal Communications Commission (FCC) and other governing organizations.

COMM 191. Freshman Seminar. 1 Hour.
Introduction to departmental requirements and opportunities. Pre-requisite: Communication major or minor.

COMM 210. Advanced Public Speaking. 3 Hours.
An advanced course in the art of oral discourse. Emphasis is placed on professional presentations, adapting to diverse audiences, logic, persuasion, and rhetorical analysis. Prerequisite: COMM 110 or consent of instructor.

COMM 211. Communication & Popular Culture. 3 Hours.
Includes analysis of audience, occasion, subject, and speaker. Subject matter will include such media as movies, songs, television, humor, fashion, public demonstration, advertisements, architecture, etc. Includes text readings, group discussion, analytical essays, and a critical paper and presentation.

COMM 212. Interpersonal Communication. 3 Hours.
Introduces fundamental concepts of communication between individuals. Exploring aspects of self-expression, relationship communication-how people present themselves, and how others perceive them in return.

COMM 218. Public Relations Principles. 3 Hours.
This course provides an introduction to the theory and practice of public relations. Students learn about the history and growth of PR, as well as the role of PR as a management function. Topics of study include research and planning, campaign implementation, new and social media, professional ethics, and more. Course projects and assignments allow students to build experience in professional speaking and writing as it applies to the field of public relations.

COMM 219. Mass Media and Society. 3 Hours.
Basic communication theory and its application to mass communication with emphasis on social, cultural, and political implication of the media.

COMM 220. Broadcast Advertising & Applications. 3 Hours.
This course introduces students to chief principles and theories of advertising, with emphasis on published examples of print and electronic advertisements. Students learn documented factors that increase the power of advertising through mass media, and they apply this knowledge to a variety of assignments to ultimately understand, critique, and create advertisements for both products and services. Restricted to sophomore, junior, and senior status.

COMM 221. PR & Media Writing. 3 Hours.
Introduction to basic writing skills in the field of public relations & the media. This is a writing intensive course that teaches students how to prepare professional public relations messages for print and electronic media. Specifically, students will learn to compose news releases, fact sheets, media advisories, internal communications information, and more.

COMM 222. Social Media, Writing, and Design. 3 Hours.
Learn techniques used to capture readers’ attention in online and print media while combining images and text to tell the story.

COMM 225. Audio Production I. 3 Hours.
Laboratory and lecture course with emphasis on the principles and techniques of radio production and programming.
COMM 244. Reporting and Feature Writing. 3 Hours.
Introduction to news gathering, judgment, writing, history, conventions, and style of the news story, the newspaper feature story, and the magazine article.

COMM 281. Reporting & Editing. 1 Hour.
Laboratory course in which class members work on the campus paper and attend staff meetings. Repeatable up to eight credits.

COMM 283. TV Activities. 1 Hour.
An opportunity for students to work on various projects that they will produce for on and off campus. Repeatable up to eight credits.

COMM 284. Radio Activities. 1 Hour.
An opportunity for students to work on various audio projects that they will produce for on and off campus groups. Repeatable up to eight credits.

COMM 285. Broadcasting and Professional Communication Activities. 2 Hours.
This course provides hands-on training for technological tools of broadcasting and professional communication, including TV and radio production, public relations, social media, and communication.

COMM 286. Promotions Activities. 1 Hour.
The course provides students with an understanding of how to strategically plan promotions. Students are able to engage in real life events activities such as planning, marketing, advertising, production, writing, and more. Students are taught time management alongside promotions. This course specifically directs students to have hands on experience within the Broadcasting Department. More directly, writing newsletters, promotions of channel 19, alumni relations, web site writing & creation, and advertising.

COMM 291. Sophomore Seminar. 1 Hour.
Study of communication (people, events, activities) as determined by student/professor consultation. Pre-requisite: Communication major or minor.

COMM 297. Internship. 1-2 Hour.
Hands-on experience in the discipline. Restricted to Communication majors or minor or consent of instructor.

COMM 299. Special Topics. 1-8 Hour.

COMM 310. Social Media Strategy and Measurement. 3 Hours.
Students will learn how to strategically plan and implement social media communication for different organizations (for-profit, non-profit) with different audiences and goals, and these efforts will be guided by established research and industry trends. The class will complete a variety of projects that use different forms of communication (videography, photography, graphic design, writing) that span multiple platforms. Students will learn how to measure social media communication using quantitative and qualitative research methods, and they will explore how this data can be used to guide current and future efforts.

COMM 311. Oral Interpretation. 3 Hours.
The study of literature for performance with emphasis on written and verbal analysis. The technique of performance applied to oral reading of literature.

COMM 312. Travel Writing. 3 Hours.
Travel writing comes in many forms and styles. This course combines a survey of travel writing with instruction and practice in travel writing. Students will seek out their own travel experience during the semester the course is taken and return to the classroom to write about that experience.

COMM 315. Persuasion & Argumentation. 3 Hours.
An investigation of the structure, types, and tests of persuasive arguments with practical application through rhetorical analysis and speeches. Prerequisite: COMM 110 or consent of instructor.

COMM 316. Group Dynamics. 3 Hours.
Study of techniques of group discussion and small group theory with emphasis on participating in various types of discussion and conferences.

COMM 317. Rhetorical Theory. 3 Hours.
A study of the development of rhetorical standards and practices from ancient time to the present.

COMM 318. Organizational Communication. 3 Hours.
The course is a study of communication practices in organizations by examining organizational structure, leadership, teambuilding, and ethics. The course will include communication areas such as diversity, conflict, stress, and technology.

COMM 322. Media Sales and Analysis. 3 Hours.
This course explores media sales and analysis within a variety of mediums, including television, radio, newspapers, magazines, online and social media, interactive, and outdoor communication channels. Students will use theory and research to guide their course projects and assignments. Cumulatively, these efforts allow students to build both knowledge and skills that are critical to successful media sales and analysis.

COMM 323. Journalism History. 3 Hours.
Examination of the news gathering function of the mass media with special emphasis on press theory and the development of thought of freedom of expression.

COMM 324. Community Relations. 3 Hours.
This course examines current communication strategies used by public relations practitioners to establish and maintain relationships with different communities. Students apply their knowledge from course readings to complete a variety of applied assignments and at least one community-based project. Topics of study include resource management, social networking, traditional and new media, problem-solving, and more.
COMM 325. Campaigns and Strategies. 3 Hours.
This course explores the integral relationship between public relations, marketing, and advertising in today's market. The textbook, classroom lectures, guest speakers, and assignments help students build a solid foundation in the fundamentals needed to plan, implement, and evaluate public relations campaigns. Prerequisites: COMM 218 and junior or senior status.

COMM 326. Media Announcing. 3 Hours.
Theories, practices, and techniques of "on-air" presentation will be the focus of this course. Students will develop the skills necessary to perform a variety of media announcing tasks. Students will study the techniques and styles required to perform as media newscaster, interviewers, program hosts, commercial and public service announcers. Prerequisite: COMM 120 or consent of instructor.

COMM 328. Play by Play Communication. 3 Hours.
Focuses on the theory and practice of electronic media sports coverage, with an emphasis on the role, skills and practice of radio and TV sports announcers and electronic sports media journalism. The class includes play-by-play broadcasts and a class project.

COMM 329. Sports Television Production. 3 Hours.
Professional sports media at an advanced level. Special topics in areas such as sports media production, announcing, performance and sports feature. The course will emphasize other performance situations, such as producing and anchoring radio and television sportscasts. After completing this course, students will be able to develop, write, pre-produce, produce, perform as talent and post-produce programming for broadcast sports media.

COMM 344. Investigative Reporting. 3 Hours.
This course is an introduction to the subject matter, techniques, and ethics of investigative reporting. It will include such topics as secondary sources, primary documents, people sources, computer-assisted reporting, writing projects, accuracy, and ethics. Prerequisite: COMM 244.

COMM 354. Special Events Planning. 3 Hours.
The course will introduce students to special events processes and techniques. Students will become knowledgeable about model workplace skills, leadership development, promotions, media relations, and production associated with an event. Additional topics of study include site selection, program planning, and material development.

COMM 360. Video Production I. 3 Hours.
Emphasis on the operation of video, audio, and editing equipment. Prerequisite: COMM 120.

COMM 361. Broadcast News Writing. 3 Hours.
Intensive survey and application of gathering, writing, and presenting.

COMM 362. Broadcast News Gathering. 3 Hours.
An introduction to the practical knowledge of basic electronic news gathering production techniques, as well as to learn to operate equipment associated with ENG. Students will learn the correct terminology and the basic formats of ENG. Prerequisite: COMM 360.

COMM 388. Communication for Educators. 3 Hours.
This course is designed for students pursuing an education or related degree. It will include the study of various communication opportunities faced by person in a professional educational setting.

COMM 389. Directing Forensics. 2 Hours.
Theory, philosophy, and practice in speech contest/festival design and of coaching individual forensic events and debate. Designed for the teacher who will be asked to coach speech on the secondary level. May be taken at the same time as student teaching.

COMM 390. Communication Arts Methods. 4 Hours.
Methods and materials for creative teaching of speaking, listening, and theatre and broadcast activities, in today's secondary school environment. Prerequisite: Admittance to Teacher Education.

COMM 394. Independent Study. 1-3 Hour.
Independent or directed study of special topics in the study of communication. Prerequisite: Communication major or minor.

COMM 395. Service Learning. 3 Hours.
Students will utilize reflection and research (both primary and secondary) to integrate (a) personal community or global service experience(s). Prerequisite: Communication major or minor.

COMM 397. Communication Arts Practicum. 1-3 Hour.
Student Internship with application of specialized speech techniques in broadcasting, theatre, or other areas of communication arts.

COMM 410. Advanced Problems. 3 Hours.
Courses beyond the present offerings on broadcasting, speech communication, and theatre arts. No more than three courses may be accrued.

COMM 412. Communication Law and Ethics. 3 Hours.
A study of the regulatory policies (federal, state, and municipal), history of free speech, the responsibility of the media, the responsibility of the individual as sender and receiver of messages, and ethical decision making in modern electronic and print media. The course will focus on current communications issues in social and workplace settings.

COMM 413. Gender Communication. 3 Hours.
Course designed to explore the theories surrounding differences and similarities in male and female communication. Focus on ways in which gender roles originated and are sustained in a variety of context including families, organizations, institutions, peer groups, the media, and interpersonal relationships. Prerequisites: COMM 110 and junior or senior status.
COMM 425. Crisis Communication. 3 Hours.
This course provides both a theoretical and applied approach to proactive crisis communication. Students learn how to engage in effective communication before, during, and after a crisis in a manner that benefits both the public and the organization at hand. Students also explore how management decisions impact crisis communication and how PR practitioners can support managerial decisions. Throughout the course students complete case studies, participate in mock crisis situations, and learn how to compose, utilize, and evaluate crisis management plans. Prerequisite(s): COMM 218.

COMM 454. Advanced Special Events Planning. 3 Hours.
The course will introduce students to advanced special events processes and techniques. Students will become knowledgeable about model workplace skills, leadership development, promotions, media relations, and production associated with an event. Additional topics of study include site selection, program planning, and material development.

COMM 460. Advanced TV and Social Media Production. 3 Hours.
Use of TV video, audio, and editing equipment in various news and commercial applications. Prerequisite: COMM 360.

COMM 475. Broadcast Production. 1-3 Hour.
The operations, techniques, and practices of broadcast production. Activities include originating, acquiring, organizing, and assembling news segments into a complete television program. Can be repeated for up to twelve credits. Prerequisite: COMM 360.

COMM 492. Senior Portfolio. 1-3 Hour.
In this course, students will present their final portfolios prior to graduation. The portfolio will be compiled throughout the student's academic career and include professional quality elements for the student to market him/herself to potential employers. Portfolios may include coursework and/or work from an internship. Prerequisite: COMM 099.

COMM 497. Broadcast Practicum. 2-4 Hour.
Internship in the mass communication field allowing the students to put into practice, in a professional setting, those techniques and theories learned in their coursework.

COMM 499. Special Topics. 1-8 Hour.

CSCI 101. Introduction to Computer Science. 3 Hours.
General hardware and software issues such as: terminology, environments. Applications such as: word processing, spreadsheets, databases, Internet usage.

CSCI 111. Introduction to Web Languages. 4 Hours.
Introduction to programming in a high-level language. Emphasis on problem solving and logical thinking. Design, implementation and testing of programs for small scale problems using elementary data types and control structures using web programming languages.

CSCI 112. Visual Basic and VBA. 4 Hours.
Introduction to programming in the Visual BASIC and Visual Basic Application.

CSCI 160. Computer Science I. 4 Hours.
An introduction to computer science, with problem solving algorithm development, and structured programming in a high-level language. Emphasis is on code design, code debugging, and code documentation, using techniques of good programming style. Prerequisites: ASC 93 with a C or higher or instructor consent.

CSCI 161. Computer Science II. 4 Hours.
Object-oriented concepts, terminology and notation. The C++ language is explored including topics such as dynamic memory, exception handling, function and class templates, operator overloading, inheritance, polymorphism, and generic programming with the standard template library. Additional topics may include GUI libraries. Prerequisites: CSCI 160 and MATH 103 with a C or higher in both courses.

CSCI 221. Web and Internet Programming. 4 Hours.
Service side programming for the WWW. Emphasis on servlet programming and distributed component programming using API's for object serialization, remote method invocation, database connectivity and XML generation. Prerequisite: CSCI 161 with a C or higher.

CSCI 242. Algorithms & Data Structures I. 4 Hours.
Advanced programming techniques including recursion, divide-and-conquer, and backtracking will be considered. Dynamic and static data structures including lists, stacks, and queues. Modular programming, program specification and verification, and analysis of algorithms. Prerequisites: CSCI 161, MATH 107 or both MATH 103 and MATH 105 with a C or higher in all courses.

CSCI 243. Algorithms & Data Structures II. 4 Hours.
Advanced programming techniques including sorting, binary trees, AVL trees, graphs and networks. A discussion of searching techniques for conceptual graphs and networks and additional searching strategies. Analysis of algorithms will also be presented. Prerequisite: CSCI 242 with a C or higher.

CSCI 260. UNIX Environment. 4 Hours.
An introduction to the UNIX environment. Basic tools and utilities. Shell programming. Prerequisite: CSCI 160.

CSCI 275. Computer and Digital Hardware I. 4 Hours.
Fundamentals of digital systems, data representations, mathematics digital systems, microprocessor design and instruction sets, introduction to laboratory equipment. Prerequisites: CSCI 161. Corequisite CSCI 161.
CSCI 297. Internship. 1-8 Hour.
Supervised professional work experience in a cyber-technology environment at the 100 & 200 course level. May not be counted towards earned credits for major or minor. Student must have departmental approval before enrolling.

CSCI 299. Special Topics. 1-4 Hour.
Prerequisite: CSCI 160.

CSCI 321. Windows Programming. 4 Hours.
Development of applications for the Windows environment and use of a standard library and its classes. Prerequisite: CSCI 161 with a C or higher.

CSCI 322. Robotics. 4 Hours.
Introduction to robotics, emphasis is on computer design, programming of autonomous robot systems, basic dynamics and control of motion, sensors, and artificial intelligence techniques for robot applications in the real world. Individual and group projects analyze robot control problems, designing hardware, and software solutions. Students write basic control programs for different robot platforms and apply state-of-art artificial intelligence techniques to the control of robotic mechanisms. Prerequisite: CSCI 161 with a C or higher.

CSCI 330. Software Engineering and Testing. 4 Hours.
The principles, methods, and models used to develop and manage software projects, including test implementation of a large-scale project. Prerequisite: CSCI 161, CSCI 275, and CSCI 340 with a C or higher.

CSCI 331. Social Implications. 4 Hours.
An introduction to: The effects of computer technology (hardware and/or software) on society and individuals; ethical problems faced by computer professionals; human interaction and interfacing with computer technology. Prerequisite: CSCI 160 or CSCI 112, or instructor consent.

CSCI 335. Theoretical Computer Science. 4 Hours.
Models of computation, regular expressions, finite automata, Kleene's Theorem, lexical analysis, context-free grammars, pushdown automata, introduction to parsing. Prerequisites: CSCI 242, CSCI 275, and MATH 208, with a C or higher in all courses.

CSCI 340. Computer Networks I. 4 Hours.
Introduction to network design and management. Topics include the local area networks, wireless networks and communication systems, OSI and TCP/IP Models, signals and modulation, protocol designs such as Ethernet, Wi-Fi, Bluetooth, cellular networks, ad hoc networks, flow control, error handling, routing, interfaces, and applications. Prerequisites: CSCI 161, CSCI 275, and MATH 208, with a C or higher in all courses.

CSCI 356. Database Management I. 4 Hours.
Introduction to database management systems, database theory and schema design, and programming, including data modeling, set theory, relational calculus, functional and multivalued data dependencies, and normalization. Various database models are discussed including, relational, NoSQL, network, hierarchical, and inverted files, and database management and security. Prerequisites: CSCI 161 and MATH 208 with a C or higher in all courses or BIT 312 or instructor consent.

CSCI 360. Systems Programming. 4 Hours.
Programming using interrupts and operating systems services. Device driver implementation. Brief comparison of different hardware systems. Prerequisites: CSCI 242, CSCI 275, and MATH 208, with a C or higher in all courses.

CSCI 370. Computer Organization. 4 Hours.
The structure and organization of computer hardware. Register implementation and usage. Memory management. Comparison of architectures. Prerequisites: CSCI 161, CSCI 275, and MATH 208 with a C or higher in all courses.

CSCI 375. Computer and Digital Hardware II. 4 Hours.
Advanced applications of digital systems. Builds on the content of CSCI 275, emphasis on system designs. Prerequisite: CSCI 275.

CSCI 380. Malware Analysis. 4 Hours.
This course introduces students to concepts related to malware analysis and discusses several static analysis techniques. Students will be working with several tools which can function as static analyzers. Students would also understand Malware taxonomies and perform heap analysis to identify malware at run-time.

CSCI 390. Ethical Hacking. 4 Hours.
Development of the structured knowledge base needed to discover vulnerabilities and recommend solutions for tightening network security and protecting data from potential attackers. Focus is on penetration-testing tools and techniques to protect computer networks.

CSCI 391. Teaching Computer Science. 2 Hours.
Classroom management and equipment. Analysis of student difficulties, survey of current literature, observation, and practicum. Prerequisites: CSCI 160, Admission to Teacher Education.

CSCI 410. Defensive Network Security. 4 Hours.
This course explores the methodologies used in the development and deployment of firewalls, anomaly and signature-based detection systems and virtual honeypots. Secure software development techniques will be covered as will practical exercises in how to analyze and defend against network-based attacks.

CSCI 415. Vulnerability Analysis. 4 Hours.
This course introduces students to software vulnerability discovery and how to overcome identified issues from both a design and implementation perspective. Reverse engineering methodologies such as black, grey, and white box testing and techniques such as fuzzing will be covered. Historical vulnerabilities, corresponding exploits and techniques to minimize exposure and mitigate risk will be covered.
CSCI 420. Mobile and Wireless Security. 4 Hours.
This course explores concepts related to various generations of mobile networks such as 2G, 3G, 4G and discusses their security frameworks. Security models related to common mobile platforms such as iOS and Android would be explored. WPA standards in Wi-Fi along with security standards for various proprietary protocols implementing features such as VoIP would also be discussed.

CSCI 425. Applied Cryptography. 4 Hours.
This course investigates advanced topics in cryptography. It begins with an overview of the necessary background in algebra and number theory, private- and public-key cryptosystems, and basic signature schemes. The course will cover number theory and basic theory of Galois fields used in cryptography; the history of primality algorithms and the polynomial-time test of primality; discrete logarithm-based cryptosystems including those based on elliptic-curves; interactive protocols including the role of zero-knowledge proofs in authentication.

CSCI 440. Data Communications & Computer Security. 4 Hours.
Network administration and management of data protocols and models, basic configurations, software, hardware, and routing applications. Problems of computer security and possible solutions, internet security, secure operation system and kernels, with an emphasis on applications. Prerequisite: CSCI 340 with a C or higher.

CSCI 450. Operating Systems. 4 Hours.
Design and implementation of operating systems. Study of the control of and communication between interacting processes. Resource allocation and management in a multiprogramming environment. Prerequisites: CSCI 360 and CSCI 370 with a C or higher in both courses.

CSCI 452. Compiler & Interpreter Construction. 4 Hours.
Theory and practice of program translation. Lexical and syntactic analysis, error detection and response, optimization. Prerequisites: CSCI 335 with a C or better.

CSCI 456. Database Management II. 4 Hours.
Advanced database theory and applications. Students will be expected to have a solid foundation in normalization and database programming. Students will be expected to apply their knowledge of set theory, relational calculus and normalization to design and develop a large database project in a relational database system and create an application which uses the database in the programming language of their choice from a large data set. Prerequisite: CSCI 356 with a C or higher.

Introduction to computer and network security. Topics covered include the CIA triad model, symmetric and public-key encryption algorithms, hashing algorithms, and securing data storage, application and communications systems, firewalls, penetration testing, vulnerability assessments, reverse engineering, malware and ethics. Prerequisites: CSCI 340 and CSCI 370 with a C or higher in both courses.

CSCI 460. Capstone Project. 4 Hours.
The student chooses a research or software development project in consultation with the instructor. The student prepares a project proposal discussing the scope of the project and develops it to those specifications. On completion of the project the student is expected to present the results of their work and submit a final report. It is recommended that the project is focused on student's chosen field of study. Prerequisites: CSCI 242, CSCI 340, CSCI 356, and CSCI 370 with a C or higher in all courses.

CSCI 497. Internship. 1-8 Hour.
Supervised professional experience in computing applications. A maximum of four credits may be counted toward a major or minor. May be repeated up to a total of eight credits. Grading is pass/fail. Prerequisite: Departmental Approval.

CSD 150. Profession of Com Disorders. 2 Hours.
An introduction into the profession of Communication Disorders. Contents will describe the progression from the preprofessional student level to the expert-consultant level. Major topics will include development of interpersonal skills, professional skills, problem-solving skills, technical skills and knowledge/experience.

CSD 221. Language Analysis in CSD. 2 Hours.
To understand language disorders in children and adults, we must first understand the normal structure and processing of language. This class will introduce students to the structures of language, the processes of language comprehension and production, and the methods used to study these processes. This course is meant to prepare students for future study of language, language acquisition, and language disorders. It is recommended that students complete this course prior to enrolling in Language Development.

CSD 299. Special Topics In Comm Disorders. 1-8 Hour.

CSD 310. Introduction to Communication Disorders. 3 Hours.
This course provides an overview of human communication disorders across the lifespan. Eight hours of guided clinical observation are required.

CSD 320. Introduction to Phonetics. 3 Hours.
A study of the sounds of American English and the use of the International Phonetic Alphabet (IPA) to record normal and disordered articulatory production.

CSD 321. Language Development. 3 Hours.
The study of the processes by which children come to understand and acquire language during early childhood.

CSD 322. Speech Sound Disorders. 3 Hours.
This course covers the development, etiology, diagnosis, and intervention of speech sound disorders. Eight hours of guided clinical observation are required. Prerequisite: CSD 320 Introduction to Phonetics.
CSD 324. Techniques in Communication Disorders. 3 Hours.
This course covers the fundamental approaches and techniques used in planning and providing intervention for individuals with communication disorders. This course is a prerequisite for CD 411. Prerequisite: CD 322.

CSD 331. Language Disorders in Children. 3 Hours.
This class covers the characteristics, etiology, prevention, diagnoses, and intervention of language disorders in children including differentiation of language differences due to cultural-linguistic factors. Five hours of guided clinical observation are required. Prerequisite: CSD 321.

CSD 341. Speech & Hearing Science. 2 Hours.
This course covers the fundamentals of acoustics, speech production, speech perception, and basic instrumentation.

CSD 342. Introduction to Audiology. 4 Hours.
A study of the anatomy and physiology of the auditory system, its relationship to the differing types and degrees of hearing loss, and related pathologies. This course will cover prevention of hearing difficulties, as well as screening, assessment, and interpretation of test results.

CSD 394. Independent Study General Cd. 1-4 Hour.

CSD 408. Social and Pragmatic Communication Disorders. 3 Hours.
Social and pragmatic communication disorders are becoming more and more prevalent in the practice of speech-language pathology and audiology; especially as mental health issues are becoming more prevalent. This course will provide needed content in order for students and professionals to effectively assess and intervene for people with social and pragmatic communication disorders.

CSD 410. Audiology Practicum. 1 Hour.
This practicum course will provide the undergraduate student in Communication Sciences and Disorders, who has an interest in Audiology, the opportunity to participate in Audiology diagnostics in the CSD clinic. The student will initially observe the audiologic diagnostic/patient management protocols in the clinic and will gradually be required to participate in greater measure. The goal is for the student to acquire greater understanding of audiologic test administration, interpretation, and patient counseling. Pre-requisite: CSD 342.

CSD 411. Clinical Practicum. 3 Hours.
Supervised practicum in a clinical setting. Prerequisite: CSD 321, CSD 322, CSD 324, CSD 331. Restricted to CSD majors only.

CSD 412. Neurology for Communication Disorders. 2 Hours.
This course provides an overview of the role of neuroanatomy in speech and language. Attention is given to the structures of the brain and spinal cord, the ascending and descending pathways, cranial nerves, and the vascular supply to the brain. The role of these structures in the communication process is discussed.

CSD 413. Anatomy and Physiology for Communication Disorders. 3 Hours.
This course provides an overview of the anatomical and physiological bases of communication. Attention is given to the structures and functions of the respiratory, phonatory, resonatory, and articulatory systems.

CSD 420. Advanced Communication Disorders. 3 Hours.
This course will provide a general overview of issues related to medical speech language pathology. Five hours of guided clinical observations are required.

CSD 424. Language Development. 3 Hours.

CSD 426. Speech Language Development and Disorders for the Teacher. 4 Hours.
The study of speech language development and disorders of children. Inter-relationships among personal, social, academic, speech, and language skills are covered. Academic modifications and coordination with specialized personnel are emphasized. For non-majors.

CSD 427. Aural Rehabilitation. 3 Hours.
This course covers the philosophies and methodologies related to the habilitation and rehabilitation of individuals with hearing impairment.

CSD 494. Independent Study Honors Cd. 1-8 Hour.

CSD 499. Special Topics In Comm Disorders. 1-8 Hour.

DTS 200. Special Topics In Dts. 1-8 Hour.

DTS 225. Introduction To Safety Education. 1 Hour.
Promotes general safety with special emphasis on school bus safety, fire safety, and tornado safety.

DTS 230. Driver & Traffic Safety Education. 3 Hours.
Introduction to driver and traffic safety education. A review of various high school textbooks and other teaching tools.

DTS 250. Defensive Driving. 1 Hour.
Classroom course that is a part of the National Safety Council's Driver improvement program. Successful completion allows a three-point reduction on a licensee's driving record.

DTS 260. Teenage Driving Behavior Problems. 2 Hours.
Teaches prospective driver about the past problems concerning teenage traffic offenders. Assists driver educators in adjusting classroom presentations to address problems with beginning teenage drivers.

DTS 350. Advanced Driving. 3 Hours.
Advanced driving to improve skills, perception, decision making, and general driving ability.
DTS 390. Traffic Law. 3 Hours.

DTS 399. Independent Study General Dts. 1-4 Hour.

DTS 450. Organization & Administration of Safety Education. 2 Hours.
Basic concepts and development of the four-phase program: dual-controlled car, simulator, multiple car driving range, and classroom. Corequisite or Prerequisite: DTS 230.

DTS 452. Instruction in Range, Simulator and In-Car. 3 Hours.
Instruction in the use of electronic driving simulator, equipment, multiple car driving range, and dual-controlled car. Prerequisite: DTS 450.

DTS 454. Driver Education for the Disabled. 2 Hours.
Instruction in dual-controlled cars with special hand controls for teaching the handicapped. Prerequisite: DTS 450.

DTS 499. Independent Study Honors Dts. 1-8 Hour.

ECE 310. Introduction to Early Childhood Education. 3 Hours.
Study of early childhood learning theories, developmentally appropriate materials, classroom arrangement, observational techniques, and curriculum planning.

ECE 312. Methods: Arts Integration. 2 Hours.
This course explores and uses the fine and performing arts as primary pathways for learning in young children. Includes selecting materials, creating environments, and planning lessons and activities that integrate art, music, and movement across curriculum disciplines.

ECE 313. Language Development and Emerging Literacy. 3 Hours.
Coursework will center on how language is acquired, the functions of language and how language develops. The course will examine how ECE Professionals can best support the growth of children as language learners and users. Prerequisite/Corequisite: ECE 310 Intro to Early Childhood.

ECE 314. Mathematics & The Young Child. 2 Hours.
This course includes projects and activities that help ECE Professionals develop a conceptual understanding of teaching mathematics in a cooperative and constructionist environment where children view themselves as mathematicians. Emphasis is placed on the use of manipulatives, problem solving activities, and children's literature in the planning and organizing of developmentally appropriate classroom activities and lessons.

ECE 316. The Emergent Reader. 2 Hours.
This course explores a wide variety of developmentally appropriate instructional practices for teaching young learners multiple ways of communicating and experiencing language through books and media programs. Emphasis is placed on integrating reading, writing, speaking, and listening as forms of creative personal expression.

ECE 320. Infant/Toddler Development. 2 Hours.
This course explores the child's growth and development from birth to 36 months. It will give ECE Professionals a basis for understanding normal developmental needs of children and a means of meeting them in the childrent's home, childcare center, and community environments.

ECE 322. Leadership & Supervision in Early Childhood Education. 2 Hours.
This course explores effective organization of early childhood programs and looks at managing the day-to-day operations of a program. ECE Professionals examine leadership framework, unique leadership styles, how to apply the principles of leadership to create vision, become an agent of change, and model professional and ethical behavior. ECE Professionals examine supervision frameworks for effective recruitment, selection, and orientation practices. ECE Professionals study a comprehensive model for supervising staff, promoting ongoing professional development and creating a strengths-based team in nurturing positive teaching/learning environments.

ECE 333. Preschool Methods and Materials. 3 Hours.
Study of development of 4-5 year olds and procedures in preschool planning including teaching techniques and developmentally appropriate materials in preschool settings.

ECE 338. Home School Community Relations. 2 Hours.
This course explores home-school-community relations. The content includes history, parental involvement in schools, parent-teacher conferences, home visits, parent and community programs, and community resources for parents.

ECE 361. Observation and Assessment ECE. 3 Hours.
Students will learn about and actively engage in a variety of observational methods to assess the social, motor, and cognitive growth of young children.

ECE 362. Curriculum and Planning for Early Childhood. 2 Hours.
The development of curriculum for the public schools and strategies for the planning, delivery, and assessment of instruction with birth to third grade emphasis. Prerequisite: ECE 310 and ED 260.

ECE 364. Planning and Assessment for Early Childhood. 2 Hours.
The development of assessment processes and tools based on the reciprocal relationship between instruction and assessment, with a focus on data driven interventions and instruction with a birth to third grade emphasis. Prerequisite: Students must complete ECE 310 and ECE 362 before enrolling in this course.

ECE 430L. Pre-School Practicum. 1 Hour.
Students will work in a preschool setting, with direct application of those concepts learned in ECE coursework.
ECE 436. Kindergarten Methods and Materials. 3 Hours.
Exploration of curriculum, methods, and materials for use in kindergarten settings.

ECON 201. Principles of Microeconomics. 3 Hours.
Nature, method, and scope of economic analysis; economic scarcity, resources; specialization and trade; supply and demand; price and output determination in the product and resource markets; market structures; costs and profits, income discrimination, inequality, poverty; externalities and public goods.

ECON 202. Principles of Macroeconomics. 3 Hours.
Nature, method, and scope of economic analysis; supply and demand; aggregate income and employment analysis; business cycles, unemployment, inflation and economic growth; fiscal policy; money and monetary policy. (May be taken before Econ 201).

ECON 299. Special Topics. 1-8 Hour.
ECON 312. Intermediate Microeconomics. 3 Hours.
Analysis of consumer demand, principles of production, costs, pricing and output decisions under different market structures, market failure and related public policy.

ECON 314. Intermediate Macroeconomics. 3 Hours.
Analysis of national income, employment, inflation, interest rates, business cycles, as well as impact of monetary and fiscal policies on equilibrium and economic growth.

ECON 315. Labor Economics. 3 Hours.
Survey of labor-management relations that examines the policies and objectives of labor unions history and government, organizing, and bargaining, economics of the labor market and wage determination, government control and major laws that affect labor-management relations. Prerequisites: ECON 201 and 202.

ECON 318. Money and Banking. 3 Hours.
Nature and function of U.S. depository institutions (especially commercial banks, saving and loans, and credit unions); their regulation with particular emphasis on the Federal Reserve System's monetary policy and instruments of control and an introduction to monetary theory. Prerequisites: ECON 201 and 202.

ECON 320. Environ and Nat Resource Econ. 3 Hours.
This class engages students in standard economic theory through the lens of environmental issues such as global climate change and overpopulation. The approach of this class combines traditional microeconomic analysis with a detailed examination of macro-level ecological problems that require local, national, and global policy solutions. It discusses how to utilize natural resources efficiently and issues related to the usage of natural resources. Prerequisite(s): ECON 201.

ECON 394. Independent Study General Econ. 1-4 Hour.
ECON 410. Managerial Economics. 3 Hours.
Managerial Economics is an application of the part of Microeconomics that focuses on the topics that are of greatest interest and importance to managers. The purpose of this course is to help managers refine their problem-solving and decision-making skills through application of principles already learned in other Economics courses. Topics include problem solving and decision making for managers, demand and cost analysis, market structure, pricing decisions, strategic decision making, organizational design, and government regulations. Prerequisites: ECON 201.

ECON 414. International Economics. 3 Hours.
Study of the causes of international trade, classical and neoclassical models of international trade, the movement of money, goods, and factors of production over national boundaries, role of trade barriers and balance of payments. Prerequisites: ECON 201 and 202.

ECON 418. History of Economic Thought. 3 Hours.
Study of evolution of economic thought under different social and political backgrounds, like mercantilism, physiocracy, classical economies, historical school and Socialist doctrines. Prerequisites: ECON 201 or 202.

ECON 419. Economic Planning & Development. 3 Hours.
Study of basic techniques and methods in planning which facilitate various levels of economic development. The application of the planning strategies necessary to effect desirable economic development is also undertaken. Prerequisites: ECON 201 and 202.

ECON 421. International Energy Markets. 3 Hours.
This course introduces students to the International Energy Markets. It will examine energy industry market structure and how it relates to business decision making. The course will provide fundamental economic knowledge needed to implement decisions related to the energy industry. It will review supply and demand structures of the energy market as well as various energy forecasting methodologies. The course will use energy data analysis methodology as a tool for analyzing future energy requirements. Prerequisites: ECON 320 and 312.

ECON 494. Independent Study Honors Econ. 1-8 Hour.
ECON 499. Special Topics. 1-8 Hour.
ED 221. Diagnostic Teaching. 1 Hour.
This course provides an introduction to the concept and practice of diagnostic teaching and data driven instruction. Candidates will apply these principles and practices in a 30-hour tutoring experience.
ED 250. Foundations of Education. 2 Hours.
Study of the historical, philosophical, and sociological concepts that have impacted the development of American public schools. Includes an orientation to the teaching profession and a field experience.

ED 250H. Foundations of Education. 2-3 Hour.
Study of the historical, philosophical and sociological concepts that have impacted the development of American public schools. Includes an orientation to the teaching professional and a field experience Pre-requisite: acceptance into the Honors Program and must be of sophomore, junior or senior status.

ED 260. Educational Psychology. 2 Hours.
Emphasis on learning theory, effective teaching, classroom management and child development as applied to educational settings.

ED 260H. Educational Psychology. 2 Hours.
Emphasizes learning theory, effective teaching, classroom management and child development as applied to educational settings. Pre-requisite: Admitted to the Honor Program and of sophomore, junior or senior status.

ED 260L. Clinical I. 0 Hours.
The initial-level clinical within the teacher education program provides candidates with 10 hours of observations in schools related to their major and the content in educational psychology. Prerequisite or Corequisite: Students must be enrolled in or have completed ED 260 before enrolling in this course.

ED 282. Managing the Learning Environment. 2 Hours.
Strategies for successfully creating a positive learning environment in the classroom; strategies for dealing with the disruptive student, strategies for creating positive parental involvement in student learning.

ED 282L. Clinical II. 0.5 Hours.
This entry-level clinical provides candidates with 20 hours of experience in a variety of support programs and services in educational settings.

ED 284. Teaching Diverse Learners. 2 Hours.
Adapting teaching strategies to culture, ethnic, linguistic, developmental, and physical differences in the classroom. Collaborating with related professions in individualizing instruction.

ED 284L. Clinical III. 0.5 Hours.
This entry-level clinical experience provides candidates with 30 hours of engagement with professional organizations and service learning in projects related to education in schools and the community.

ED 299. Special Topics. 1-8 Hour.

ED 320. Curriculum, Planning & Assessment I. 2 Hours.
The development of curriculum for the public schools and strategies for the planning, delivery, and assessment of instruction. Prerequisite: ED 260.

ED 321L. Clinical IV. 0.5 Hours.
This mid-level clinical experience provides students in Teacher Education with an extended experience in school working on academic interventions with small groups of students.

ED 322. Data Driven Integrated Instruction. 2 Hours.
This course focuses on the development of data driven integrated instructional plans, following an MTSS model. Teacher candidates will focus on integrating research-based reading instruction, inclusive of all five components of reading, into all subject areas in P-12 classrooms.

ED 323L. Clinical V. 0.5 Hours.
This mid-level clinical experience provides students in Teacher Education with an extended experience in a school working on academic interventions with small groups of students and designing appropriate assessments.

ED 324L. Fall Experience. 0 Hours.
This mid-level clinical experience provides students in Teacher Education with an extended experience in the fall semester observing and assisting with beginning of the year room design, organization, and classroom management policies and procedures. This course is typically taken with a methods class or student teaching.

ED 350. Middle School Philosophy & Curriculum. 3 Hours.
Acquaints students with the philosophy of middle school education and current practices in middle school curriculum, instruction, and assessment. Prerequisites: ED 320.

ED 380. Technology in Teaching. 2 Hours.
Strategies for the instructional uses of technology including multimedia presentation, e-mail, internet, spreadsheets, databases, and emerging technologies.

ED 394. Independent Study In Education. 1-4 Hour.

ED 402. Content Area & Develop Reading. 3 Hours.
The study of teaching reading at elementary, middle school, and high school levels; ways of responding to literature and other written materials, content area reading for different purposes, application of strategies and study skills, and use of a variety of performance assessments. Prerequisite: Student must complete ED 320 before enrolling in this class.
ED 440. Remedial Reading. 2 Hours.
This course focuses on the five components of reading (phonemic awareness, decoding, vocabulary, fluency, and comprehension) as well as on the diagnosis of children with reading difficulties and appropriate interventions. Prerequisites: Admission to Teacher Education and ELED 352.

ED 441L. Clinical Practice in Remedial Reading. 2 Hours.
Supervised practice in a clinical remedial reading situation. Prerequisites: Admission to Teacher Education and ED 440.

ED 451. Middle School Teaching Strategies. 3 Hours.
Designed to develop the skills and teaching strategies to implement a middle school program. Stresses teaming, thematic curriculum development, advising, and working with parents. Prerequisites: Admission to Teacher Education and ED 320.

ED 480. Clinical Practicum in Education. 1-12 Hour.
This course is designed to give education majors an opportunity to have 60 hours of practical experience per credit hour. Placements in school settings are arranged by the Teacher Advisement and Field Placement office.

ED 482. Student Teaching Seminar: Elementary. 2 Hours.
This seminar will provide support to elementary candidates as they complete the final phase of their teacher education program. Topics relevant to student teaching will be discussed. Corequisite: Students must be enrolled in either ED 491, 492, 493, 494, or 495 at the same time as this course.

ED 483. Student Teaching Seminar: Secondary. 2 Hours.
This seminar will provide support to secondary candidates as they complete the final phase of their teacher education program. Topics relevant to student teaching will be explored including classroom management, diversity, technology, instructional strategies, assessment, and data driven instruction. Corequisite: Students must be enrolled in either ED 491, 492, 493, 494, or 495 at the same time as this course.

ED 484. Student Teaching Seminar: K12. 2 Hours.
This seminar will provide support to k-12 candidates as they complete the final phase of their teacher education program. Topics relevant to student teaching will be explored including classroom management, diversity, technology, instructional strategies, assessment, and data driven instruction. Corequisite: Students must be enrolled in either ED 491, 492, 493, 494, or 495 at the same time as this course.

ED 491. Student Teaching Kindergarten. 4-16 Hour.
Supervised teaching in kindergarten. Prerequisites: Recommendation by advisor, division/department chairperson, and TEAC; admission to Teacher Education; and completion of all other required education coursework.

ED 492. Student Teaching, Elementary. 4-16 Hour.
Supervised teaching in elementary schools. Prerequisites: Recommendation by advisor, division/department chairperson, and TEAC; admission to Teacher Education; and completion of all other required education coursework.

ED 493. Student Teaching, Secondary. 4-16 Hour.
Supervised teaching in secondary schools. Prerequisites: Recommendation by advisor, division/department chairperson, and TEAC; admission to Teacher Education; and completion of all other required education coursework.

ED 494. Student Teaching K-12. 4-16 Hour.
Supervised teaching in both elementary and secondary levels in restricted areas. Prerequisites: Recommendation by advisor, division/department chairperson, and TEAC; admission to Teacher Education; and completion of all other required education coursework.

ED 495. Student Teaching, Special Areas. 4-16 Hour.
Supervised teaching in special areas: mentally handicapped and education of the deaf. Recommendation by advisor, division/department chairperson, and TEAC; admission to Teacher Education; and completion of all other required education coursework.

ED 497. Mentored Clinical Practice. 5-16 Hour.
This course is designed to provide a one year mentored clinical internship for classroom teachers. Prerequisites include departmental approval and emergency licensure by the Educational Standards and Practices Board of North Dakota.

ED 499. Independent Study Honors Ed. 1-8 Hour.

ED 95. Interconnecting Perspectives in Education. 0 Hours.
This course provides an opportunity for students to reflect on the diverse perspectives of an educational experience relating to teaching and learning.

ELED 352. Foundations of Reading. 3 Hours.
Principles, techniques, and approaches for implementing a developmental reading program in the elementary school. Prerequisite: Admission to Teacher Education and ED 320 or BS in Early Childhood major or CD major.

ELED 421. Elementary Mathematics Methods. 3 Hours.
Practicum in teaching mathematics to children in cooperative learning groups through the use of manipulative materials, symbolic representations, and problem-solving approaches. Observation and participation in a planned teaching experience in a school setting will illustrate and support the learning processes. Prerequisites: Admission to Teacher Education, ED 320, MATH 277 and 377 or ECE 436. Corequisites: ELED 422, ELED 423, ELED 424, ELED 425 and SCI 426.

ELED 422. Elementary Language Arts Methods. 3 Hours.
Encompasses curriculum, theory, and methodology in elementary language arts. Observation and participation in a planned teaching experience in a school setting will illustrate and support the learning processes. Prerequisites: Admission to Teacher Education and ED 320, ELED 352. Corequisite: ELED 421, 423, 424, SCI 426. Course restricted to Elementary Education and Early Childhood Education majors.
ELED 423. Elementary Reading Methods. 3 Hours.
Principles, techniques, approaches, and materials for teaching reading in grades K through 8. Observation and participation in a planned teaching experience in a school setting will illustrate and support the learning processes. Prerequisites: Admission to Teacher Education and ED 320, ELED 352. Corequisite: ELED 421, 422, 423, 424, SCI 426. Course restricted to Elementary Education or Early Childhood Education majors.

ELED 424. Elementary Social Studies Methods. 3 Hours.
Curriculum, theory, and methodology in the teaching of elementary social studies. Observation and participation in a planned teaching experience in a school setting will illustrate and support the learning process. Prerequisites: Admission to Teacher Education and ED 320. Corequisite: ELED 421, 422, 423, 424 SCI 426. Course restricted to Elementary Education or Early Childhood Education majors.

ELED 425. Elementary Education Practicum. 0 Hours.
This practicum course accompanies the five methods classes in elementary education and reflects approximately 150 hours in the elementary classroom.

ENGL 110. College Composition I. 3 Hours.
Guided practice in college-level reading, writing, and critical thinking. Emphasis on writing processes, and on approaches to critical reading. Does not apply toward the English major. Prerequisite: Students must complete ASC 87 with a C or higher, have an ACT English test score of at least 18, an SAT Reading & Writing score of at least 480, an ACCUPLACER test score of at least 5, or a PLAN test score of at least 15.

ENGL 111H. Honors Composition I. 3 Hours.
The first course in the honors curriculum, ENGL 111 takes the place of ENGL 110 and, if the student continues in the Honors Program, COMM 110 is required of all Honors Students earning a BSE degree. The course is reading intensive and encourages intellectual independence. Admission to the Honors Program is not a prerequisite, but ACT scores of 25 in reading and writing are required. Does not apply to the English major.

ENGL 120. College Composition II. 3 Hours.
Advanced practice in college-level writing from sources and in applying rhetorical strategies. Emphasizes in rhetorical strategies and incorporating research in academic writing. Does not apply toward the English major. Prerequisite: ENGL 110.

ENGL 121H. Honors Composition II. 3 Hours.
The second course taken in the honors curriculum. Replaces ENGL120 in the general education program. Independent research and writing focuses in a rigorous study of literature. Prerequisites: ENGL 110 or 111H; admission to Honors Program or permission of the Honors Director. Does not apply toward the English major.

ENGL 191. English Community Seminar. 1 Hour.
This course is designed to be taken the spring following a student's declaration of an English or English Education major. The community seminar is an introduction to the English community at Minot State. Students will learn the many different areas of research within the field of English studies, become aware of club and academic opportunities within the department, and practice community building. Prerequisite: Students must be an English or an English Education major before enrolling in this course.

ENGL 209. Introduction to Linguistics. 3 Hours.
Entry level knowledge for the scientific study of language, including such topics as phonology, semantics, grammar, and related cultural history.

ENGL 211. Introduction to Creative Writing. 3 Hours.
Study and practice in writing techniques and strategies employed by writers in various genres, including fiction/creative nonfiction/poetry/teleplay/drama. Focus on developing skills in manipulating point of view, creating figurative language, writing realistic dialogue, developing themes and characters, and honing style to suit various audiences and genres. Read for craft by examining and analyzing the work of successful writers in various genres.

ENGL 220. Introduction to Literature. 3 Hours.
Reading and discussion of literary forms such as the short story, the novel, poetry, and drama, with emphasis on common literary terminology. Does not count toward the English major/minor.

ENGL 227. Survey of Creative Nonfiction. 3 Hours.
This introductory survey course provides exposure to reading and analyzing a variety of creative nonfiction including reportage, criticism and commentary, memoir, and the personal essay to explore how the genre can be both honest and creative. Students will examine the use of voice, subjectivity, emotion, speculation, memory, humor, imagination, and the complicated idea of truth in nonfiction literature in its various forms, and discuss how nonfiction is conceived and constructed.

ENGL 231. Bible as Literature. 3 Hours.
Study of the Bible from a literary point of view.

ENGL 232. World Mythology. 3 Hours.
The study of representative myths, legends, and folklore from various cultures with emphasis upon the literary aspects of myth.

ENGL 238. Children's Literature. 3 Hours.
Introductory study of picture books and poetry; folk tales, fairy tales, myth, and legend; modern fiction, both realistic and imaginary, historical fiction, and biographical and informational books for children.
ENGL 240. World Literature. 3 Hours.
Study of diverse and significant literary texts in a variety of genres from antiquity to the present from a wide variety of cultures and nationalities in terms of their aesthetic quality, cultural values, and historical periods.

ENGL 251. Foundations in Brit Lit I. 3 Hours.
A survey of British literature from the Anglo-Saxon period through the 18th century. Prerequisite: ENGL 110.

ENGL 252. Foundations in Brit Lit II. 3 Hours.
A continuing survey of British literature from the Romantic period to the present. Prerequisite: ENGL 110.

ENGL 261. Foundations in Am Lit I. 3 Hours.
A survey of American literature from the pre-Colombian aboriginal literature through the mid-nineteenth century. Prerequisite: ENGL 110.

ENGL 262. Foundations in Am Lit II. 3 Hours.
A survey of American literature from the mid-nineteenth century to the present. Prerequisite: ENGL 110.

ENGL 265. Native American Literature. 3 Hours.
The study of Native American Indian legends, poems, and stories with emphasis on contemporary writings.

ENGL 270. Introduction to Literary Criticism. 3 Hours.
The study of methods and assumptions of literary criticism, the reasons for and values of literary studies, and the formal academic discourse employed in English. Course serves as an introduction to the English major. Prerequisite: ENGL 110.

ENGL 299. Special Topics. 1-8 Hour.

ENGL 305. Advanced Grammar. 3 Hours.
Introduction to the basic units of grammar and an overview of fundamental grammatic concepts germane to teaching and learning present day English, with further application to languages far and wide. Units discussed include nouns, verbs, adjectives, prepositions, the syntactic positioning of subjects, objects, and complements, as well as nominal and verbal phrases, case and number for nouns, tense and modality for verbs, grade and comparison for adjectives. Beyond these elements of grammar and positioning, the course introduces philosophies of language. How did language come to be so structured in the first place, and what does that structure tell us about the human mind? How does an awareness of structure help us understand the world around us in a clearer way? In short, moving from pragmatic to philosophic considerations of language, English 305 encourages discussions about the nature of the human mind, of cognition, of learning, and ultimately, of creation itself. 3 credits.

ENGL 315. Profes and Tech Writing. 3 Hours.
Concentrated instruction and practice in technical and job-related expository writing.

ENGL 317. Teaching Writing. 3 Hours.
Study of methods of teaching writing with emphasis on contemporary theories. Prerequisite: ENGL 120.

ENGL 318. Writing Tutor Training. 1 Hour.
The course covers practices and theories for tutoring writers. Content includes the composing process, diagnosing problems, establishing rapport, managing research and helping with second language needs. Prerequisite: ENGL 120.

ENGL 318L. Supervised Writing Tutoring. 0 Hours.
Supervised tutoring experience in the Writing Center (20 hours). Prerequisites: Student must complete ENGL 110 and 120 with a grade of C or better. Prerequisite or Corequisite: be enrolled or have completed ENGL 318 before enrolling in this class.

ENGL 321. Topics in Creative Writing. 3 Hours.
This themed, team-taught creative writing course allows students further practice across genres of creative writing before entering advanced, genre-specific workshop courses. Themes and topics will change yearly to inspire students to explore new writing styles within the discipline and also gain exposure to diverse voices in poetry, fiction, and creative nonfiction.

ENGL 322. Am Dialects in Lit and Media. 3 Hours.
Examines American regional dialects (e.g. African American English, Chicano English, Appalachian English) and how those dialects are represented in literature and media. Students will explore the history, development, and linguistic features of various dialects, then they will read literature and watch films that make use of those dialects. Students will evaluate the effects of authentic and stereotypical representations of dialects on audience with an eye to exploring how these representations reflect attitudes towards dialects in America.

ENGL 324. Rhetoric of Everyday Life. 3 Hours.
This course is an introduction to modern rhetorical theory and the application of mid to late twentieth-century theories in analyzing, exploring, and interpreting our everyday experiences. In this course, students will continue the ongoing conversations of how we are influenced by the persuasive messages (written and performed) surrounding us in our cultures through rhetorical theories and how our personal histories influence the messages we receive.

ENGL 329. Coming of Age Literature. 3 Hours.
Students will discuss films and novels in which the main characters grow up. The texts' themes may include, but are not limited to, acculturation, appearance and reality, crime and punishment, death ecology, education, emotional and physical change, friendship, gender roles, human sexuality, individuals and institutions, individuals and society, love, race and ethnic relations, search for meaning, and spirituality. Students will select some of the texts through class vote.
ENGL 334. Film Directors. 3 Hours.
According to the auteur theory, some directors are the dominant creators of their films. In the seminar we'll read selected materials about several major directors, view several films by each director, and identify and discuss the recurrent patterns, techniques, and meanings that are the directors' individual signatures.

ENGL 335. Film Genres. 3 Hours.
Films are commonly classified into broad categories, or genres, including action, war, western, comedy, science fiction, mystery/suspense, horror, drama, and family. In this seminar we'll discuss aesthetic conventions, content, cultural contexts, and socio-historical significance of films in three genres. We'll view nine or ten major films in total and we'll read selected materials.

ENGL 338. Topics in Adolescent Lit. 3 Hours.
Literature written for teenagers (ages fourteen through eighteen) is uniquely positioned because it addresses the emotional and social issues and fears unique to adolescence. In this course, students will read a variety of literature written for teens and through this literature, explore topics such as race, family, technology, and coming of age. Specific topics will vary each time the course is offered, but students will explore how writers attempt to address the concerns and problems of adolescents in an increasingly complex society.

ENGL 355. Age of Shakespeare. 3 Hours.
Study of representative works of Shakespeare. Prerequisite: ENGL 110.

ENGL 356. Media English. 3 Hours.
Methods for incorporating the production, editing, and publishing of computer-based media into the English classroom are developed by using computer graphics, video recorders, Google docs, pods, blogs, social networks, and other net tools.

ENGL 367. Media Literacy. 3 Hours.
In order to address the increasingly visual and digital demands of our culture and the citizen it produces, this course will explicitly deal with the dissemination of information and culture via different forms of popular media. Based on the idea that everything produced by our culture is readable text, students will read and produce both traditional and non-traditional texts in a variety of media. Students will also explore how different media changes, how we process information and the impact they have on important concepts such as identity, self, culture, community, authority, and argument.

ENGL 373. World Drama. 3 Hours.
Study of diverse and significant dramatic texts from antiquity to the present from a wide variety of cultures and nationalities in terms of their aesthetic quality, cultural values, and historical periods.

ENGL 383. Topics in Black American Literature. 3 Hours.
This course includes both fiction and non-fiction with readings from oral traditions and slavery to that of the nineteenth and twentieth centuries. Topics may focus on slavery, legal cases, migrations, language (dialect to rap) or other topics. We will explore the relationships between Black Americans and hegemonic groups, and the impact of African-Americans/Blacks upon the people and cultures of America.

ENGL 390. Secondary Language Arts Methods. 4 Hours.
Theory and practice in teaching literature, composition, and language in the secondary school. Includes practicum. Prerequisite: Admission to Teacher Education.

ENGL 391L. Junior Research Lab. 1 Hour.
This course is designed to be completed the spring semester prior to Senior Seminar (ENGL 491). In this research seminar, students will begin the research process for their senior seminar paper, select a second reader within the English department, and craft a research proposal and annotated bibliography pertaining to their research paper for Senior Seminar. Prerequisite: Students must be an English or an English Education major before enrolling in this course.

ENGL 397. Internship. 1-6 Hour.
Hands-on experience in the discipline. Placement determined at time of internship. May be repeated as desired. Prerequisite: Restricted to students who are English or English Education majors.

ENGL 399. Special Topics. 3 Hours.

ENGL 400. Studies in British Literature. 3 Hours.
Advanced study in themes, authors, genres within British Literature. Faculty teaching the course will provide sub-title descriptors for registration and transcription.

ENGL 401. Studies in American Literature. 3 Hours.
Advanced studies in various themes, authors, genres of American Literature.

ENGL 402. Studies in Literature and Culture. 3 Hours.
Advanced study in various themes, authors, genres in Literature and culture, to include World Literature.

ENGL 410. Fiction Workshop. 3 Hours.
Concentrated instruction and practice in writing fiction.

ENGL 411. Poetry Workshop. 3 Hours.
Concentrated instruction and practice in writing poetry.

ENGL 412. Creative Nonfiction Workshop. 3 Hours.
Concentrated instruction and practice in writing creative nonfiction.
ENGL 430. Advanced Seminar in Literature. 3 Hours.
Intensive exploration of selected literary texts and topics. May include literary and nonliterary cultural texts and genres, historical periods, oral and written forms, dramatic texts, the roles of audience, gender, class, nationalism and/or other social relations. May be repeated for credit as content changes. The seminar method will be used as the organizational norm for the class. In this method, students can expect to lead class discussions and openly critique the work of others in the class. Prerequisite: Students must complete ENGL 110 and ENGL 120 before enrolling in this course.

ENGL 435. Major Writers. 3 Hours.
Intensive study of selected literary works by major authors. Authors and selections will vary from semester to semester. Prerequisites: ENGL 120 and one 300-level English course or consent of instructor. May be repeated for credit as content changes.

ENGL 470. Advanced Seminar in Literary Criticism. 3 Hours.
Intensive exploration of one school (or related schools) of modern literary theory. Focus will be on primary works of criticism, not literature. May repeat for credit as content changes. Prerequisite: ENGL 270.

ENGL 491. Senior Seminar. 3 Hours.
In-depth study of literary issues. Serves as capstone course for English degree. Prerequisites: ENGL 120, 191, 391, and senior status. Course restricted to majors.

ENGL 494. Independent Study Honors Eng. 1-8 Hour.

ENGL 496. Study Abroad. 1-6 Hour.
MSU faculty-led study trips to appropriate locations. Will include additional requirements beyond travel itself. May be repeated for credit. Does not count toward English major/minor/BSE.

ENGL 497. Internship. 4-12 Hour.
Hands-on experience in the discipline. Placement determined at time of internship. May be repeated as desired. Prerequisite: Restricted to students who are English or English Education majors or have the consent of the instructor.

ENGL 499. Special Topics. 1-8 Hour.

ESR 206. Medical Conditions. 3 Hours.
The purpose of this course is to provide students with the knowledge and skills to recognize and treat common medical conditions.

ESR 226. Methods of Teaching Group Exercise. 2 Hours.
Provides instruction, practice, and teaching experience in group exercise. Fundamental terminology, skills, and teaching techniques teaching a variety of group exercise formats will be emphasized. Students will practice developing training programs tailored to fit ability, fitness level, and desired outcomes of their future students and clients. Prerequisites: KIN 120 and 126.

ESR 227. Strength and Conditioning Programming Principles and Methods. 2 Hours.
The Strength and Conditioning Programming Principles and Methods is designed to provide safe programming principles and teaching methods to exercise professionals.

ESR 303. Therapeutic Exercise I. 3 Hours.
The purpose of this course is to provide a background in pediatric and adolescent examination, assessment, rehabilitation, healing, and physics. The course will discuss techniques of therapeutic exercise, performance enhancement, and application to regions and conditions of the body. Prerequisite: KIN 431.

ESR 304. Therapeutic Exercise. 3 Hours.
The purpose of this course is to provide a background in rehabilitation, healing, physics, examination, and assessment. The course will discuss techniques of therapeutic exercise, performance enhancement, and application to regions and conditions of the body. Prerequisite(s): KIN 431.

ESR 305. Therapeutic Exercise III. 3 Hours.
The purpose of this course is to provide a background in rehabilitation, healing, physics, examination, and assessment. The course will discuss techniques of therapeutic exercise, performance enhancement, and application to regions and conditions of the body.

ESR 306. Health Risk Appraisal. 2 Hours.
The Health Risk Appraisal course provides information on risk stratification or classification of various health conditions.

ESR 307. Head, Neck, & Spine Evaluation. 3 Hours.
The purpose of this course is to provide students with the knowledge and skills to perform evaluation of head, neck and spine injuries or conditions. Student's will be able to perform an observation, take a history, palpate, perform MMT, perform a neurological evaluation, evaluate ROM, perform special and functional tests for the head, neck, and spine. Prerequisite(s): ATR 207, KIN 431, and BIOL 220.

ESR 308. Biomechanics. 2 Hours.
The purpose of this course is to introduce students to biomechanics. Course topics include terminology, the quantitative and qualitative perspective of biomechanics. The study of biomechanics in this class will involve the study of the body's architecture with the body's abilities to function in motion. Prerequisite(s): ATR 207, KIN 431, and BIOL 220.

ESR 316. Graded Exercise Testing and Prescription. 2 Hours.
The Graded Exercise Testing and Prescription is to provide students with the skills and knowledge to evaluate exercise capacity and provide exercise prescription based on the evaluation outcomes.
ESR 317. Graded Exercise Testing Lab. 1 Hour.
The Graded Exercise Testing and Prescription is to provide students with the skills and knowledge to evaluate exercise capacity in a laboratory setting.

ESR 323. Basic EKG for Exercise Science. 2 Hours.
The Basic EKG for Exercise Science Course will provide information on the characteristics and basic analysis of EKG tracings.

ESR 342. Exercise Programming for Older Adults. 2 Hours.
The Exercise Programming for Older Adults is to provide students with the skills and knowledge necessary to address orthopedic and physiological changes that occur in the maturing adult.

ESR 414. Pathomechanics. 2 Hours.
This course introduces students to pathomechanics, changes in normal biomechanical function of a joint, extremity or torso as a result of injury or disease. Students will gain a basic understanding of pathomechanics pertaining to the human musculoskeletal system and explore assessment and implications of pathomechanics as a basis for interventions when applicable.

ESR 425. Exercise Science and Rehabilitation Capstone. 1 Hour.
This course is designed to prepare students for a certification exam.

ESR 498. Internship. 1-20 Hour.
This course will provide hands-on experiences in the fields of Exercise Science and Rehabilitation. 140 to 1200 hours of practicum experience at two to four sites in a metabolic disease, chronic disease, recreation, wellness, fitness center, clinical, or athletic performance setting. Students must take at least two credits at a time, with 85 hours of clinical experience required per credit. Restricted to junior or senior and Exercise Science and Rehabilitation majors.

FIN 251. Personal Finance. 3 Hours.
Introduces the consumer to money management and the development of long and short term personal financial planning. Topics include budgeting, consumer credit, saving and investing, insurance planning, retirement and estate planning, real estate investment, and shelter planning. An excellent course for beginning students and nonbusiness majors.

FIN 299. Special Topics in Finance. 2-3 Hour.

FIN 353. Principles of Financial Management. 3 Hours.
Introduces the student to the essentials of financial management. Coverage includes financial analysis, working capital management, capital budgeting, cost of capital, dividend policy, and long-term financing decisions. Prerequisites: ACCT 201 and MATH 210.

FIN 355. Investments. 3 Hours.
Introduces the student to the principles of investment. Topics to be covered include: description of the investment environment and investment decisions; introduction to investment, security and portfolio theories; financial statement analysis; the implications of the Efficient Market Hypothesis for active and passive portfolio management; and analysis, valuation and management of equities, fixed income securities, indices and indexed funds, and derivative securities. Prerequisites: FIN 353 and ECON 201 and 202.

FIN 357. Advanced Corporate Finance. 3 Hours.
An advanced course which examines issues related to financing the corporation including capital structure, valuation of various forms of debt and equity financing, capital budgeting decisions, dividend policy decisions, financial analysis, forecasting and managing risk with financial instruments. Prerequisite: FIN 353.

FIN 360. Entrepreneurial Finance. 3 Hours.
Introduces the student to the theories, knowledge, and financial tools needed by the entrepreneur in starting, building, and harvesting a successful venture. Topics include financing a new venture, managing profit and cash flow, financing the growth of the firm, alternative financing methods, creation of value, valuation methods, financial distress, and harvesting a successful venture. A primary focus is on the financial aspect of the business plan. Prerequisite: FIN 353.

FIN 443. Real Estate Finance. 3 Hours.
Introduces the students to the basic principles of real estate, real estate law, and real estate finance. Topics include the ownership and transfer of real estate property, legal instruments, analysis of real estate markets, real estate appraisals, legal aspects of real estate, and financing residential, commercial, and income property. Prerequisites: FIN 353 and ACCT 315.

FIN 451. Insurance & Risk Management. 3 Hours.
Examines the nature of risk and risk management from a social, individual, business, and organizational perspective. Explores the available risk management tools and alternatives including insurance. Prerequisites: FIN 353 and ACCT 315.

FIN 454. Portfolio Theory. 3 Hours.
Studies advanced concepts relating to investment to include financial statement analysis, stock market efficiency and anomalies, derivative securities, valuation of debt, equity securities and modern portfolio theory. Prerequisite: FIN 355.

FIN 455. Financial Institutions & Markets. 3 Hours.
Focuses on the management of depository and non-depository financial institutions and the use of the money and capital markets in financial management strategy. Institutional emphasis includes banks, S & L’s, credit unions, investment companies, real estate investment trusts, finance companies, insurance companies, and pension funds. Prerequisite: FIN 353.
FIN 457. International Corporate Finance. 3 Hours.
Examines financial management implications of exchange risk exposure, accounting conventions, international constraint on capital flows, international investment management, foreign taxation, and working capital management of international firms. Prerequisite: FIN 353.

FIN 458. Financial Analysis and Valuation. 3 Hours.
Provides a framework for using financial statement data in a variety of business analysis and valuation contexts used by management, security analysts, bankers, and business consultants. The student will be taught the concepts and tools to analyze financial statements and cash flows in order to evaluate the effectiveness of a company's strategy and to make sound financial decisions. Prerequisite: FIN 357 and senior status.

FIN 499. Special Topics. 1-16 Hour.
Topics are variable. Offerings include visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

FREN 101. Beginning French I. 3 Hours.
For beginners or those entering with one or two years of high school French. Introduction to listening, speaking, reading, writing, and culture.

FREN 102. Beginning French II. 3 Hours.
A continuation of Beginning French I. Prerequisite: FREN 101.

FREN 194. Independent Study. 1-3 Hour.
Independent or directed study of special topics in the study of French. Pre-requisite: French or French Education major or minor.

FREN 201. Intermediate French I. 3 Hours.
Review of basic French with increased practice in conversation, reading, and writing. Prerequisite: FREN 102, three years of high school French or consent of instructor.

FREN 202. Intermediate French II. 3 Hours.
Continuation of FREN 201. Prerequisite: FREN 201.

FREN 220. French Film. 3 Hours.
An exploration of socio-cultural, historical, and political issues in French film. Supplementary readings on modern French art and literature in English translation. Taught in English.

FREN 230. Sound Structure of French. 3 Hours.
This course will address the sound system of French. It will begin with a thorough introduction and overview of articulatory phonetics, highlighting the striking differences in sound systems between standard Parisian French and American English. The course will then pivot towards phonetic isoglosses which differentiate French dialects across the Francophone world, with particular emphasis on Québécois French and West African French. Finally, the course will end with a discussion of how sound systems are represented in the brain, using French data to contrast an ordered rule approach with an optimality theoretic approach. Prerequisite: FREN 202.

FREN 296. Study Tour. 1-3 Hour.
MSU faculty-led study trips to appropriate locations. Will include additional requirements beyond travel itself. May be repeated for credit. Does not count towards the French or French Education major or minor.

FREN 299. Special Topics. 1-8 Hour.
Varying areas of content, issues, or themes in the study of French language, literature, culture, and civilization. Repeatable for credit as topics change.

FREN 304. Introduction to French Literature. 3 Hours.
Designed to improve language skills with an emphasis on reading and to enhance the student's ability to understand literature. Includes study of poetry, drama, and narrative from the French-speaking world. Prerequisite: FREN 202 or consent of instructor.

FREN 340. Conversation & Composition I. 3 Hours.
The first of a year-long sequence focusing on advanced practice in oral and written skills using cultural readings and other media. Prerequisite: Student must complete FREN 202 before enrolling in this class.

FREN 341. Conversation & Composition II. 3 Hours.
The second of a year-long sequence focusing on advanced practice in oral and written skills using cultural readings and other media. Prerequisite: Students must take FREN 202 or consent of instructor before enrolling in this class.

FREN 343. Contemporary Culture of the French-Speaking World. 3 Hours.
Readings in culture and society from the French-speaking world.

FREN 394. Independent Study. 1-8 Hour.
Independent or directed study of special topics in the study of French. Pre-requisite: French or French Education major or minor.

FREN 395. Service Learning. 3 Hours.
Student will utilize reflection and research (both primary and secondary) to integrate (a) personal community or global service experience(s). Prerequisite: French or French Education major or minor.

FREN 399. Special Topics. 1-8 Hour.
Varying areas of content, issues, or themes in the study of French.
FREN 403. Senior Thesis In French. 3 Hours.

FREN 494. Directed Research in French. 1-4 Hour.
This course provides flexible instruction in the study of French language, literature, history, and culture at an advanced level. Consent of instructor. Variable credit 1-4.

FREN 496. Study Tour. 1-18 Hour.
MSU faculty-led study trips to appropriate locations. Will include additional requirements beyond travel itself. May be repeated for credit. May count towards the French minor.

GEOG 110. Introduction to Geography. 3 Hours.
Study of geography in a modern context and its synthesizing role in relation to both physical and social sciences. Major emphasis is on the relationships between people and their environment, spatial interactions, and regional structures.

GEOG 161. World Regional Geography. 3 Hours.
A survey of the world's geographic regions. Focus on the location of Earth's major physical features, human populations, cultures, and their interaction.

GEOG 261. Countries and Cultures. 3 Hours.
The course presents countries of the world through the experiences of MSU faculty native to these countries. The principal objectives are: 1) to illustrate the immense diversity of world countries and cultures, 2) to facilitate the students' understanding and appreciation of the world cultures, 3) to motivate students to learn more about other countries and cultures, 4) to help students to become citizens of the world, 5) to increase marketability of MSU students on the global job market.

GEOG 262. North America. 3 Hours.
A thematic and regional approach to the geography of North America that stresses human patterns and relationships with the physical environment.

GEOG 263. North Dakota. 3 Hours.
Study of the interrelationship that exists between North Dakota's physical and cultural environments. Specific topics include physiography, climate, flora, prehistoric occupation, historic development, demography, and economic structures.

GEOG 264. Geography of Africa. 3 Hours.
Study of the natural regions of Africa with emphasis on the climate, physical and human resources, trade, culture, and their effects upon world affairs.

GEOG 265. Geography of Asia. 3 Hours.
A regional study of Asia with special emphasis on Central, South, East, and Southeast Asia. A study of the natural and cultural regions with emphasis on the climate, physical and human resources, trade, culture, and their effects upon world affairs.

GEOG 266. Latin America and the Caribbean. 3 Hours.
A general overview of an extremely diverse region that is the product of both physical and cultural factors which have interacted over time to produce a unique landscape.

GEOG 267. Geography of Europe. 3 Hours.
A study of Europe's environmental and cultural geography with emphasis on its environmental regions, current Supranational union, and nationalistic divisions.

GEOG 268. Geography of the Middle East. 3 Hours.
An investigation of the natural, political, and historical regions of Southwestern Asia, the Levant, and the Saudi Peninsula. International political linkages, economic implications of oil, environmental opportunities and limitations, and cultural landscapes are emphasized.

GEOG 269. Introduction to GIS. 3 Hours.
Introduces students to theory and techniques of geographic information systems (GIS), which includes the discovery, management, analysis, and display of spatial data. GIS is a valuable tool in disciplines that deal with spatial data, including geography, history, field or environmental sciences, epidemiology, economics, and business. This course is equivalent to GEOL 220. Lecture 2 hours; laboratory, 2 hours.

GEOG 299. Special Topics. 1-8 Hour.

GEOG 329. Projects in GIS. 3 Hours.
This course is designed to advance student knowledge in the rapidly changing field of Geographic Information Science and Systems (GIS). Projects in GIS provides an in-depth understanding of GIS applications, the industry, and geographic and GIS concepts. Using a hands-on approach, students use specialized GIS software to complete projects which may focus on GIS applications in business, marketing, local government, urban planning, environmental management, resource planning, hazards, federal government, logistics, and other fields.

GEOG 330. Geography of Weather & Climate. 3 Hours.
The major aspects of meteorology which involves the study of weather conditions will be addressed. Climatology will be treated as the scientific study of the Earth's climates. The dynamics of global climate change will be discussed in detail.

GEOG 340. Human Geography. 3 Hours.
Human Geography: The world will be viewed as a complex interaction between political, economic, social, and cultural systems, illustrative of the changes that occur on the landscape over time.
GEOG 360. Perception of the Environment. 3 Hours.
This seminar will examine attitudes and perceptions people hold of their environment and how landscapes become symbolic in cultural identity. Perceptions of a variety of environments will be studied including plains, mountains, deserts, lakes, rivers, forests, deltas, rural towns, farmscapes, and urban settings. The thematic emphasis will be on how perceptions of landscapes are important to environmental ethics, community identity, and land management.

GEOG 370. Geography of World Tourism. 3 Hours.
A systematic description and analysis of the world's major tourism destination regions including coastal zones, alpine areas, interior lakes, and waterways, cities, and cultural attractions. Geographic and economic factors affecting the development of tourism regions are considered. Pre-Req: GEOG 110 and GEOG 161.

GEOG 380. Cultural Geography. 3 Hours.
As a sub-field within human geography, the seminar will address the human imprint on the physical landscape. The study will focus sharply on describing and analyzing the ways language, religion, economy, government and other cultural phenomena interact in space creating place; basically, how humankind functions spatially.

GEOG 394. Independent Study General Geog. 1-4 Hour.

GEOG 420. Environmental Hazards. 3 Hours.
Natural and technological events continue to impact people and places across the globe. This course draws upon hazard and disaster experiences to introduce the nature, impact, and societal responses to environmental hazards. Focus is placed on the relationship between nature, society, and technology as we discuss how people and places experience, and cope with, environmental hazards and disasters.

GEOG 494. Independent Study Honors Geog. 1-8 Hour.

GEOL 100. Earth Science with Lab. 4 Hours.
A lecture and laboratory course which surveys topics in geology, oceanography, meteorology, and astronomy.

GEOL 105. Physical Geology with lab. 4 Hours.
Earth as a physical body, its structure, composition, and the geologic processes acting on and within the earth. Designed especially for students with a specific interest in geology and for those students contemplating a major in sciences. Field trips. Lecture, 3 hours; laboratory, 2 hours. Prerequisite: GEOL 105.

GEOL 106. Historical Geology with lab. 4 Hours.
Earth through time, its origin, history, and the history and evolution of animal and plant life. Laboratory study of fossils, sedimentary rocks, and stratigraphic problems. Field trips. Lecture, 3 hours; laboratory, 2 hours. Prerequisite: GEOL 105.

GEOL 123. Global Climate Change: Science and Society. 4 Hours.
The changing climate will be the biggest, most complex, and most expensive problem that humans have ever had to face. There is no environment on the planet that is immune from the influences of the changing climate. This course will examine the interrelationships between the atmosphere, surficial geology, the ocean, biological systems, and how the energy received, shared, and moved between these systems can lead to global changes, and how these will affect humans from a broad array of socio-economic, geographic, and ethnic backgrounds. Topic covered include the Earth's energy budget, atmospheric-ocean coupling, the carbon cycle, how complex forcings and feedbacks can affect the climate system, climate change in deep time, and renewable energy technologies. Lecture, 3 hours; laboratory, 2 hours.

GEOL 190. Introductory Geology in the Field. 2 Hours.
This course merges outdoor experiences with an introductory study of geology in the field. Course involves a mandatory week-long field trip; destinations depend on the geology to be emphasized. Students are introduced to the geology to be seen on the trip, and to how to plan and prepare for the outdoor activities (camping and hiking) that the trip will involve.

GEOL 260. Energy Resources. 3 Hours.
A survey of energy resources including fossil fuels, renewable, nuclear and unconventional sources. Includes origins, extraction, geography (major reserves, producers, and consumers), uses, and environmental implications. Field trips. Lecture, 2 hours; laboratory, 2 hours. Prerequisite: GEOL 105.

GEOL 290. Regional Geology. 3 Hours.
A study of the geology of a particular region in the United States or abroad. Class time involves introduction to the geology and preparation for a field trip to the region. Field trip is typically 10-14 days long and involves hiking and camping. Special fees required. May be repeated for credit. Lecture, 2 hours; field trip required. Prerequisite: GEOL 101 or GEOL 105 or consent of instructor.
GEOL 299. Special Topics. 1-8 Hour.

GEOL 300. Geologic Field Methods. 3 Hours.
Geologic mapping and sampling techniques. Students use basic mapping instruments, gather data and record it while in the field, and construct complete and accurate geologic maps, cross sections, and stratigraphic columns. Field trip(s) required. Lecture, 1 hour; laboratory, 4 hours. Prerequisites: GEOL 106, or consent of instructor.

GEOL 307. Mineralogy. 4 Hours.
Physical, chemical, structural, and optical properties of minerals; description and identification of common rock-forming and ore minerals; chemical analysis of minerals; mineral associations and introduction to description and classification of common rock types. Lecture, 2 hours; laboratory, 4 hours. Prerequisite: GEOL 105.

GEOL 310. Igneous & Metamorphic Petrology. 4 Hours.
Description and classification of igneous and metamorphic rocks based on mineralogy, textures, and chemical compositions; study of the origins of rocks through laboratory investigation of suites of related rocks. Lecture, 2 hours; laboratory, 4 hours. Prerequisite: GEOL 307.

GEOL 311. Paleontology. 4 Hours.
Fossilization, classification, evolution, and paleoecology. Geologic history and identification of major invertebrate phyla. Laboratory emphasizes fossils identification. Offered alternate falls. Field trip. Lecture, 2 hours; laboratory, 4 hours. Prerequisites: GEOL 106 or BIOL 151.

GEOL 320. Oceanography. 3 Hours.
Nature, origin, and evolution of ocean basins and sea water. Sea water chemistry, movement, and ability to support life. Life forms. Lecture, 2 hours; laboratory, 2 hours. Prerequisite: GEOL 105.

GEOL 321. Hydrogeology. 3 Hours.
Surface water hydrology; runoff and stream flow; groundwater hydrogeology; distribution of groundwater, aquifer properties, local and regional groundwater flow, geology of groundwater occurrence; groundwater resource development and management; water law. Lecture, 2 hours; laboratory, 3 hours. Prerequisite: GEOL 105.

GEOL 322. Geomorphology. 4 Hours.
Processes that shape Earth's surface. Effects of rock type, geologic structures, and climate on the formation and evolution of landforms. Lecture, 3 hours; laboratory, 3 hours. Prerequisite: GEOL 106.

GEOL 323. Global Climate Change. 3 Hours.
Examination of physical, chemical and biological processes that cause environments to change naturally or under the influence of human activities. Consideration of small watersheds, large lake systems and global atmospheric-ocean systems including meteorological processes. Emphasis on positive and negative feedback in controlling environments and their susceptibility to change. Prerequisite: GEOL 101 or GEOL 105 or GEOL 108.

GEOL 331. Soils. 4 Hours.
Principles of soils including formation, properties, and classification. This course includes the use of soils information in environmental applications. Lecture, 3 hours; laboratory, 3 hours. Prerequisite: GEOL 106.

GEOL 340. Chemistry of Natural Waters. 4 Hours.
Principles of aqueous chemistry, interactions between water and geologic materials, and the chemical nature of various natural waters; includes both fresh and saline waters found in both surface water environments (streams, lakes, oceans) and subsurface environments (vadose zone and saturated zones). Lecture, 3 hours; laboratory, 2 hours. Prerequisite: GEOL 106. Prerequisite or Co-requisite: CHEM 121.

GEOL 361. Structural Geology. 4 Hours.
Stress, strain, mechanical behavior of rocks; description and interpretation of folds, faults, joints, and foliation; tectonic processes; interpretation of geologic maps and field data. Lecture, 2 hours; laboratory, 4 hours. Prerequisite: GEOL 106.

GEOL 390. Regional Field Geology. 3 Hours.
Application of geologic field methods to a particular area or areas. Field work focuses on rock unit descriptions, stratigraphic section measurement, and geologic mapping in areas of moderately complex geology. One hour of lecture per week is used to prepare for field work. The field work requires a 15-day trip. Prerequisite: GEOL 300.

GEOL 394. Independent Study General Es. 1-4 Hour.

GEOL 411. Field Geology. 6 Hours.
The methods of geology, including the preparation of stratigraphic columns, cross sections and geologic maps integrated with paleoenvironmental interpretation and structural history. Students must write professional level reports. Offered in summer. Prerequisites: GEOL 361, GEOL 471, and consent of instructor.

GEOL 421. Applied Hydrogeology. 3 Hours.
Mass transport in vadose and saturated zones; origin and behavior of inorganic and organic contaminants; investigative techniques; groundwater models; site remediation. Lecture, 2 hours; laboratory, 3 hours. Prerequisite: GEOL 321.

GEOL 471. Sedimentation and Stratigraphy. 4 Hours.
Origins, characteristics, and classification of sedimentary rocks. Techniques of study, interpretation of data, lithostratigraphy, biostratigraphy, chronostratigraphy, and correlation. Field trip required. Lecture, 3 hours; laboratory, 2 hours. Prerequisite: GEOL 106.
GEOL 494. Directed Research in Geology. 1-2 Hour.
Students conduct research under direction of a faculty mentor. The topic and goals are agreed to by student and mentor in writing at the beginning of the research. A requirement for successful completion of a second credit of GEOL 494 on a project is that the student will submit an acceptable draft of a research paper that includes introduction/background, methods, and results. Repeatable for credit.

GEOL 497. Co-Op Practicum. 4-8 Hour.

GEOL 499. Special Topics. 1-8 Hour.

GERM 101. Beginning German I. 3 Hours.
For beginners or those entering with one or two years of high school German. Introduction to listening, speaking, reading, writing, and culture.

GERM 102. Beginning German II. 3 Hours.
A continuation of Beginning German I. Prerequisite: GERM 101.

GERM 194. Independent Study. 1-3 Hour.
Independent or directed study of special topics in the study of German. Pre-requisites: German or German Education major or minor.

GERM 201. Intermediate German I. 3 Hours.
Review of basic German with increased practice in conversation and reading. Prerequisite: GERM 102, three years of high school German, or consent of instructor.

GERM 202. Intermediate German II. 3 Hours.
Continuation of GERM 201. Prerequisite: GERM 201.

GERM 220. German Film. 3 Hours.
An exploration of socio-cultural, historical and political issues in non-mainstream German film. Supplementary readings on modern German art and literature in English translation. Includes a cross-cultural unit on censorship in the arts during the cold war. Taught in English.

GERM 230. Sound Structure of German. 3 Hours.
This course will address the sound system of High German. It will begin with a thorough introduction and overview of articulatory phonetics, highlighting the striking differences in sound systems between standard German and American English. The course will then pivot towards phonetic isoglosses which differentiate German dialects, with particular emphasis on Swiss German. The course will also touch on German “dialects” spoken in North America, particularly Texas German and Pennsylvania Dutch. Finally, the course will end with a discussion of how sound systems are represented in the brain, using German data to contrast an ordered rule approach with an optimality theoretic approach. Prerequisite: GERM 202.

GERM 296. Study Tour. 1-3 Hour.
MSU faculty-led study trips to appropriate locations. Will include additional requirements beyond travel itself. May be repeated for credit. Does not count towards the German or German Education major or minor.

GERM 299. Special Topics. 1-8 Hour.

GERM 340. Conversation & Composition I. 3 Hours.
This is one of a pair of courses focusing on advanced practice in oral and written skills using cultural reading and other media. Prerequisite: Student must complete GERM 202 or have the consent of the instructor before enrolling in this class.

GERM 341. Conversation & Composition II. 3 Hours.
This is one of a pair of courses focusing on advanced practice in oral skills using cultural readings and other media. Prerequisite: Student must complete GERM 202 or have the consent of the instructor before enrolling in this class.

GERM 343. German Culture. 3 Hours.
Readings in culture and society from the German-speaking world.

GERM 394. Independent Study. 1-4 Hour.
Independent or directed study of special topics in the study of German.

GERM 395. Service Learning. 3 Hours.
Students will utilize reflection and research (both primary and secondary) to integrate (a) personal community or global service experience(s). Prerequisite: German or German Education major or minor.

GERM 399. Special Topics. 1-3 Hour.
Varying areas of content, issues, or themes in the study of German. Pre-requisite: German or German Education major or minor.

GERM 421. Advanced Topics In German. 3 Hours.

GERM 423. Senior Thesis In German. 3 Hours.

GERM 450. Senior Capstone Project In German. 3 Hours.
Individual research project on a cultural approved by the instructor on semester prior to enrollment in the course. Course restricted to majors.

GERM 496. Study Tour. 1-18 Hour.
MSU faculty-led study trips to appropriate locations. Will include additional requirements beyond travel itself. May be repeated for credit. May count towards the German or German Education major or minor.
GERM 499. Special Topics. 1-4 Hour.
Topics will vary from year to year depending on student backgrounds and needs.

GS 225. Intro to Gender/Women's Studies. 3 Hours.
This course provides a general introduction to the wide array of historical, social, economic, and philosophical topics usually included within the boundaries of gender studies, and the methods used to analyze society and culture. Considers the differences between sex and gender by examining the relationships among nature, and masculinity, students will examine the patriarchal structure, feminism, non-hetero-normative sexualities, sexism, and various categories of generated existence. An interdisciplinary collection of texts from literature and theory, social sciences, psychology, pop culture, and film will be utilized.

GS 294. Independent Study. 1-3 Hour.
Directed topics of study.

GS 299. Special Topics in Gender/Women's Studies. 1-6 Hour.

GS 397. Internship: Medieval Fem Forum. 1-3 Hour.
Hands-on experience assisting with the production, editing, and distribution of an international feminist scholarly journal. Admission by application only. May repeat for credit.

GS 494. Independent Study. 1-3 Hour.
Directed topics of study.

GS 499. Special Topics in Gender/Women's Studies. 1-6 Hour.

HIST 103. US History to 1877. 3 Hours.
Survey of U.S. history from Colonial period to the end of Reconstruction. (General Education History Survey).

HIST 104. US History from 1877. 3 Hours.
Survey of U.S. history from the end of Reconstruction to present. (General Education History Survey).

HIST 105. World Civilizations I. 3 Hours.
A thematic and comparative survey of world history from the rise of agriculture through the Age of Exploration. (General Education History Survey).

HIST 106. World Civilizations II. 3 Hours.
A thematic and comparative survey of world history from the Age of Exploration through the modern period. (General Education History Survey).

HIST 215H. Modern World Origins. 3 Hours.
A seminar in the origins of the modern world. Class time will emphasize student discussion of assigned relevant historical sources, both primary and secondary. In addition, there will be extensive and varied writing assignments. Honors Program admission of 3.30 cumulative GPA and permission of the instructor is required. (General Education History Survey).

HIST 220. North Dakota History. 3 Hours.
This course surveys the history of North Dakota, amid its broader geographic region, from prehistoric times to the present. Course topics examine the environmental, social, economic, cultural, and political development of the state and its people. US.

HIST 231. History of Latin America. 3 Hours.
Survey of the countries below the Rio Grande from pre-Columbian times to the present. Special attention to continuity of Native American culture, colonial legacies, identity, gender roles, revolutions, relations with the U.S., and land and income distribution. NW.

HIST 240. History of Africa. 3 Hours.
Africa has a wide variety of cultures and peoples. In this survey, we will study civilizations in as different areas as the Egyptian Nile, the Malian savanna, the Congolian rainforest, and East Coast Swahili traders. Topics include ancient Egypt, Islam, European colonialism and its consequences, apartheid, women, and kinship. NW.

HIST 243. Medieval Europe. 3 Hours.
This course surveys Western, Central, and Eastern Europe from the break-up of the Western Roman Empire in the fifth century through the Renaissance in the fifteenth century. It examines both the history of and popular ideas about the European Middle Ages, including discussion of such topics as knights and violence, race and antisemitism, women's social and political roles, and political and religious conflict. EU.

HIST 251. Introduction to Public History. 3 Hours.
The purpose of this course is to introduce students to public history, which is often simply defined as the practice of history outside of the classroom, produced for a non-academic audience. This simple definition belies complicated fundamental issues, such as what role the public audience does and should play in the determination of what issues are of historical concern, and how they should be handled. Starting with consideration of what public history is, and what are its purposes and basic questions, the class will then work on developing some of the basic skills that public historians need. Students will speak with and, in some cases, shadow current professionals in the field. They will be introduced to sources of historical information available in the local community and organizations of value to public historians. Ultimately, students will utilize the ideas and skills that they develop during the semester as they undertake a local historical research project that will culminate in a public presentation.

HIST 261. American Indian History. 3 Hours.
A survey of American Indian history from pre-contact to the present, providing an overview of major trends and developments. US.
HIST 280. Practice and Method. 3 Hours.
This colloquium introduces students to the tools, research, and writing methods, resources and theoretical approaches required in upper level history courses. It includes a semester-long student-initiated research project that will allow students to refine their skills. The course also features discussion of reading that illustrate a wide variety of historical approaches and methods. To be taken upon declaring a major in history or social science.

HIST 299. Special Topics in History. 1-8 Hour.
These are flexible courses that may be taught depending on student needs. The design of the course is to present the student an opportunity to concentrate on various topics. Prerequisites may apply. (Depending on topic, course may be categorized as a NW, EU, or US).

HIST 301. Junior Colloquium. 3 Hours.
Advanced study in historiography and methods of historical research and writing in preparation for the History senior capstone seminar.

HIST 306. Islam and the Muslim World. 3 Hours.
This course introduces students to the history and culture of the wider Muslim world. In this course we will study three aspects of Islam and the Muslim World: Islam as a religion, the 1,400 year history of Muslim civilization in all its diversity, and Islam today. NW.

HIST 315. History of American Women. 3 Hours.
The experience of women in American history, with emphasis upon the continual change in women's roles and differences brought about by region, ethnicity, and economic class. Prerequisites: any general education history survey or consent of instructor. US.

HIST 319. Colonial America. 3 Hours.
Traces the development of the colonies from the time of European exploration and early English colonization to the confrontations between Britain and America in the 1760s and 1770s. Prerequisite: any general education history survey or consent of instructor. US.

HIST 320. The Early Republic. 3 Hours.
Study of the social, intellectual, political, and diplomatic forces, issues, and personalities in America's formative (1781-1824) years. Prerequisite: any general education history survey or consent of instructor. US.

HIST 325. Sectionalism and the Civil War. 3 Hours.
Traces the rise of sectionalism as a force on antebellum America leading to the Civil War. Prerequisite: any general education history survey or consent of instructor. US.

HIST 327. History of Vietnam. 3 Hours.
This course surveys the history of Vietnam from its formation to the late twentieth century. Topics covered include Vietnam's cultural and historical origins, its place in South-East Asia, colonization under the French, the experience of WWII, the French and American wars in Vietnam, and Vietnam since the 1970's NW.

HIST 328. The Transformation of America. 3 Hours.
Study of industrialization, urbanization, and immigration in America from 1865 to 1901, focusing on the social, political, and international consequences of and reaction to economic change. Prerequisite: any general education history survey or consent of instructor. US.

HIST 330. Roman Republic and Empire. 3 Hours.
This course explores in detail the history of Rome from the foundation of the city in the ninth century B.C.E. through the fall of the western part of the Roman Empire in 476 C.E. Topics discussed include Roman Republican institutions, imperial expansion, the creation of the Roman Empire, the foundation and development of Christianity, and the lasting influence of Rome on European politics and culture. Prerequisite: any general education history survey or consent of instructor. EU.

HIST 331. The Age of the Vikings. 3 Hours.
This course looks not only at the "Viking Age" circa 780-1070 CE but also at the origins of the Vikings and their cultural contexts and legacies. It discusses Scandinavian society from late antiquity through the Middle Ages, exploring social structure, gender ideas and relations, religion and mythology, technology, politics and war, literature, and art. This course details Viking raids, expansion, and integration throughout Europe and examines modern literature and media to discover what "Viking" came to mean long after the Viking Age ended. Prerequisite: any general education history survey or consent of instructor. EU.

HIST 336. African American History. 3 Hours.
The experience of African Americans in American society from 1619 to the present, including the West African cultural context, cultural retentions and changes in the American environment, and the emergence of cohesive African American culture. The course pays special attention to the ideas, contributions, and changing roles of African Americans within American society, economy, culture, and politics. Prerequisite: any general education history survey or consent of instructor. US.

HIST 337. Imperialism in Asia. 3 Hours.
Models of western imperialism will be contrasted with those developed by Japan and China to develop a comparative study of political, cultural, and social developments in Japan, Indochina, China and other Asian countries. Recent trends and relationships with the West will be emphasized. Prerequisite: any general education history survey or consent of instructor. US.

HIST 338. The Transformation of America: Islam as a religion, the 1,400 year history of Muslim civilization in all its diversity, and Islam today. NW.

HIST 341. Roman Republic and Empire. 3 Hours.
This course explores in detail the history of Rome from the foundation of the city in the ninth century B.C.E. through the fall of the western part of the Roman Empire in 476 C.E. Topics discussed include Roman Republican institutions, imperial expansion, the creation of the Roman Empire, the foundation and development of Christianity, and the lasting influence of Rome on European politics and culture. Prerequisite: any general education history survey or consent of instructor. EU.

HIST 342. The Age of the Vikings. 3 Hours.
This course looks not only at the "Viking Age" circa 780-1070 CE but also at the origins of the Vikings and their cultural contexts and legacies. It discusses Scandinavian society from late antiquity through the Middle Ages, exploring social structure, gender ideas and relations, religion and mythology, technology, politics and war, literature, and art. This course details Viking raids, expansion, and integration throughout Europe and examines modern literature and media to discover what "Viking" came to mean long after the Viking Age ended. Prerequisite: any general education history survey or consent of instructor. EU.

HIST 343. Medieval Europe. 3 Hours.
This course examines the history of Europe from the break-up of the Western Roman Empire in the fifth century through the Renaissance in the fifteenth. It examines both the history of and popular ideas about the European Middle Ages, including discussion of such topics as feudalism, knights and violence, race and antisemitism, women's social and political roles, and political and religious conflict. EU.
HIST 346. Early Modern Europe. 3 Hours.
European history from the sixteenth through the eighteenth centuries. Topics include the Protestant and Catholic Reformations, the "Scientific Revolution," absolutism and mercantilism, and the Enlightenment. EU.

HIST 347. The Making of Modern Europe. 3 Hours.
A thematic study of Europe during the age of the industrial and social revolution, 1815-1919. This course compares major social and cultural trends across a variety of European nations. Prerequisite: any general education history course or consent of instructor. EU.

HIST 350. Europe in 20th Century. 3 Hours.
A detailed consideration of the main political, intellectual, social, and economic trends of 20th century Europe. Prerequisite: any general education history course or consent of instructor. EU.

HIST 351. The Mediterranean World. 3 Hours.
This course explores the development and interactions of the many Bronze Age and Iron Age civilizations and peoples of Africa, Asia, and Europe who were connected by the Mediterranean Sea. Those studied include the Egyptians, Minoans, Mycenaean, Assyrians, Hebrews, Phoenicians, Persians, Greeks, and Romans. Prerequisite: any general education history survey or consent of instructor. NW.

HIST 352. Medieval & Early Modern Women. 3 Hours.
This course examines the lives of European women from the beginning of the Middle Ages through the early seventeenth century. It explores the use of gender as a category for historical interpretation as it investigates women’s (and men’s) identities, agency, and power in the household, the court, the Church, and the marketplace. While this course does examine the lives of famous women, it primarily seeks to reveal the lives, thoughts, feelings, and experiences of all European women over the course of eleven centuries. Prerequisite: any general education history survey or consent of instructor. EU.

HIST 353. Great Plains Indian History. 3 Hours.
Study of the culture and history of the Indian peoples of the Great Plains. Prerequisite: any general education history survey or consent of instructor. US.

HIST 354. Explorers and Encounters. 3 Hours.
This course is about early modern explorers and the lands and peoples they encountered. The course reflects on explorations and encounters by European explorers as they marveled and interpreted the peoples and lands they met. The class encompasses the Atlantic, Indian Ocean, and the Pacific and changes over time from the late 15th through the 18th centuries, as attitudes changed and perceptions of the other modified. Prerequisite: any general education history survey or consent of instructor. NW.

HIST 355. Peoples & Cultures of Native North America. 3 Hours.
The course surveys the major culture areas of North America prior to contact with Europeans. In each region particular attention is given to one group or nation to highlight cultural adaptations and development. Prerequisite: any general education history survey or consent of instructor. US.

HIST 356. History of Mexico. 3 Hours.
We will study Mexico from early civilizations to the present, stressing continuity over time. Topics include Olmecs, Aztec, and Maya civilizations, arrival of the Spanish, church, women in colonial society, formation of national identity, the Mexican revolution, the institutionalized revolution, and Mexico beyond NAFTA. Prerequisite: any general education history survey or consent of instructor. NW.

HIST 357. History of Brazil. 3 Hours.
Brazil is more than carnival alone, but that is a fundamental aspect of the largest South American society. In this course, we will examine Brazilian history and society from a wide variety of angles. The country is very diverse: from the Amazon rainforest where native peoples still live in isolation, to the Sao Paulo metropolitan area that can compete with any Western country as to modernity and industrial development. Brazil is a country full of contrasts: optimistic but sad, dancing sambas but violent. In the course we will examine Brazil's past and how this contributed to the country's present social, economic, political, and cultural situation. Prerequisite: any general education history survey or consent of instructor. NW.

HIST 358. Experimental Course in History. 3 Hours.
This experimental course may be taught as needed by the department to allow testing and assessment of content and methodology that may become part of the department's permanent course listings. Prerequisites: any general education history survey or consent of instructor. Depending on topic, course may be categorized as NW, EU, or US.

HIST 359. Independent Study General Hist. 1-4 Hour.
Depending on topic, course may be categorized as NW, EU, or US. Must have instructor consent.

HIST 360. Readings in History. 1-3 Hour.
Study and discussion of readings in history. Specific topic will be arranged with the instructor. Prerequisite: consent of instructor. Depending on topic, course may be categorized as a NW, EU, or US.

HIST 361. Historiography. 3 Hours.
A course to consider both the philosophy or theory of history as well as the mechanics of "doing" history. Prerequisites: any general education history survey or consent of instructor.

HIST 362. Trans-Mississippi West. 3 Hours.
An in-depth seminar looking at the impact of this region on the development and growth of America. Prerequisites: any general education history survey or consent of instructor. US.

HIST 363. 20th Century America. 3 Hours.
A seminar focusing on a particular theme or time period of 20th century American history. A specific focus will be selected each time the course is offered. Prerequisites: any general education history survey or consent of instructor. US.
HIST 430. Native American Social History. 3 Hours.
Seminar examining the different social experiences of Native peoples in North America. Topics include, among others, historical demography, gender, intercultural relations with the U.S. Prerequisites: any general education history survey or consent of instructor. US.

HIST 434. History and Multimedia. 1-3 Hour.
This course is designed to teach students to transform the content of a traditional seminar paper into a variety of multimedia formats. It introduces students to current digital tools, explores design issues and organizational strategies, and considers how to design presentations for varied audiences such as museums, children and schools, internet users, portable device users, and senior populations. No technical background is required, although students will need to have completed a 300 or 400 level history research paper to use as the raw material for this course, or they must co-enroll in a 300 or 400 level history class that requires such a paper.

HIST 436. Piracy, Smuggling, and Corruption. 3 Hours.
In this course students will study morals and values in their colonial Latin American contexts, how they are construed and how historians and contemporaries have interpreted them. We will do this by examining the most controversial peoples in these societies, from prostitutes to pirates, from slaves to men and women of ill repute. This promises to be a voyage of discovery of the other and of the self. Prerequisites: any general education history survey or consent of instructor. NW.

HIST 440. Comparative Slavery in the Americas. 3 Hours.
North and South America have different experiences with slavery. In this seminar we will compare and contrast the African impact on both continents, especially in Brazil and the United States. Some topics that we will study are the slave trades, runaway slave societies, the Haitian revolution, African religions, race relations, gender roles, families, and the meanings of freedom. Prerequisites: any general education history survey or consent of instructor. NW or US.

HIST 441. The Early Middle Ages. 3 Hours.
This seminar focuses on Late Antiquity and the Early Middle Ages, the period from the late fourth through the late tenth centuries C.E. during which the Western Roman Empire was replaced by the individual kingdoms and principalities of medieval Europe. Participants will research the history and historiography of this period, which includes the "barbarian invasions" of Rome and the fall of the Western Roman Empire, the rise of the Roman Church, the transition from Classical to medieval philosophy, the establishment of the Carolingian and Holy Roman Empires, and the foundation of medieval European political, social, and economic systems. Prerequisite: any general education history survey or consent of instructor. EU.

HIST 442. The Crusades. 3 Hours.
This seminar explores the period of the Crusades from its inception in the late eleventh century through its demise in the later Middle Ages. It looks at the development of the religion of Islam and of Muslim political states, the wars of the Crusades, the creation of the Crusader States, and conflict and cooperation among Christians, Jews, and Muslims in Asia and North Africa. Prerequisite: any general education history survey or consent of instructor. NW.

HIST 460. Modern France and Francophone Society. 3 Hours.
An in-depth seminar on the major themes of modern French history from 1750 to the present. Prerequisites: any general education history survey or consent of instructor. EU.

HIST 491. History Seminar. 3 Hours.
An advanced seminar in history with a major paper requirement. Prerequisite: any general education history survey or consent of instructor. Depending on topic, course may be categorized as NW, EU, or US.

HIST 494H. Independent Study Honors Hist. 1-8 Hour.
Depending on topic, course may be categorized as a NW, EU, or US. Prerequisite: consent of instructor.

HIST 497. Internship. 1-6 Hour.
Placement in applied public history setting for practical experience. Prerequisite: HIST 280 and consent of instructor. Repeatable for credit.

HIST 499. Special Topics in History. 1-8 Hour.
This is a flexible course that may be taught depending on student needs. The design of the course is to present the student an opportunity to concentrate on various topics. Prerequisites may apply. Depending on topic, course may be categorized as a NW, EU, or US.

HIST 95. Intercultural Experience. 0 Hours.
History 095 creates and/or facilitates intercultural and/or interpersonal experiential opportunities for students. Students will participate in an experience that requires thoughtful and demonstrated engagement.

HIST 97. History/Social Science Portfolio. 0 Hours.
Students should register for this course in the semester they intend to submit their portfolio for their History BA, History BSEd, or Social Science BSEd degree.

HMS 151. Stress Management. 2 Hours.
Focuses on utilizing concepts related to stress and stress management strategies to achieve holistic high-level wellness.

HMS 203. Health Care Through the Life Span. 3 Hours.
Provides an overview of promotion of health and prevention of illness throughout the life span.

HMS 208. Medical Terminology. 2 Hours.
Comprehensive examination of prefixes, stems, and suffixes as well as emphasis on pronunciation, spelling, and definitions of words used by health professionals including key pathology, diagnostic and treatment procedures terms.
HMS 213. Life Span Growth & Development. 3 Hours.
Focuses on human growth and development throughout the life span. Prerequisite or Corequisite: PSY 111. Classroom Study = 45 hrs.

HMS 215. Principles of Pharmacology. 3 Hours.
Provides a survey of all major drug groups as they apply to providing safe, therapeutic client care.

HMS 240. Nutrition. 3 Hours.
Nutrition and application to human dietary needs of people at different ages.

HMS 243. Pathophysiology. 3 Hours.
Provide fundamental knowledge of the structural and functional changes caused by disease and alterations in body function. Emphasis is placed on understanding changes and responses that produce signs and symptoms in common health problems. Prerequisites: Student must complete BIOL 220 and 221 before enrolling in this class.

HMS 279. Death & Dying. 3 Hours.
Provides a holistic approach to end-of-life issues, including death, dying, and bereavement.

HMS 299. Special Topics Health Mgmt Sci. 1-8 Hour.

HMS 333. Transcultural Health Care. 3 Hours.
Present framework for health care providers to learn concepts and characteristics of diverse populations to provide culturally competent care for individuals, families, and communities.

HMS 379. Health & Physiological Aspects of Aging. 3 Hours.
Examines concepts of health, physiological changes, and health related practices of older adults.

HMS 394. Independent Study General HMS. 1-4 Hour.

HMS 460. Quality & Risk Management in Health Care. 3 Hours.
Examines the fundamentals of a health care quality and risk management program, including risk identification, loss prevention, loss reduction, claims management process, risk financing, legal-ethical factors, and clinical risk exposures. Provides experience in quality and risk management practices that are unique to the health care settings. Prerequisite: Restricted to students with senior standing or have consent of instructor.

HMS 463. Issues Health Care Regs & Prac. 3 Hours.
Examines a variety of agencies that oversee and regulate healthcare in the United States. Focuses on a variety of professional standards and laws that affect quality of care, delivery, and managerial decision making. Prerequisite: Restricted to students with Senior status.

HMS 494. Independent Study Honors HMS. 1-8 Hour.

HMS 499. Special Topics Health Mgmt Sci. 1-8 Hour.

HON 191H. The Honors Community. 1 Hour.
This course introduces students to the MSU honors program. Informal conversations with MSU faculty, administrators, honors students, staff, and community leaders will familiarize students with the university, the community, the honors approach to learning. Students also investigate or discover new or existing passions through student-created learning experiences (SCLE), created in consultation with the instructor. Students present, evaluate, and reflect on their learning and experiences related to the SCLE. Prerequisite: Student must be admitted to the honors program before enrolling in this course.

HON 199H. Honors Special Topics. 1-4 Hour.
An Honors-level exploration of a special topic area determined by participating department. Content will vary.

HON 250H. Foundations of Leadership. 3 Hours.
HON 250H is designed to introduce students to basic components of leadership theory, concepts, and development. Students will engage in activities, assignments, and discussions that will enhance their leadership skills and community involvement.

HON 251H. Culinary Arts & Entertaining. 1 Hour.
A hands-on cuisine from a particular geographical region of the world. Readings on historical, social, economic, and artistic aspects of the relevant culture that pertain to the culinary arts. Applied lessons in menu planning, table setting, and food preparation/presentation. Additional course fee covers food costs. Prerequisite: Student must be admitted into the Honors Program before enrolling in this class.

HON 252H. Visionaries of the Past. 2 Hours.
A thematically organized survey of "Great Works" by noted authors and artists. Literature, art, theatre, film, and music will be included. These works have demonstrated enduring relevance, significant historical or social impact, and/or recognized aesthetic value. Broad themes in any given semester might include, for example, utopia/dystopia, human justice, social conflict, etc. Prerequisite(s): Honors Program admission or permission of instructor.

HON 264H. Thinking Outside the Box. 3 Hours.
A seminar that emphasizes the practice of intellectual inquiry, innovative pedagogies, and/or interdisciplinary connections. The class will rotate between academic colleges and departments. Prerequisite(s): Honors Program Admission or 3.30 cumulative GPA and permission of instructor.
HON 299H. Special Topics. 1-8 Hour.

HON 351H. Integrity & The Examed Life. 3 Hours.
This seminar addresses the two themes of moral integrity and Socrates' claim that only the examined life is truly worth living. The focus is on great works, both written and visual (movies), and the students are challenged to develop their own views on a number of substantive matters. Prerequisite: Students must be admitted to the Honors program or have a cumulative GPA of 3.30 and instructor consent before enrolling in this course.

HON 391H. Community Problem-Solving. 3 Hours.
A seminar in civic engagement. Students will work with a community leader or community agency to identify, understand, and formulate solutions to complex, real-life community challenges. Emphasis on political empowerment, collaborative work with diverse constituencies, research, data analysis, and problem-solving. Prerequisite: Student must be admitted into the Honors Program before enrolling in this class.

HON 395H. Citizenship and Service. 3 Hours.
An interdisciplinary exploration of community-building, social justice, and human liberation that engages students directly in meaningful community service. Study of history, theory, and the local/global realities of community-building; reflection upon characteristics of a just society, individual responsibility, and potential leadership roles. Prerequisite: Student must be admitted to the honors program or have a cumulative GPA of 3.30 and instructor consent before enrolling in this course.

HON 399H. Honors Special Topics. 1-4 Hour.
An Honors-level exploration of special topic area, determined by participating department. Content will vary.

HON 450H. Honors Thesis/Project Proposal. 1 Hour.
The honors thesis/project is the Honors Program's capstone experience. It allows students to explore academic areas of their most passionate interests and engage in the process of discovery and scholarship. In this course, students get a head-start on their thesis/project. They use this time to 1) explore potential thesis/project topics; 2) identify an advisor; 3) review relevant research literature; and 4) develop a comprehensive proposal. Prerequisite: Student must be admitted into the Honors Program before enrolling in this class.

HON 451H. Honors Thesis/Project. 1-3 Hour.
The honors thesis/project is the Honors Program's capstone experience. It allows students to explore academic areas of their most passionate interests and engage in the process of discovery and scholarship under the direction of the Honors Director and faculty advisor. An honors thesis/project can be written in any discipline and may take a variety of formats—from a traditional scholarly paper to a design portfolio; from a business plan to a performance; from a service project to a scientific research project - but always includes a written component, a public presentation, and a defense before a faculty committee. Students will work with the Honors Director to determine the appropriate number of credits needed to complete the requirements of the course. Prerequisites: Student must complete HON 450H and have instructor consent before enrolling.

HON 491H. Honors Program Capstone. 1 Hour.
The Honors Program capstone course offers students an opportunity to create a portfolio that integrates their honors coursework in order to demonstrate how they have applied program concepts and achieved student learning outcomes. The portfolio will be displayed at an exhibition at the end of the semester and students will also give a public presentation highlighting the learning outcomes and scholarly progress achieved through their participation in honors program courses.

HON 494H. Honors Independent Study. 1-8 Hour.
HON 499. Special Topics. 1-8 Hour.
HUM 194. Independent Study. 1-3 Hour.
Independent or directed study of special topics in the study of humanities.

HUM 210. Research Strategies. 2 Hours.
Both practical and theoretical in scope, this class is designed to help students become full participants in our Information Society. This class uses a mixture of lecture, in-class discussion, hands on assignments, and written research project to give the student the technical skills and critical thinking abilities they need to use the printed and electronic information resources found in libraries and on the Internet.

HUM 251. Humanities. 3 Hours.
We study the art, literature, and music of the ancient world from the Stone Ages through the Greeks and the Romans up to the Early Middle Ages. Get to know the cultures of the classical past!

HUM 252. Humanities. 3 Hours.
We study the art, literature, and music of the Western World, from the High Middle Ages (Gothic Period) through the Renaissance (15th and 16th Centuries) to the 17th and early 18th Century (Baroque Period). This course features the artistic genius of Dante, Leonardo, Michelangelo, Shakespeare, Rembrandt, Handel, Bach and more!

HUM 253. Humanities. 3 Hours.
We study the art, literature, and music of the Western World, from the 18th Century (“Age of Reason”/“Classical Period” in Music) through the “Romantic Era” of the 19th Century to “Modernism” and “Post-Modernism” in the 20th and 21st Centuries, celebrating many artists including (usually) Mozart, Voltaire, Beethoven, Keats, Austen, Renoir, van Gogh, Ibsen, Picasso, Armstrong, and Wolff.

HUM 254. Non-Western Humanities. 3 Hours.
An integrated survey of the art, literature, philosophy, and history of a particular non-western culture. The specific culture studied from year to year will vary but could rotate among Japanese, African, pre-Columbian American, Chinese, or Indian. May be repeated for credit.
HUM 296. Study Tour. 1-3 Hour.
MSU faculty-led study trips to appropriate locations. Will include additional requirements beyond travel itself. May be repeated for credit. Does not count towards the Humanities minor.

HUM 299. Special Topics. 1-8 Hour.
Topics are variable. Offerings include visiting professors, experimental offerings of new courses, or one-time offerings of current topics. Prerequisite: Consent of instructor.

HUM 303. The World of Ancient Greece. 3 Hours.
Humanities 303 offers students an in-depth look at Greek Culture, its language, laws, arts, history, philosophy, literature, and cultural values. Students can expect to live and breathe Greek culture, and to gauge its impact on the world then, now, and all of the time in between. The course will explore Greek Culture from its earliest cyclic stories surrounding the fall of Troy, the advent of the Pre and Post Socratic thinkers, its formative poets and artists, and the various parts of its historic and linguistic record. Expect to consider the great conflicts with the Persians that ultimately forged a democratic identity that guides our understanding of human governance still, as well as the various Confederacies and alliances with and against other Greek City States, forging for us an identity that shadows us still. Students can expect to experience how the Greeks approached life in ways different from every other ancient culture, engaging in the act of questioning received truths that transformed virtually every aspect of Greek society.

HUM 304. The World of Ancient Rome. 3 Hours.
Humanities 304 offers students an in-depth look at Roman Culture, its language, laws, arts, history, philosophy, literature, and cultural values. Students can expect to live and breathe Roman culture, and gauge its impact on the world then, now, and all of the time in between. The course will explore Roman culture from its earliest fragments of Latin inscriptions and the customary Twelve Tables of Law, through the tumultuous Roman passions for building, power, love, lust, war, bread and games. The course ends in the Roman dust, when the Western Empire falls, circa 476 CE, and the surviving eastern half grows ever stranger as the centuries pass. Students will learn about Rome both in the grand scale of its huge achievements and ambitions, as well as in the small ways of everyday life. The course contributes to the Minor and Concentration in the Humanities.

HUM 394. Independent Study. 1-3 Hour.
Independent or directed study of special topics in the study of humanities.

HUM 399. Special Topics. 1-3 Hour.
Varying areas of content, issues, or themes in the study of humanities.

HUM 496. Study Tour. 1-6 Hour.
MSU faculty-led study trips to appropriate locations. The course requirements will include additional requirements beyond the travel itself and may be repeated for credit.

HUM 499. Special Topics. 1-8 Hour.
Topics are variable. Offerings include visiting professors, experimental offerings of new courses, or one-time offerings of current topics. Prerequisite: Consent of instructor.

IDS 240. Introduction to Interdisciplinary Studies. 2 Hours.
Introduction to the nature of interdisciplinary studies - drawing on disciplinary perspectives to construct a more comprehensive perspective to address questions, problems, or topics too broad or complex for a single discipline. The primary goal of the course is to help students develop a thoughtfully crafted Academic Plan of study for pursuit of a BIS degree.

IDS 360. Directed Project. 2-4 Hour.
Under the direction of their advisors, students complete an interdisciplinary project that integrates their disciplines of study. The nature of the project varies with the student's goals and the disciplines being integrated (e.g., research project, service-learning project, creative work, etc.). May be repeated for credit up to a maximum of 4 credits. Prerequisite: approved Directed Project proposal and permission of IDS director, IDS 240, and permission of instructor.

IDS 470. General Studies Capstone. 1 Hour.
This capstone seminar provides Bachelor of General Studies students an opportunity to reflect on their degree experience and prepare for the future. Students will reflect on and synthesize their academic experiences and present them in a paper and presentation. Part of the course will focus on preparation for the future, including resume and cover letter preparation, interview skills, and professional communications related to individual career goals.

IDS 480. Senior Capstone. 2 Hours.
In this seminar course students present the results of their Directed Project. In most cases students will present their work in both a paper and an oral presentation, but other formats are possible depending on the nature of the Directed Project. Prerequisite: IDS 360.

INT 496. Study Abroad (Non-Reciprocal). 1-18 Hour.
Students registered will study abroad in programs not governed by reciprocal exchange agreements with Minot State University. The course is considered as a placeholder and required for students studying abroad in order to maintain full-time status. In addition, course content is designed to enhance cross-cultural learning and provide guidance on how to approach living and adapting to another culture and community. Courses and grades earned abroad will be entered as transfer credits from the host institution for the related semester of study abroad. Prerequisites: Restricted to students who have at least Sophomore status, a 2.5 GPA, and approval from the Office of International Programs.
INT 497. Study Abroad. 1-18 Hour.
Students registered will study abroad in programs governed by reciprocal exchange agreements with Minot State University. The course is considered as a placeholder and required for students studying abroad in order to maintain full-time status. In addition, course content is designed to enhance cross-cultural learning and provide guidance on how to approach living and adapting to another culture and community. Course and grades earned abroad will be entered as transfer credits from the host institution for the related semester of study abroad. Prerequisites: Restricted to students who have at least Sophomore status, a 2.5 GPA, and approval from the Office of International Programs.

INT 95. Fostering a Diverse and Inclusive Community. 0 Hours.
This is a service course in which students work to promote the vitality of community and culture through public activities that foster a diverse and inclusive climate. The course experience will require students to organize, coordinate, or play a significant role in executing a public activity or event that celebrates different cultural or ethnic backgrounds, such as the International Cultural Celebration, Black History Month activities, or the annual spring Honor Dance and Powwow.

KIN 100. Concepts of Fitness & Wellness. 2 Hours.
Provides information and skill training directed to assessing the health-related components of physical fitness, proper nutritional needs for performing physical activities, laboratory activities (group exercise, calisthenics, walk/jog, and weight training), and the cognitive concepts of health-related fitness.

KIN 101. Social Dance. 1 Hour.
Students will participate in a variety of social dances including; line, swing, latin, square, waltz, country two step, country three step, traditional two step, and multicultural dance.

KIN 102. Jogging & Conditioning. 1 Hour.
Instruction, practice, and participation in the basic skills, body mechanics, and terminology associated with jogging and power walking. An emphasis is placed on developing a personal fitness program to fit the individual's needs and current abilities.

KIN 103. Beginning Gymnastics. 1 Hour.
Requires active participation in fundamental tumbling skills, movement fundamentals, and warm-up.

KIN 104. Team Sports. 1 Hour.
Requires active participation in (but not limited to) speedball, flickerball, basketball, and softball.

KIN 105. Outdoor Activities I. 1 Hour.
Requires active participation in (but not limited to) snow skiing and other outdoor related activities. Fees apply to specific activities.

KIN 106. Varsity Soccer. 1 Hour.
Requires active participation in varsity soccer. Repeatable for credit.

KIN 107. Introduction to Physical Education. 2 Hours.
Provides prospective physical educators with an insight into the broad scope of physical education. The student will have the opportunity to obtain an understanding and appreciation of this multifaceted field. Opportunities to assess what physical education offers in terms of career potential.

KIN 108. Volleyball. 1 Hour.
Requires active participation in the fundamental skills and sport of volleyball.

KIN 109. Racket Sports. 1 Hour.
Requires active participation in (but not limited to) tennis, racquetball, and pickleball.

KIN 110. Beginning Swimming. 1 Hour.
Requires active participation in the fundamental skills of swimming. An emphasis will be placed on water survival skill based upon the American Red Cross water safety guidelines.

KIN 111. Varsity Football. 1 Hour.
Requires active participation in varsity football.

KIN 112. Varsity Basketball. 1 Hour.
Requires active participation in varsity basketball.

KIN 113. Varsity Track and Field. 1 Hour.
Requires active participation in varsity track and field.

KIN 114. Varsity Tennis. 1 Hour.
Requires active participation in varsity tennis.

KIN 115. Varsity Golf. 1 Hour.
Requires active participation in varsity golf.

KIN 116. Varsity Cross Country. 1 Hour.
Requires active participation in varsity cross country.

KIN 117. Varsity Volleyball. 1 Hour.
Requires active participation in varsity volleyball.

KIN 118. Varsity Cheerleading. 1 Hour.
Requires active participation in cheerleading during the fall or winter sports.
KIN 119. Varsity Softball. 1 Hour.
Requires active participation in varsity softball.

KIN 120. Strength Training. 1 Hour.
Instruction, practice, and participation in the basic skills, body mechanics, and terminology associated with weight training. An emphasis is placed on developing a strength training program to fit the individual's needs and current abilities.

KIN 121. Varsity Baseball. 1 Hour.
Requires active participation in varsity baseball.

KIN 122. Varsity Dance Team. 1 Hour.
Requires active participation on the varsity dance team.

KIN 123. Outdoor Activities II. 1 Hour.
Requires active participation in (but not limited to) canoeing and other associated outdoor activities. Fees apply to specific activities.

KIN 124. Individual Sports. 1 Hour.
Requires active participation, terminology, knowledge, and skills associated with (but not limited to) golf and archery.

KIN 125. Intermediate Swimming. 1 Hour.
Requires active participation in the perfection of swimming skills.

KIN 126. Group Exercise. 1 Hour.
Students will actively participate in a variety of group exercise formats including yoga, bodypump, cardio, strength, sculpt, circuit, tabata, stability ball, and step.

KIN 127. Advanced Hunter Education. 1 Hour.
Provides North Dakota Hunter Education certification, firearms history and nomenclature, marksmanship theory and practice, firearm handling and safety (which includes live firing with shotgun), basic first aid survival, hunting, philosophy, and hunter ethics.

KIN 128. Varsity Hockey. 1 Hour.
Athletes participate in varsity hockey program.

KIN 131. Varsity Wrestling. 1 Hour.
Requires active participation in varsity wrestling. Repeatable for credit.

KIN 210. First Aid & CPR. 1 Hour.
Provides instruction in first aid, emergency care procedures, and CPR, which leads to certification by the American Red Cross.

KIN 215. Methods of Teaching Sport Activities. 2 Hours.
Provides instruction, practice, and teaching experience in sports activities. Fundamental rules, skills, terminology, and teaching strategies will be emphasized in (but not limited to) the following sports; softball, soccer, speedball, volleyball, badminton, racquetball, archery, golf, tennis, wallyball, pickleball, and ultimate frisbee. This course is restricted to PE majors and minors, and corporate fitness majors.

KIN 220. Methods of Teaching Dance. 2 Hours.
Provides practice, instruction, and teaching experience in (but not limited to) social, folk, and square dance. Emphasis will be placed on methods and techniques of teaching the rhythms of dance steps and placement of dance. This course is restricted to PE majors and minors, and corporate fitness majors.

KIN 225. Fitness Leadership. 2 Hours.
Course provides prospective corporate fitness, physical education and coaching professionals with an understanding of the fitness industry.

KIN 231. Methods of Teaching Aquatics. 2 Hours.
Instruction and participation in the basic swimming stokes, water games, and aquatic exercises.

KIN 299. Special Topics in Human Performance. 1-3 Hour.

KIN 300. Principles of Coaching Methods. 2 Hours.
This course provides students with the foundational content to successfully complete the American Sport Education Program coaching certification. The curriculum covers essentials to prepare coaches to step on the field for the first time. There is a focus on principles of coaching, behavior, teaching, physical training, and management. Topics include coaching philosophy and style, sport management, season and practice planning, and teaching technical and tactical skills. Students completing the course and certification will be published on the ASEP national coaching registry. Prerequisite: Students must be Physical Education or Corporate Fitness and Wellness majors or Coaching minors before enrolling in this course.

KIN 301. Psychomotor Development. 2 Hours.
Provides an understanding of the changes that occur in motor behavior over the entire life span. Participants will have opportunities to discuss issues relating to various motor development theories and to the different influences affecting an individual's motor development. Participants will have opportunities to observe and analyze fundamental motor patterns as they are performed in various settings. Emphasis is placed on the identification of components of correct form, the detection of incorrect form, and the appropriate use of skill cues to prompt participants toward correct form.

KIN 310. Organization & Administration of PE & Athletics. 2 Hours.
Provides a study of administration and management concepts and management responsibilities relevant to teaching and non-teaching career fields.
KIN 325. Personal Training Methods. 2 Hours.
This course is designed to provide prospective physical educators, coaches, and corporate fitness majors with instruction, practice, and teaching experience in personal training and lifestyle management coaching. Fundamental terminology, personal training skills, strategies and techniques will be emphasized. Students will practice developing personal training programs tailored to fit the ability, fitness level, and desired outcomes of prospective clients. Prerequisite: Students must complete KIN 226 before enrolling in this course.

KIN 334. Nutrition for Physical Performance. 2 Hours.
Provides information on how nutritional habits affect physical performance. An emphasis will be placed on knowledge of the six basic nutrients, food groups, calories, and energy expenditure.

KIN 340. Elementary Physical Education Methods & Activities. 3 Hours.
Provides prospective teachers with an understanding of contemporary reflective approaches to teaching elementary physical education grades K-5. Curriculum and lesson content will be geared towards meeting the National Standards & Grade-Level Outcomes for K-12 Physical Education (SHAPE America) and teacher education INTASC standards and dispositions. Participants will learn and practice a variety of teaching methods that will be utilized in peer and field teaching experiences: a) planning for quality instruction, b) effective and appropriate instructional practices, c) classroom management, d) evaluation, reflection, and improvement of instruction. Course content will allow students to learn and practice teaching skills. Prerequisites: Admission to teacher education plus KIN 301 for physical education majors or a minor in physical education for non-education majors. In addition, this course is a prerequisite for KIN 341 and it is highly recommended that this is taken prior to KIN 391.

KIN 341. Practicum for Elementary Physical Education. 2 Hours.
Provides prospective physical education teachers with active participation in the complete process of teaching developmentally appropriate physical education to children in grades K-5. This approach to teaching is based on evidence-based practices and serves as the content for national standards for K-12 physical education (SHAPE America). Participants will receive a minimum of 30 contact hours with children during which time they will practice and refine instructional skills taught in KIN 340. This course should be taken with ED 323L. Prerequisites: KIN 340 and Admission to Teacher Education.

KIN 360. Administration of School Health Programs. 3 Hours.
The development and administration of the public school health program, with emphasis being placed on health services, healthy living, and health instruction. Special emphasis placed on developing and administering health instruction material for the elementary through senior high school program based upon the guidelines and recommendations of the North Dakota Department of Public Instruction.

KIN 361. Vital Health Issues. 3 Hours.
Provides participants with an understanding of various current health topics and issues including (but not limited to) stress, mental health, intimate relationships, weight management, and substance abuse.

KIN 362. Principles & Methods of Teaching School Health. 3 Hours.
Provides prospective teachers with an understanding of a contemporary and reflective approach to teaching health in the public schools grades K-12. This approach to teaching is based on learner-centered instructional strategies. Participants will learn and practice skills that will be most useful to them as beginning teachers such as: (a) establishing the learning environment; (b) planning appropriate and meaningful learning experiences; and (c) using effective teaching behaviors to implement the lesson plans.

KIN 391. Secondary Physical Education Methods and Practicum. 4 Hours.
This course has two major components. First, methods coursework is done at MSU which provides teaching strategies for classroom management, planning, instruction, and assessment of teacher as well as student behavior. Current theories of motivation are explored and applied in this course. Second, 45 contact hours with secondary students will provide extensive opportunity to apply current practices learned in the classroom. Prerequisites: KIN 301, Admission to Teacher Education, and it is highly recommended that students take KIN 340 prior to enrolling in this course. Course restricted to Physical Education majors.

KIN 394. Independent Study. 2 Hours.

KIN 396. Study Abroad. 0-16 Hour.
Students registered in this study abroad will have international fitness and educational experiences that will enhance their worldview of their disciplines. Department Approval Required.

KIN 401. Methods of Coaching Football. 2 Hours.
Provides techniques, skills, strategies, and coaching procedures developed through classroom presentations and skill sessions.

KIN 402. Methods of Coaching Basketball. 2 Hours.
Provides fundamental and team concepts developed through classroom and skill sessions.

KIN 403. Methods of Coaching Track. 2 Hours.
Provides responsibilities, rules, methods, and techniques of coaching track and field. Laboratory work and skill sessions.

KIN 404. Methods of Coaching Baseball. 2 Hours.
Provides fundamental and team concepts developed through classroom presentations and skill sessions.

KIN 405. Methods of Coaching Wrestling. 2 Hours.
Provides the requirements, responsibilities, and methods of coaching wrestling on a secondary or junior high school level. Along with classroom lecture and discussion the students will be required to observe practice sessions and matches at the local junior and senior high schools.

KIN 406. Methods of Coaching Volleyball. 2 Hours.
Provides techniques, skills, strategies, and coaching procedures developed through in-class analysis and on-court skill sessions.
KIN 407. Psychology of Physical Education & Athletes. 2 Hours.
Provides knowledge of the psychological aspects of participation in physical education and athletic events. Emphasis will be placed on the teacher/coach and student/athlete relationship in regard to developing communication, leadership, motivation, self-confidence, and goal setting skills. Prerequisite: PYS 111.

KIN 412. Research Design & Epidemiology. 2 Hours.
This course provides students with the opportunity to learn about evidence-based practice in sport and exercise sciences topics. This will be a comprehensive course providing students with the skills necessary to design a research project. Students will understand epidemiology in sport and exercise science.

KIN 431. Kinesiology. 3 Hours.
Provides study of joint movements and muscle action as related to physical activities. Prerequisite: BIOL 115 or 220.

KIN 433. Physiology of Exercise. 3 Hours.
Provides a comprehensive study of the physiological effect of muscular exercise and training upon organs and systems of the body.

KIN 441. Evaluation of Psychomotor Performance. 3 Hours.
Designed to provide the corporate fitness and physical education major with an understanding of contemporary methods used to measure and evaluate psychomotor skills and performance. Emphasis will be placed on learning and practicing techniques necessary for proper evaluation of health and performance related to physical fitness and selected sport skills.

KIN 442. Adapted Physical Education. 2 Hours.
Provides practical methods and teaching applications that can be used in a mainstreamed or adapted group games, dance, and individual and dual sports. Prerequisite: KIN 215.

KIN 494. Special Topics In Physical Ed. 1-8 Hour.

KIN 496. Coaching Activities Practicum. 2 Hours.
Coaching minors work with experienced coaches in the field to gain practical experience in a field setting. All practicums arranged by the department.

KIN 497. Practicum in Corporate Fitness. 1-18 Hour.
160 to 360 hours of practicum experience at two to four sites in a recreation, wellness, fitness center, clinical, or athletic performance setting. Students must take at least two credits at a time, with 20 hours of clinical experience required per credit. Restricted to junior and senior corporate fitness majors. Prerequisite: KIN 226, KIN 325, and KIN 431 or 433 courses must be completed.

LANG 101. Beginning Classical Greek I. 4 Hours.
Introduction to the language of the ancient Greek world. Students will learn a substantial amount of vocabulary as well as key morphological and syntactic constructions. Throughout, students will be exposed to snippets from authors ranging from Plato and Sophocles to Homer and Aristophanes. There will also be occasional forays into Mycenaean Greek and epichoric inscriptions.

LANG 102. The Structure of Language. 3 Hours.
This course introduces students to the nature of language and its interaction with non-linguistic entities. All aspects of language will be covered, ranging from sounds to words to sentences to meaning to conversations. The course will also touch on how languages evolve through time, why they always seem to be in flux, and attempts made to save dying ones.

LANG 104. Native Languages of America. 3 Hours.
This is an introduction to linguistic analysis using the languages native to North America as our template. Students will examine particular languages with an eye towards their sounds, word forms, and word order. Additionally, students will observe the historical development and cultural significance of particular native languages. Languages native to North Dakota such as Hidatsa, Mandan, Arikara, Lakota, Nakota, Dakota, Chippewa, and Cree will be highlighted.

LANG 105. Writing Systems. 3 Hours.
A history of the principle writing systems of the world and a discussion of how they work. In addition to studying cuneiform, Egyptian hieroglyphs, Chinese characters, Japanese kana and kanji, Korean hangul, Mayan glyphs, Hindi's devanagari, Linear A and B, Cree's alphasyllabary, Russian's cyrillic, Cherokee's syllabary, Hebrew and Arabic's consonantal writing systems, ample time will be spent tracing the history and development of the Roman alphabet's individual letters.

LANG 107. Language and the Brain. 3 Hours.
This course will examine how language and cognitive processes interact using approaches from linguistics and brain sciences. Topics may include language representation in the brain, cognition, psycholinguistics, language acquisition, language processing, brain imaging methodologies, speech and language disorders, and speech perception.

LANG 120. Ojibwe Language. 3 Hours.
This course is an introduction to the Ojibwe language. Coupled with cultural teachings, this course focuses on developing listening, speaking, writing, and reading skills in the language.

LANG 206. Latin and Greek in Scientific Terminology. 3 Hours.
This course familiarizes students with the Latin and Greek building blocks which are so fundamental to much terminology in the natural sciences. The morphological structure of Latin and Greek words will be explored as will the semantic ranges of the most common and useful affixes and roots.
LANG 298. Syntax & Morphology. 3 Hours.
To introduce ESL (English as a Second Language) students to the richness of English affixes as well as to the rules of sentence formation. Specifically:

1.

LANG 299. Special Topics. 1-8 Hour.

LANG 390. Foreign Language Methods. 4 Hours.
Practical Methods for teaching foreign languages. Examines theories of second language acquisition and research in effectiveness of various teaching strategies. Includes a 60-hour practicum in high school classes with some practice teaching. This course is limited to and required of world language majors and minors in the BSE program. Does not count towards the residency requirements for the world languages BSE major or minor. Prerequisite: Admission to Teacher Education or department consent.

LANG 394. Independent Study General Lang. 1-4 Hour.

LANG 404. TA Foreign Language Seminar. 3 Hours.
This course is designed to provide structure to the experience of teaching world languages as a Fulbright Language Teaching Assistant (FLTA).

LANG 451. Study Abroad Recap. 1-6 Hour.
After completing a significant period of immersion in the target culture, students take this course at Minot State University the semester upon returning. The world language faculty assist students in reflecting upon their study abroad experience while narrowing down topics for a senior capstone. This course is restricted to declared world languages BA/BSE majors and minors. It does not count towards the residency requirement for the world languages BA/BSE major or minor; exceptions by department consent. This is taken at Minot State University the semester after returning from study abroad. Prerequisite: Restricted to students who are World Language majors.

LANG 499. Special Topics. 1-8 Hour.

LANG 95. Foreign Language Experience. 0 Hours.
This is a service course in which students could use their language skills by tutoring in the schools, volunteering in the courthouse and hospitals, or presenting language lessons in the nursing homes with songs and parties.

LAT 101. Beginning Latin I. 3 Hours.
Introduction to the grammar and language of the Roman Empire with emphasis on Latinate words surviving into English. Throughout, students will be exposed to snippets from real Latin authors, e.g. Caesar, Vergil, Cicero, Ovid.

LAT 102. Beginning Latin II. 3 Hours.
A continuation of Latin 101 with an introduction to more advanced grammar topics such as the subjunctive, indirect discourse, conditional sentences, and the supine. Increasingly more advanced literary texts are also introduced.

LAT 201. Intermediate Latin I. 3 Hours.
A continuation of Latin 102 with primary focus on reading prose. Reading selections will come from Caesar's "Gallic Wars", Cicero's "Pro Caelio", Augustus' "Res Gestae", Suetonius' "The Twelve Caesars", and portions of Jerome's Vulgate Bible. Prerequisite: Student must complete Latin 102 before enrolling in this class.

LAT 202. Intermediate Latin II. 3 Hours.
To continue in the reading of original Latin prose authors such as Cicero, Caesar, Tacitus, and Suetonius as well as to explore the works of various poets such as Vergil, Horace, and Catullus. A final portion of the class will offer an overview of the development of the Latin language into the Romance languages. Prerequisite: Students must complete Latin 201 before enrolling in this course.

LEAD 101. Introduction to Leadership. 3 Hours.
LEAD 101 introduces students to basic components of personal leadership development, including the examination of leadership theories and styles, personal identity, diversity, communication, power, and ethics. Students will engage in self-reflective and experiential learning activities in order to make connections between course materials and real-world application.

LEAD 201. Collaborative Leadership. 3 Hours.
LEAD 201 focuses on leadership through the lens of team development and organizational structures. In particular, this course will emphasize the role of leadership in change processes, decision-making, and problem-solving with teams.

LEAD 301. Experiences in Leadership. 3 Hours.
LEAD 301 provides an opportunity for students to gain practical experience through a supervised leadership practicum. Students will work with their course instructor and field supervisor to develop a plan of study. Furthermore, students will also examine contemporary leadership topics through readings, speakers, and class discussions they can then apply to their practicum experiences. This experience culminates with a public presentation.

LEGL 322. Criminal Law. 3 Hours.
A critical examination of the development and function of western criminal law; analyzes current definitions of criminal acts and omissions, defenses, and justifications in the social and legal society of the United States. Prerequisite: Student must complete CJ 201 before enrolling in this class.

LEGL 350. Criminal Procedure. 3 Hours.
This course is designed to expose students to the rules and procedures in which criminal prosecutions are governed. The course begins with examining the rules and procedures of police investigations and continues throughout the process of the criminal justice process. Examples of questions that criminal procedures addresses are: When can a police officer conduct a search of a home? When can a probation officer enter probation's home without notice? Students will also examine the historical foundation of these rules and procedures. Prerequisite: Student must complete CJ 201 before enrolling in this class.
LEGL 365. Law & Society. 3 Hours.
Examination of the various perspectives on the development and implementation of law and assessment of the various facets of law in action. Prerequisite: CJ 201.

LEGL 370. Court Processing and Sentencing. 3 Hours.
Provides students with a comprehensive analysis of the U.S. court system; the function of state and federal district, appellate, and supreme courts is reviewed; students are introduced to the influence of extra-legal factors and their differential impact on offender processing; contemporary criminal justice issues facing the court system are also examined. Prerequisite: CJ 201.

LEGL 372. Juries. 3 Hours.
The primary objective of this course is to offer students a comprehensive, critical analysis of the jury system in the United States. A few of the issues to be examined are: jury selection and service, jury nullification, jury decision-making, information processing, juries and tort awards, and juror competence. A special emphasis will focus on the capital jury process and decision-making. Prerequisite: CJ 201.

LEGL 374. Comparative Criminal Justice Systems. 3 Hours.
This course is designed to provide students with an in-depth study of international criminal justice and legal traditions and systems. Students will complete a critique of the differences and similarities among various international criminal justice and U.S. justice and legal systems. Prerequisite: CJ 201.

MATH 103. College Algebra. 4 Hours.
This course explores fundamental college algebra topics, either as preparation for further study in mathematics or to meet the general education requirement. Topics of study include the following: relations, functions, and graphing; equations and inequalities; complex numbers; radical, polynomial, rational, exponential, and logarithmic functions; systems of equations; matrices; sequences and series, and the binomial theorem. Prerequisite: ASC 93 with C or better or qualifying math placement score. Required corequisite MATH 103L if a placement score qualifies for Elementary Algebra.

MATH 103L. College Algebra Lab. 2 Hours.
College Algebra lab provides students in Math 103 with an extended experience in a lab setting working on algebra skills. Lab meets 4 hours per week. This class uses S/U grading. Required Corequisite to MATH 103 if a placement score qualifies for ASC 93. Withdrawing from this class will also withdraw you from MATH 103.

MATH 104. Finite Mathematics. 4 Hours.
This course is for students whose major does not require MATH 103 College Algebra, Math 107 Precalculus, or courses in calculus. This course emphasizes the understanding and application of mathematics as they are used in everyday life. Topics of study include systems of linear equations and inequalities, matrices, linear programming, logic, mathematics of finance, elementary probability, and descriptive statistics. This course does not serve as the prerequisite for any other math course. Prerequisite: ASC 93 with C or better or qualifying math placement score.

MATH 105. College Trigonometry. 2 Hours.
Topics include trigonometric functions and their inverses, solving triangles, trigonometric identities and equations, polar coordinates, and applications. Prerequisite: MATH 103 with a C or better or qualifying math placement score.

MATH 107. Precalculus. 4 Hours.
Topics include graphing and finding standard forms and inverses of the following types of equations and inequalities: polynomial, rational, exponential, logarithmic, trigonometric, trigonometric identity, conic section, polar-coordinate, and parametric (introduction). Prerequisite(s): MATH 103 with a C or better or qualifying math placement score.

MATH 146. Applied Calculus. 3 Hours.
Introduction to differential and integral calculus with applications from areas such as social science and business. Topics include limits, derivatives, integrals, exponential and logarithmic functions, and applications. Prerequisite(s): MATH 103 with a C or better or qualifying math placement score.

MATH 165. Calculus I. 4 Hours.
Topics include limits, continuity, differentiation, Mean Value Theorem, integration (indefinite and definite integrals), Fundamental Theorem of Calculus, and applications. Prerequisite(s): MATH 107 with a C or better or MATH 103 and 105 with a C or better or qualifying math placement score.

MATH 165. Calculus II. 4 Hours.
Topics include methods of integration, applications of integration, polar equations, sequences, series, power series, and applications. Prerequisite: MATH 165 with a C or better.

MATH 201H. Environmental Mathematics. 3 Hours.
Exploration of environmental issues using mathematical models together with real world data. Topics may include: ecology, health sciences, economics, genetics, and other environmental issues. Possible field experience. Prerequisite(s): ASC 93 with a C or higher or qualifying math placement score.

MATH 205. Math Proof & Problem Solving. 3 Hours.
A course on mathematical proofs and axiomatic systems. Topics may include set theory, formal logic, combinatorics, or graph theory. Prerequisite: MATH 165.

MATH 208. Discrete Mathematics I. 4 Hours.
Introduction to discrete mathematics with an emphasis in computer science and applications developing the ability to think abstractly using ideas of logic and proof. Students will study concepts of logic circuits and computer addition, algorithm analysis, recursive thinking, computability, automata, cryptography, and combinatorics. Students discover that the ideas of discrete mathematics are essential to computer science. Prerequisite: MATH 103 with a C or better.
MATH 210. Elementary Statistics. 4 Hours.
An examination of introductory statistics concepts, including sampling, descriptive statistics, probability, correlation, regression, binomial and normal distributions, confidence intervals and hypothesis testing of one and two populations, ANOVA, and Chi-square tests. Technology will be used to enhance learning and mirror statistical applications and practices in the larger world. Prerequisite(s): ASC 93 with a C or better or qualifying math placement score. Required corequisite: MATH 210L if a placement score qualifies for ASC 93.

MATH 210L. Elementary Statistics Lab. 2 Hours.
Elementary Statistics lab provides students in MATH 210 with an extended experience in a lab setting working on statistics skills. Lab meets 4 hours per week. This class uses S/U grading. Required Corequisite to MATH 210 if a placement score qualifies for ASC 93. Withdrawing from this class will also withdraw you from MATH 210.

MATH 265. Calculus III. 4 Hours.
Functions of more than one variable, multiple integrals, line integrals, Green's and Stokes's theorem. Prerequisite: MATH 166.

MATH 266. Differential Equations. 4 Hours.
First-order equations, second- and higher-order linear equations, modeling with differential equations (linear and nonlinear models), series methods, The Laplace Transform, systems of equations, and numerical methods. Prerequisite: MATH 166.

MATH 277. Mathematics for Elementary Teachers I. 3 Hours.
A course for elementary education majors. Topics include problem solving, number systems (natural numbers through the reals), number theory, and proportional reasoning. Technology and manipulatives are used throughout the course. Prerequisite: ASC 93 with a C or better or qualifying math placement score.

MATH 294. Intro to Research in Math. 1-2 Hour.
Students explore topics, expand their mathematical knowledge, and begin to conduct introductory research under the direction of a faculty mentor. The number of credits is proportional to the time committed to the research (1 SH = 3 hours of student work per week on average). This course may be repeated for up to 4 credits total. Instructor permission required.

MATH 299. Special Topic. 1-4 Hour.

MATH 305. Linear Algebra. 4 Hours.
Systems of linear equations, matrices, determinants, real vector spaces, subspaces, linear independence, bases, rank, linear transformations, eigenvalues and eigenvectors, and diagonalization. Prerequisite: MATH 107 or advanced placement.

MATH 314. Mathematical Programming. 2 Hours.
Symbolic, numerical, and graphical computing using mathematical software packages. MATLAB will be used during fall semesters and Mathematica will be used during spring semesters.

MATH 315. Mathematical Programming and Modeling. 4 Hours.
Basic skills and techniques of formulation, simulation, analysis, and testing of mathematical models for describing and predicting a variety of phenomena in physics, chemistry, biology, business, economics, medicine, and social and environmental sciences utilizing mathematical software for symbolic, numerical, and graphical computing. Prerequisite: MATH 165.

MATH 320. Number Theory. 3 Hours.
Unique factorization, residue theory, Diophantine equations, quadratic equations and reciprocity. Prerequisite: MATH 205.

MATH 325. Algebra for Secondary Teachers. 3 Hours.
Algebra topics in the secondary mathematics curriculum are explored using a variety of manipulatives, technologies, and teaching resources. Focus areas include patterning, connections between algebraic topics, and multiple ways of knowing and learning algebraic topics. Prerequisite: MATH 165.

MATH 330. College Geometry. 4 Hours.
Geometry for secondary teachers. Euclidean geometry using both inductive and deductive approaches. Teaching tools include appropriate technology, standard topics plus finite and transformational geometry. Prerequisite: MATH 205 with a C or better.

MATH 345. Linear Models. 4 Hours.
Statistical methods, including topics from: sampling, hypothesis testing, nonparametric statistics, resampling, simple and multiple regressions, and the general linear model. Computer statistical packages will be integrated into the course. Prerequisite: MATH 210, PSY 241 or BIOL 240.

MATH 346. Experimental Design. 4 Hours.
Statistical methods including topics from analysis of variance; fixed and random factors; block, nested, and crossed designs; factorial, fractional factorial and confounded designs; split plot designs; and multivariate analysis. Computer statistical packages will be integrated into the course. Prerequisite: MATH 210.

MATH 377. Mathematics for Elementary Teachers II. 3 Hours.
A course for elementary education majors. Topics include probability, statistics, and geometry. Calculators, computer software, and manipulatives are used throughout the course. Prerequisite: ASC 93 with a C or better or qualifying math placement score.

MATH 378. Mathematics for Elementary Teachers III. 3 Hours.
A required general education course for elementary education majors. Topics include algebraic reasoning and habits of mind, problem solving, set theory, probability, and statistics. Students will learn how to communicate, explain, and demonstrate mathematics using various physical models, conceptual models, manipulatives and other relevant tools through the study of student errors and implementation of classroom activities. Prerequisites: MATH 277 and MATH 377. Corequisite: ED 221L.
MATH 380. History of Mathematics. 3 Hours.
Development of mathematics from its early beginning through the present axiomatic approach. Problems from each era are included. Prerequisite: MATH 107 or MATH 165.

MATH 381. Secondary Math Practicum. 1 Hour.
This course will require a minimum of 60 clock hours in a practicum experience. The experience will take place in a grade 6-12 setting. Prerequisite(s): Admission to Teacher Education. Prereq/Coreq: MATH 391.

MATH 385. Directed Project in Mathematics Education. 0.5 Hours.
A course offered for eight weeks of the semester where the general topic and specific goals and activities are agreed upon by the student and the instructor. While presentation is not a requirement, all projects have a goal of producing presentable results.

MATH 391. Secondary Mathematics Teaching Methods. 3 Hours.
Intended for preservice mathematics teachers to plan mathematics lessons, develop mathematics teaching skills, address possible teaching issues, and develop evaluation and assessment strategies and instruments. Prerequisite(s): Admission to Teacher Education.

MATH 392. Praxis Subject Area Exam Preparation. 0.5 Hours.
A course offered for eight weeks of the semester to prepare students for the mathematics content exam required for graduation and teacher licensure in North Dakota.

MATH 394. Independent Study General Math. 1-4 Hour.

MATH 420. Abstract Algebra. 4 Hours.
Abstract algebraic systems: Groups, rings, homomorphisms and isomorphisms. Prerequisites: MATH 205.

Introduction to probability: discrete and continuous random variables, distribution functions, and special probability distributions. Prerequisite: MATH 146 or MATH 166.

MATH 446. Probability and Statistics II. 4 Hours.
Multivariate probability distributions, functions of random variables, moment generating functions, sampling distributions, estimation methods, properties of point estimations, linear models, and some special experimental designs. Prerequisite: MATH 445.

MATH 450. Real Analysis. 4 Hours.
Limits of functions and sequences, continuity, topology of the reals, differentiation, Riemann Integration, convergence and uniform convergence. Prerequisite: MATH 205.

MATH 460. Complex Analysis. 3 Hours.
Analytic functions, conformal maps, Cauchy integral formula, and residue theorem. Prerequisites: MATH 265 and MATH 450.

MATH 466. Partial Differential Equations. 3 Hours.
Solve standard partial differential equations (Laplace's equation, transport equation, heat equation, wave equation) by separation of variables and transform methods, including eigenfunction expansions, Fourier, and Laplace. Other topics include boundary value problems, orthogonality and Fourier series. Prerequisites: MATH 265 and MATH 266.

MATH 470. Numerical Analysis. 4 Hours.
Error analysis, numerical differentiation and integration, linear systems and numerical solutions to differential equations. Prerequisites: MATH 265, MATH 305, and MATH 315.

MATH 494. Directed Research in Math. 1-4 Hour.
Students conduct research under the direction of a faculty mentor. The general topic and specific goals and activities are agreed upon by the student and the mentor. While publication or presentation is not a requirement, all projects have a goal of producing publishable/presentable results. The number of credits is proportional to the time committed to the research (1 SH = 3 hours of student work per week on average). This course may be repeated for up to 8 credits total. Instructor consent required.

MATH 499. Special Topics. 1-4 Hour.

MHA 297. Addiction Studies Practicum. 2 Hours.
The course will focus on introducing students to the addiction counseling profession. You will learn about professional behavior, supervision, ethics, documentation, and coping in a stressful profession. Along with the one-hour seminar, you will also be required to complete 40 hours of a community internship at a licensed addiction treatment facility. Prerequisite: PSY 111.

MHA 338. Professional Relations & Ethics. 3 Hours.
The course will focus on understanding professional ethics, the role they play in client, public, and professional protection. The American Psychological Association and NAADAC ethics codes will be used as a guideline for understanding ethical principles that apply to addiction counseling and psychological fields. Students will review relevant North Dakota Century Codes and the Code of Federal Regulations 42 part 2 (CFR 42 part 2). Students will learn how to make ethical decisions, understand federal and state regulations, and how ethical codes relate to malpractice and liability. Specific areas which may be covered include confidentiality, record keeping, competence, training, impairment, dual relationships, conflict of interest, relationships with colleagues, forensic psychology, teaching, informed consent, and finances and marketing. Prerequisite: PSY 111.
MHA 344. Dynamics of Addiction. 3 Hours.
Emphasizes the history of drug abuse, theories, and controversies regarding chemical dependency, and multidisciplinary approaches to treatment. Prerequisite: PSY 111.

MHA 349. Psychopharmacology. 3 Hours.
An introduction to behavioral pharmacology, including the basics of pharmacology, psychology, and neuroscience needed to understand drugs of abuse. Prerequisites: PSY 111 and BIOL 115 or BIOL 220.

MHA 423. Introduction to Counseling. 3 Hours.
The course is designed to introduce students to the field of counseling, including the history, skills, and ethics involved in counseling. Students will also be exposed to different counseling theories, cultural issues related to counseling, and understand the steps involved from initial contact with the client to termination of treatment. Prerequisite: PSY 111.

MHA 424. Advanced Counseling. 3 Hours.
The course will build upon counseling theories and methods presented in the course "Introduction to Counseling". Students will be exposed to different treatment theories and methods designed to aid students in developing an integrated theoretical position of their own. The course emphasizes the treatment of addiction but the information and skills are applicable to mental health counseling in general. Practical counseling exercises and treatment documentation assignments provide students with necessary skill development. Daily course structure will be comprised of discussion and lectures. Students will need to be prepared for class ahead of time and be ready to discuss the material. Students will spend approximately six hours outside of class in the psychology clinic doing simulated diagnostic assessments and treatment sessions. Prerequisite: PSY 111.

MHA 476. Group Dynamics. 3 Hours.
The course focuses on studying methods of group therapy, understanding group dynamics, leadership, and ethics of group counseling. Group techniques and strategies will be taught with an emphasis on student developing a workable methodology of their own. Practical exercises in counseling will provide student with skill development. Students will role play group members and will lead simulated group sessions. Prerequisite: PSY 111.

MHA 485. Addiction Studies Practicum. 15 Hours.
Participation in the North Dakota consortia to provide experience in the addiction field. This is a 4.5 month, full time experience, where the student actively participates as an addiction counselor in training. Course restricted to psychology or addiction studies majors.

MHA 486. Addiction Studies Practicum. 15 Hours.
Participation in one of the North Dakota consortia to provide experience in the addiction field. This is the second part of the nine month practicum experience required for licensure as an addiction counselor. The course involves a 4.5 month, full time experience, where the student actively participates as an addiction counselor in training. Course restricted to psychology or addiction studies majors.

MUSC 099. Recitals/Concerts. 0 Hours.
This zero-credit course is a weekly gathering of all music majors, minors and faculty for performances and presentations on a variety of music topics related to private study, chamber music, professionalism, performance practices, and education. Outside of class, students are expected to attend recitals and concerts from the MSU Division of Music calendar. The final grade will be either Satisfactory (S) or Unsatisfactory (U).

MUSC 100. Music Appreciation. 3 Hours.
Designed for the non-music major, may be used as partial fulfillment of General Education requirement (CCS3). The student shall develop a broad knowledge of music from western civilization, from medieval chant to present day literature as well as skills in listening and writing about music.

MUSC 101. Fundamentals of Music. 2 Hours.
Designed for the non-major. The fundamentals of music are gained through studying music theory, reading music notation, playing recorder, ukulele, and keyboard instruments, and composing.

MUSC 102. Private Piano. 1-4 Hour.
Course restricted to majors. Repeatable for credit.

MUSC 103. Private Harpsichord. 1 Hour.
Course restricted to majors. Repeatable for credit.

MUSC 105. Women's Chorus. 1 Hour.
An auditioned touring performance choir open to all sopranos and altos on campus designed to cover a variety of literature both traditional and multi-cultural, specifically for treble voices. Students will explore music from a variety of eras and styles, connecting with one another outside of their respective majors while singing and performing the great treble choir repertoire.

MUSC 106. Private Organ. 1-4 Hour.
Repeatable for credit.

MUSC 108. Elective Private Study. 1 Hour.
Meant for non-music majors, this course allows for students to take 1.0 credit of private study in the area of their choice, with approval of the instructor and based upon available load.

MUSC 109. Elective Private Study. 0.5 Hours.
Meant for non-music majors and minors, this course allows for students to take 0.5 credits of private study in the area of their choice, with approval of the instructor and based upon available load.
MUSC 110. Audio/Video Technology. 1 Hour.
This course is designed to provide working knowledge of A/V hardware and software owned by the Division of Performing Arts and to gain experience operating the sound, lighting, and rigging systems in Ann Nicole Nelson Hall. As part of the course, students will serve as the booth worker for multiple events in ANNH and complete projects in multi-track recording, streaming, podcasting, and video production.

MUSC 111. Private Voice. 1-4 Hour.
Repeatable for credit.

MUSC 112. Diction for Singers I. 2 Hours.
Introduces rules, concepts and practice of proper pronunciation and articulation for singing in English and Italian using the International Phonetic Alphabet. Develops specific language skills necessary for solo vocal and choral singing and teaching.

MUSC 113. Diction for Singers II. 2 Hours.
Introduces rules, concepts and practice of proper pronunciation and articulation for singing in French and German using the International Phonetic Alphabet. Develops specific language skills necessary for solo vocal and choral singing and teaching. [Course offered ever spring semester.]
Prerequisite: Students must complete MUSC 112 before enrolling in this course.

MUSC 114. Western Plains Opera Production. 1 Hour.
The Western Plains Opera Production course will provide students a variety of opportunities for growth through both the performance and technical aspects of a fully-staged professional music production.

MUSC 115. Opera-Musical Production. 1 Hour.
Techniques of production and staging dramatic musical works, employing operas, scenes from operas, and musical theatre. Prerequisite: consent of instructor.

MUSC 116. Private Strings. 1-4 Hour.
Repeatable for credit.

MUSC 117. Private Guitar. 1-4 Hour.
Repeatable for credit.

MUSC 120. Concert Choir. 1 Hour.
A large auditioned touring performance choir made up of a diverse group of music majors and students from all over campus who sing the great a cappella and accompanied repertoire. Students will explore music from a variety of eras and styles, connecting with one another outside of their respective majors while singing and performing the great choral repertoire.

MUSC 121. Music Foundations Lab. 1 Hour.
This lab course is an additional support hour per week, required for students enrolled in MUSC 122 who have not yet passed the Music Foundations entrance exam.

MUSC 122. Musicianship I. 3 Hours.
The first of a four-semester sequence studying the language of music through notated, aural, and descriptive daily work. In this course, students will gain fluency in the foundational language of music theory; learn how to create music using a variety of traditional, improvised, and technological means; set foundations for music reading and dictation; apply musical terms in descriptive writing about music, both familiar and new.

MUSC 123. Musicianship Lab I. 1 Hour.
A co-requisite course, meant to support learning in MUSC 122 through daily performance exercises on keyboard, fretted instruments, and the in the primary area of study.

MUSC 124. Musicianship II. 3 Hours.
The second of a four-semester sequence studying the language of music through notated, aural, and descriptive daily work. In this course, students will develop their understanding of diatonic theory through traditional two- and four-part voice writing as well as composition and analysis of commercial and art-music styles; create music through a variety of traditional, improvised, and technological means; develop music reading and dictation; apply musical terms in descriptive writing about music, both familiar and new.

MUSC 125. Musicianship Lab II. 1 Hour.
A co-requisite course, meant to support learning in MUSC 124 through daily performance exercises on keyboard, fretted instruments, and the in the primary area of study.

MUSC 126. Private Brass. 1-4 Hour.
Repeatable for credit.

MUSC 127. MSU Singers. 1 Hour.
An auditioned and select touring performance chamber choir dedicated to the polyphonic, liturgical and non-liturgical music of the Renaissance and beyond. This ensemble offers students a unique opportunity to connect with one another outside of their respective majors while singing and performing the great choir repertoire.

MUSC 129. Private Composition. 1-4 Hour.
Instructor approval required. Repeatable for credit.

MUSC 131. Private Percussion. 1-4 Hour.
Repeatable for credit.
MUSC 133. Private Woodwinds. 1-4 Hour.
Repeatable for credit.

MUSC 144. Chamber Ensembles. 1 Hour.
Brass, String, Percussion, Woodwind, Keyboard, and Vocal students are welcome to join on approval of the instructor(s), either as an elective or in fulfillment of their Small Ensemble requirements.

MUSC 145. Percussion Ensemble. 1 Hour.
Rehearsals are arranged and membership subject to approval of director.

MUSC 150. Orchestra. 1 Hour.
The Minot Symphony Orchestra is a university-community organization. Open to qualified students upon approval of the conductor. The goals of the course are: to rehearse and perform works of the orchestral repertoire; to improve large ensemble playing skills; to gain knowledge of the different performance practice and styles.

MUSC 153. Collaborative Piano. 1-3 Hour.
Learning and application of collaborative piano skills. If not a piano major, passage of sophomore level piano proficiency exam or instructor consent is required.

MUSC 156. Concert Band. 1 Hour.
Ensemble consisting of woodwind, brass, and percussion instrumentalists dedicated to performance and artistic achievement at the highest level. Open to all students with prior experience performing on traditional woodwind, brass, or percussion instruments, subject to director approval.

MUSC 157. Jazz Ensemble. 1 Hour.
The Jazz Ensemble is the Division of Performing Arts' standard big band, rehearsing and performing material from the swing era to the present. Students learn specifics of big band performance practices, ensemble playing, and improvisation. Open to qualified students subject to approval of director.

MUSC 159. Functional Piano. 1 Hour.
Learning and application of basic functional piano skills for sophomore level music majors. Prepares students to proceed to MUSC 178 and subsequently pass the piano proficiency exam. Prerequisite: MUSC 125, and restricted to Music and Music Education Majors.

MUSC 160. Private Piano. 1-3 Hour.
Upper division private study.

MUSC 163. Music Theatre Studio. 1 Hour.
Performance of major roles of Musical Theatre in studio projects. Emphasis on the student's integration of singing, acting, and movement into a unified performance.

MUSC 165. Private Organ. 1-3 Hour.
Upper division private study.
MUSC 207. History of Pop and Rock Music. 3 Hours.
Music history is incomplete without an understanding of those transformational artists from the most recent century. Just as Bach, Beethoven, and Stravinsky wrote music that reflected and characterized their times, so Elvis Presley, Bob Dylan, The Beatles, and many more wrote and performed music that helps us understand the last 60+ years. Drawing on Pop & Rock music from the early 20th century to the present, this course will explore the social and historical underpinnings that inspired the music, the generations who identified with the artists and their unique sounds, and will give students tools and information to better analyze and understand the music that they love.

MUSC 211. Private Voice. 1-3 Hour.
Upper division private study.

MUSC 216. Private Strings. 1-3 Hour.
Upper division private study.

MUSC 217. Private Guitar. 1-3 Hour.
Upper division private study.

MUSC 222. Music Theory III. 3 Hours.
An exploration of music innovations from the late-19th through mid-20th centuries: non-functional tonal harmony, modes of the diatonic scale and alternatives to diatonic scales such as the acoustic collection, whole tone scale, octatonic scale, Messianic modes of limited transposition, set theory, serialism, and indeterminacy. A closer look at domains of music other than pitch in analysis: rhythm, timbre, texture, dynamics, and form.

MUSC 223. Aural Skills III. 1 Hour.
The third of a four-semester sequence in ear-training, sight-singing, rhythmic reading and dictation. Though minimum exam levels are established for passage of each semester, students are allowed to work at their own pace and encouraged to progress as far as they can.

MUSC 224. Music Theory IV. 2 Hours.
The summative course in the four-semester theory sequence, this course is intended as both a comprehensive look at applied music theory and an introduction to 18th century counterpoint.

MUSC 225. Aural Skills IV. 1 Hour.
The last of a four-semester sequence in ear-training, sight-singing, rhythmic reading and dictation. Though minimum exam levels are established for passage of each semester, students are allowed to work at their own pace and encouraged to progress as far as they can.

MUSC 226. Private Brass. 1-3 Hour.
Upper division study.

MUSC 229. Private Composition. 0.5-4 Hour.
Instructor approval required. Repeatable for credit. Prerequisite: MUSC 122, 124, 222, and music majors of junior and senior status.

MUSC 231. Private Percussion. 1-3 Hour.
Upper division private study.

MUSC 233. Private Woodwinds. 1-3 Hour.
Upper division private study.

MUSC 250. Basic Conducting. 2 Hours.
Basic Conducting is a course designed to help student musicians acquire introductory conducting skills and the knowledge needed to pursue advanced training in conducting. Typically taken in the Sophomore year, this course has a pre-requisite of MUSC 124.

MUSC 259. Introduction to Music History. 3 Hours.
Survey of the history and traditions of western civilization through its music. Students will focus on the musical content and trace developmental trends through the common periods of music history. This course is restricted to music majors and meets MSU General Education areas FC1 and CCS3.

MUSC 292. Music Curriculum, Planning, and Assessment K-12. 2 Hours.
Music Curriculum, Planning, and Assessment K-12 is a course designed to guide music education majors through the process of developing sequential curricula in K-12 school music programs. Students will also acquire methods and develop strategies to effectively plan, deliver, and assess instruction in music classrooms.

MUSC 299. Special Topics. 1-8 Hour.

MUSC 301. Music Methods for the Elementary Teachers. 2 Hours.
This methods course for the classroom teacher builds knowledge and skills for integrating music and movement into the elementary curriculum. Prerequisites: MUSC 101 or MUSC 121 and Admittance to Teacher Education.

MUSC 305. Musical Theatre History. 3 Hours.
History of Musical Theatre, primarily focusing on American Musical Theatre, from its defining influences and roots to the present. Topics to be covered include significant productions, composers, lyricists, librettists, choreographers, directors, designers, and actors.

MUSC 306. Music History and Literature I. 3 Hours.
This course will develop the students’ knowledge of Western Civilization through its musical history and literature dating from ancient Greece to 1750. Students will focus on analytical and listening skills to further their understanding of musical styles.
MUSC 307. Music History and Literature II. 3 Hours.
This course will develop the students' knowledge of Western Civilization through its musical history and literature dating from 1750 to the present. Students will focus on analytical and listening skills to further their understanding of musical styles.

MUSC 325. Vocal Pedagogy. 3 Hours.
This course explores topics relating to healthy approaches in the development of successful singing. Attention will focus on the post-puberty voice. Students will become familiar with current and historical leaders in the field of voice teaching and research, and develop skills in IPA (International Phonetic Alphabet). Students will develop diagnostic skills through listening to singing examples, and will learn to customize vocalizes to address the needs of the singer. Prerequisites: Restricted to majors or consent of instructor.

MUSC 330. Voice Methods. 1 Hour.
A practical class involving the playing and techniques of teaching the bowed, orchestral string instruments (violin, viola, cello, and string bass) at the elementary level. Teaching materials and string pedagogy are also considered.

MUSC 332. Woodwind Methods. 1 Hour.
The purpose of this course is to give the student an introduction to the techniques of playing and teaching woodwinds. Teaching methods, proper playing position, embouchure, common problems and errors made by students, equipment, maintenance and repair of the instruments, and both pedagogical and performance literature will be presented.

MUSC 334. Percussion Methods. 1 Hour.
Techniques and methods of playing and teaching percussion.

MUSC 337. Chamber Music Literature. 2 Hours.
Students will develop their knowledge of the chamber music repertoire through survey and analysis.

MUSC 339. Advanced Conducting. 2 Hours.
Objectives of this course are developing and refining gestures which convey musical meaning, to refine interpretive skills, and to develop an ability to critique and improve one's own conducting. Prerequisites: Restricted to students who are music majors with junior or senior status.

MUSC 336. Instrumental Jazz Improvisation I. 2 Hours.
Study of the utilization and translation of basic musical elements such as scales, mixolydian modes, dominant seventh chords, rhythm, form, and melody into an individually creative jazz performance. Open to all instruments including strings.

MUSC 380. Junior Seminar I. 1 Hour.
The first of a two-semester-sequence meant to build upon the Sophomore Screening process, following up student essays on professional goals and interests with a guided exploration of those aspirations: designing a website, arranging or writing music, creating a podcast, starting a concert series, fund-raising, teaching lessons, grant-writing, conducting research, and more. Students will work independently on their own projects under the guidance of faculty. This goal of the first semester is to explore multiple options, identifying a specific project or projects for continued work in MUSC 381. Must have junior or senior status and be a Music major.

MUSC 381. Junior Seminar II. 1 Hour.
The second of a two-semester-sequence meant to help students explore personal interests and develop their professional identity. Following up on projects identified as part of MUSC 380, students will spend this semester working independently on professionally-applicable projects under the guidance of faculty. Prerequisite: MUSC 380 and have junior or senior status. Prerequisite: MUSC 380 and junior or senior status.

MUSC 390. Instrumental Methods in Secondary Education. 3 Hours.
Instrumental Methods in Secondary Education is a course designed to prepare music education majors to teach instrumental music (band/orchestra) in middle school and high school settings. In addition to studying various pedagogical approaches to teaching instrumental music in schools, students will observe and reflect on professional teaching practices, create professional documents, and experience teaching in the secondary school setting through practicum experiences.

MUSC 391. Choral Methods in Secondary Education. 3 Hours.
Examination of and practice with methods, philosophies, musical content, and curriculum for teaching choral skills in secondary choral settings.

MUSC 392. Elementary Music Methods. 3 Hours.
Elementary General Music Methods and Materials skills, knowledge, methods, and materials needed for successful teaching in the elementary general music setting. Prerequisites: MUSC 224 and admission to Teacher Education.

MUSC 397. Elementary Music Field Experience. 1 Hour.
This course works in conjunction with MUSC 392. Thirty hours of observation/teaching experience in an elementary music classroom, applying and practicing methods and materials derived in Music 392. Prerequisites: MUSC 224 and admission to Teacher Education.
MUSC 442. Piano Pedagogy. 3 Hours.
Learning and application of piano teaching methods and applied music instruction management. Prerequisite: Passage of sophomore level piano proficiency exam.

MUSC 480. Senior Project. 1-2 Hour.
Capstone project representing accomplishment in designated applied study area. Music majors pursuing a Performance Concentration should take MUSC 480 for 2 credits.

MUSC 494. Independent Study Honors Music. 1-8 Hour.

MUSC 499. Special Topics. 1-8 Hour.

NURS 221. Pre-Professional Development. 1 Hour.
Facilitates the development of professional behaviors, roles, and responsibilities. Provides opportunity for professional development, community service, and continuing education. Nursing elective graded pass/fail. Guidelines available through Department of Nursing. Prerequisite: Pre-nursing or nursing major.

NURS 222. Math For Meds. 1 Hour.
Enables the student to develop calculation skills, using the dimensional analysis technique, to safely calculate and administer medications.

NURS 235. Nursing Perspectives. 3 Hours.
Focuses on introductory concepts of the discipline of professional nursing. Open to the general university student. CS = 45*.

NURS 235. Nursing Foundations. 5 Hours.
Applies basic theoretical concepts to professional nursing in appropriate practice settings. Prerequisites: Admission to nursing. CS = 60; C/L = 90*.

NURS 264. Health Assessment. 4 Hours.
Applies methods required for a nursing health assessment in classroom and laboratory setting. Prerequisites: Admission to nursing. CS = 45; C/L = 45*.

NURS 299. Special Topics. 1-4 Hour.

NURS 325. Adult Health I. 5 Hours.
Focuses on nursing care of adults experiencing common, chronic and/or progressive health problems with predictable outcomes in selected body systems, including concepts of absorption, oxygenation, digestion, regulation, perfusion, cell injury and inflammation, altered immune responses, and perioperative principles. Principles and practices of intravenous therapy are applied to the adult client. Concepts important in understanding health and illness in the elderly are included. Clinical experiences occur in laboratory, medical/surgical areas, simulation and perioperative settings. Prerequisites: Admission to nursing. CS = 45; C/L = 90*.

NURS 335. Adult Health II. 5 Hours.
Focuses on nursing care of adults, who experience common, chronic and/or progressive health problems in selected body systems. Concepts of sensation, elimination, regulation, perfusion, movement/coordinating, perceptual dysfunction, and abnormal cell growth are included. Concepts important in understanding health and illness in the elderly are included. Principles and practices of intravenous therapy are applied to the adult client. Clinical experiences occur in the laboratory, medical/surgical areas, and rehabilitation settings of the hospital. Prerequisites: Admission to nursing. CS = 45; C/L = 90*.

NURS 344. Child Health Nursing. 4 Hours.
Applies theories, concepts and competencies in providing nursing care for infants, children, and adolescents within families. Clinical experiences will occur in a variety of settings. Prerequisites: Admission to nursing. CS = 30; C/L = 45*.

NURS 345. Psychiatric Mental Health Nursing. 4 Hours.
Applies psychosocial concepts and theories in psychiatric-mental health nursing within a nursing process framework for care of persons with mental health conditions. CS = 30; C/L = 90. Prerequisites: Student must complete NURS 325, 335, PSY 270 and be admitted into the nursing program before enrolling in this class.

NURS 361. Women’s Health. 1 Hour.
Apply current theories and concepts in women's health and health practices within families. Prerequisite: Restricted to students who are admitted into the nursing program.

NURS 363. Nursing Theory and Research. 3 Hours.
Surveys contribution of theory and research to the development of the discipline of nursing. Focuses on nursing theories, conceptualizations, and research utilization for decision making within professional nursing. Prerequisite: Admission to nursing. CS = 45*.

NURS 364. Maternal Newborn Nursing. 4 Hours.
Applies current theories, concepts and competencies in evidence based maternal-newborn nursing. Provides experiences in caring for women, childbearing, families and newborns in the hospital, clinic and community. Compares the nursing roles in maternal-newborn nursing. CS = 30; C/L = 90. Prerequisite: Student must have completed NURS 335 prior to enrolling in this class.

NURS 383. Professional Nursing I. 3 Hours.
Professional Nursing I introduces the student to the nature of baccalaureate nursing, including the Department of Nursing Philosophy and curricular concepts. Students explore various nursing roles and theories in a variety of traditional and nontraditional settings. Prerequisite: acceptance into BSN program.
NURS 397. Nursing Internship. 3-6 Hour.
Fostering development of clinical nursing skills and decision making in approved health care agencies. Guidelines available through Department of Nursing. Prerequisite: admission to nursing. One semester credit hour = minimum of 45 hours of clinical study. Prerequisite: NURS 335.

NURS 399. Independent Study General Nurs. 1-4 Hour.

NURS 421. Nursing Leadership Development. 1 Hour.
Provides opportunities to implement leadership skills in professional roles and community service. Promotes activities in professionalism, continuing education, and networking. Guidelines available through Department of Nursing. Prerequisites: NURS 256 and 264; and admission to nursing.

NURS 456. Public Health Nursing. 5 Hours.
Demonstrates population-focused community-oriented nursing through the synthesis of nursing theory and public health theory applied to promoting, preserving and maintaining the health of populations and grounded in social justice. Provides experience in a variety of urban, rural, and frontier community settings. Prerequisite: NURS 344,354,361 and 364. Admission to nursing. CS = 45; C/L = 90°.

NURS 457. Public Health for the Professional Nurse. 5 Hours.
Demonstrates population-focused community-oriented nursing through the synthesis of nursing theory and public health theory applied to promoting, preserving and maintaining the health of populations and grounded in social justice. Provides experience in a variety of urban, rural, and frontier community settings. Prerequisite: NURS 363 and 383. Admission to BSN Completion Program. CS = 45; C/L = 90°.

NURS 464. Adult Health III. 5 Hours.
Focuses on advanced nursing care of adults experiencing acute, complex, and potentially unstable illnesses and injuries. Concepts, principles, and theories relating to adaptation and life support management of regulatory systems are included. Clinical experiences include laboratory simulation and life system support settings, including critical care areas, dialysis, and emergency/trauma services. Prerequisite: Admission to nursing and senior status. CS = 45; C/L = 90°.

NURS 471. Nursing Review. 1 Hour.
Provides a systematic review of essential nursing content required for licensure. Prerequisites: Student must complete NURS 456 and NURS 464 before enrolling in this class.

NURS 472. Trends and Issues. 2 Hours.
Evaluates current issues and trends impacting upon professional nursing practice. Introduces strategies to empower nurses for professional nursing with emphasis on legal, ethical and political economic frameworks, career management; health care policy. Prerequisites: Admission to nursing and faculty approval. CS = 30°.

NURS 473. Nursing Leadership & Management. 3 Hours.
Analyzes theories and concepts of leadership and management for the professional nurse in dynamic nursing care delivery systems. Prerequisite: Admission to nursing. CS = 45°.

NURS 483. Professional Nursing II. 3 Hours.
Professional Nursing II will provide the student with an opportunity to examine professional nursing in a changing health care delivery system including the current and future focus of nursing care. Prerequisite: Acceptance into RN to BSN completion program.

NURS 493. Professional Nursing III. 3 Hours.
This integrative capstone course provides the student opportunity to design and implement a project in collaboration with faculty by integrating leadership and management concepts into nursing practice in a health care system. Prerequisite: acceptance into RN to BSN completion program.

NURS 494. Independent Study Honors Nurs. 1-8 Hour.

NURS 496. Study Abroad. 1-6 Hour.
Provides opportunities for MSU faculty-led study trips to appropriate locations. Focuses on becoming more culturally knowledgeable about global health care by immersion in a nursing culture of a different country. Will include additional requirements beyond travel itself. May be repeated for credit for different countries.

NURS 497. Nursing Practicum. 6 Hours.
Integrates management concepts in clinical nursing practice in selected health care systems with the collaborative guidance of faculty and clinical preceptors. Prerequisites: Admission to nursing. C/L = 270°.

NURS 499. Special Topics In Nursing. 1-8 Hour.

PHIL 100. Critical Thinking. 3 Hours.
The study of effective thinking, both logic and evaluative.

PHIL 101. Introduction to Philosophy. 3 Hours.
Basic problems, concepts, and methods of philosophy.

PHIL 102. Philosophy of Human Nature. 3 Hours.
Focuses on what it means to be a human being and the so-called "nature-nurture controversy.".

PHIL 201. Philosophy of Religion. 3 Hours.
A critical examination of the reasonability of religious belief. The existence of God, the problem of evil, and other topics will be discussed.
PHIL 210. Ethics. 3 Hours.
A study of traditional concepts in ethical theory and moral reasoning.

PHIL 299. Special Topics In Philosophy. 1-8 Hour.

PHIL 322. Business Ethics. 3 Hours.
Business Ethics is a detailed examination of how the world of business intersects with important ethical issues. The course will address all of (but not limited to) the following: 1) The nature of business ethics. 2) An examination of the leading theories of ethics. 3) Examine what is known as Ethics in the Marketplace. 4) Discuss the relationship of ethics to environmental issues. 5) Look at ethical issues involving both consumers and manufacturers. 6) Become familiar with issues surrounding job discrimination. Numerous cases/examples from the real world will be interwoven along the way. The student will be challenged to both understand ethical theories and to more fully understand how such theories might be applied to real life business situations.

PHIL 330. Political Philosophy. 3 Hours.
This course examines the basic principles and features of the major political philosophies and systems of government.

PHIL 355. The Enlightenment. 3 Hours.
The course is a general overview of the historical, cultural, political and philosophical elements of European Enlightenment. Topics covered included but are not limited to the following: the rise of science, the roles of reason, the attack on "tradition" and the development of Democracy and human rights.

PHIL 380. Existentialism. 3 Hours.
A careful examination of major existentialist thinkers (Kierkegaard, Nietzsche, Sartre, etc.) and dominant existential themes: alienation, mortality, the meaning of life, and God.

PHIL 383. Asian Philosophy. 3 Hours.
A critical examination to the leading eastern worldviews: Buddhism, Hinduism, Confucianism, Taoism, and the eastern views.

PHIL 394. Advanced Philosophy. 3 Hours.

PHIL 399. Independent Study General Phil. 1-4 Hour.

PHIL 494. Independent Study Honors Phil. 1-8 Hour.

PHIL 499. Special Topics In Philosophy. 1-8 Hour.

PHYS 105. Physical Science by Inquiry. 4 Hours.
In this course students will be involved in an in-depth inquiry-based exploration of basic principles of physical science which are often taught in elementary school. It covers topics of properties of matter, light and color, electric circuits, and kinematics. Inquiry based units are supplemented with material on the history of scientific development.

PHYS 110. Astronomy. 4 Hours.
A study of the universe that begins with the earth as a planet, the planets and the satellites of our solar system, and moves out through stellar astronomy to galaxies and into the very fabric of the universe. It includes an evaluation of the methods and techniques of astronomy. Offered fall semester. Both day and night laboratories. Lecture, 3 hours; laboratory, 2 hours.

PHYS 110H. Honors Astronomy. 4 Hours.
A study of the universe that begins with the earth as a planet, the planets and the satellites of our solar system, and moves out through stellar astronomy to galaxies and into the very fabric of the universe. Evaluation of the methods and techniques of astronomy. Explicit training in use of the full spectrum of the MSU observatory equipment. Offered fall semester. Both day and night laboratories. Lecture, 3 hours; laboratory, 3 hours. Prerequisite: Honors program admission or 3.30 cumulative GPA and permission of instructor.

PHYS 211. College Physics I. 4 Hours.
Elementary laws and principles of mechanics and fluids. Lecture, 2 hours; laboratory, 2 hours; recitation, 2 hours. Prerequisite: MATH 103.

PHYS 212. College Physics II. 4 Hours.
Elementary laws of electricity and magnetism, optics, and modern physics. Lecture, 2 hours; laboratory, 2 hours; recitation, 2 hours. Prerequisite: PHYS 211.

PHYS 221H. Honors General Physics I. 5 Hours.
Newton's Laws; work and energy; impulse and momentum; angular momentum; oscillations; gravity; wave motion; thermodynamics. Emphasis on sophisticated quantitative reasoning, order of magnitude estimation, in-depth application of calculation, and physical underpinnings of other sciences and technology. Lecture, 3 hours; Laboratory, 2 hours; recitation, 2 hours. Prerequisite: Math 165 and admission to the honors program or 3.30 cumulative GPA and permission of instructor.

PHYS 222H. Honors General Physics II. 5 Hours.
Electricity; Gauss' laws and potential difference; magnetism; Maxwell's equations; optics; introduction to modern physics. Emphasis on sophisticated quantitative reasoning, order of magnitude estimation, in-depth application of calculus, and physical underpinnings of other sciences and technology. Lecture, 3 hours; laboratory, 2 hours; recitation, 2 hours. Corequisite: Math 166 Prerequisite: Honors program admission.

PHYS 251. University Physics I. 5 Hours.
Newton's Laws; work and energy; impulse and momentum; angular momentum; oscillations; gravity; wave motion; thermodynamics. Lecture, 3 hours; laboratory, 2 hours; recitation, 2 hours. Corequisite: MATH 165.
PHYS 252. University Physics II. 5 Hours.  
Electricity; Gauss' laws and potential difference; magnetism; Maxwell's equations; optics; introduction to Modern Physics. Lecture, 3 hours; laboratory, 2 hours; recitation, 2 hours. Prerequisite: PHYS 251. Corequisite: MATH 166.

PHYS 299. Special Topics. 1-8 Hour.

PHYS 394. Independent Study General Phys. 1-4 Hour.

PHYS 494. Independent Study Honors Phys. 1-8 Hour.

PHYS 499. Special Topics. 1-8 Hour.

POLS 115. American Government. 3 Hours.  
Principles of American government, political behavior, institutions.

POLS 116. State and Local Government. 3 Hours.  
Structures, politics, and behavior in state and local governments.

POLS 220. International Politics. 3 Hours.  
The study of how different governments of the world interact. Topics covered include theories and models related to international conflict and consensus; world, regional, and non-governmental international organizations; diplomacy; and political interaction between nations.

POLS 275. Contemporary Community Issues. 3 Hours.  
This course is designed to develop your understanding of the different communities you are a member of and the issues facing them in the 21st century. Drawing on theories and concepts from various disciplines, we will expand on how communities and the issues associated with them are defined, constructed and addressed at multiple levels of society. Specifically, we will examine various political and social issues facing our communities including but not limited to: crime, ecology, inequalities, health care and the family. We will also set those issues in their larger state, national and global context, address the impact of that context and the proposed possible outcomes for the future.

POLS 299. Special Topics. 1-6 Hour.

POLS 375. Contemporary Political Issues. 3 Hours.  
This course is designed to develop your understanding of the larger political world and the issues facing it in the 21st century. Drawing on theories and concepts from various disciplines, we will expand on how political issues are defined, constructed and addressed at multiple levels of society. Specifically, we will look at various political issues and policies facing the United States, including but not limited to: crime, ecology, inequalities, health care and the family. We will also set those issues in their larger global context, address the impact of that context and the proposed possible outcomes for the future.

POLS 394. Independent Study General Ps. 1-4 Hour.

POLS 425. Society and the Graphic Novel. 3 Hours.  
Graphic Novels - like any form of social commentary - has a history of addressing the issues and social changes of the day. This course will take critical look at how the Graphic Novels have addressed the social, issues today and historically. Topics included but are not limited too: gender, race, sexuality, politics, and religion. Drawing on primary source materials and analytical texts, the course examines not only society is reflected in Graphic Novels, but also how Graphic Novels impact larger social discussions.

POLS 451. Political Sociology. 3 Hours.  
Political sociology broadly conceived is the study of power and domination in social relationships to include the relationship between state and society. The course draws upon comparative history to analyze socio-political trends and thereby includes the analysis of the family, the mass media, universities, trade unions, etc. A typical research question might, for example, be: what factors explain why so few American citizens choose to vote.

POLS 494. Independent Study Honors Ps. 1-8 Hour.

POLS 499. Special Topics In Political Sci. 1-6 Hour.

POLS 95. Political Science Experience. 0 Hours.  
Political Science Experience provides students with a diverse selection of applied experiences to gain more critical understand of a variety of political and cultural topics at all levels - International, National, State and Local. The experience requires students to actively engage in the political process - broadly defined. It is designed to fulfill the IP2 requirements of General Education.

PSY 111. Introduction to Psychology. 3 Hours.  
A survey of the scientific study of behavior and mental processes. Topics studied include development of normal and abnormal behavior, learning, biopsychology, development, memory, personality, cognition, therapy, and social psychology. This course is a prerequisite to most other psychology courses.

PSY 112. Foundations of Psychology. 3 Hours.  
Designed for psychology and addiction studies majors, this course will emphasize the tools necessary to advance in these fields. Prerequisites: Students must complete PSY 111 before enrolling in this class, and declare a major in Psychology or Addiction Studies.
PSY 241. Introduction to Statistics. 4 Hours.
This course examines basic concepts in measurement, scaling, descriptive statistics, binomial and normal distribution, applied probability, and z-scores. In addition, this course introduces inferential statistics and hypothesis testing, including t-test, analysis of variance, correlation and linear regression, and the chi-square test statistic. Basic software applications will also be examined. Prerequisites: ASC 093 with a C or better, or qualifying math placement test score, or ACT math sub-test score of 21 or higher. Required co-requisite PSY 241L if ACT math sub-test score is 18-20 or qualifying pre-algebra math placement test is 60-78.

PSY 241L. Introduction to Statistics Lab. 1 Hour.
Introduction to Statistics level lab provides students in PSY 241 with an extended experience in a lab setting working on statistical skills. Lab meets 2 hours per week. This class is S/U. Required co-requisite to PSY 241 if ACT math sub-test score is 18-20. Withdrawing from this class will also withdraw you from PSY 241.

PSY 242. Research Methods in Psychology. 4 Hours.
A study of the scientific methods as it is used in the investigation of problems in psychology. A variety of types of research methodologies, as well as the advantages and disadvantages of their use. Ethical implications of the use of various methodologies will also be discussed. Prerequisites: PSY 241, Math 210, or departmental approval.

PSY 252. Child Psychology. 3 Hours.
Overview of theories of human development from conception through childhood including physical, cognitive, language, social, and self-help skills in family, school, and community settings. Prerequisite: PSY 111.

PSY 255. Child & Adolescent Psychology. 3 Hours.
Overview of theories of human development from conception through adolescence including the physical, cognitive, language, social, and educational aspects. Prerequisite: PSY 111.

PSY 261. Psychology of Adjustment. 3 Hours.
This course will present psychological research about improving adjustment and overall quality of life. Factors affecting adjustment include gender, personality, self-esteem, ability to communicate effectively, health, experience of stress, changes with aging, and coping processes. Factors also include things like social influence and pressure, relationships with others, career preparation, work, and stages of life. The desired outcome is for students to use this knowledge to actively take charge of their own lives, effectively adjusting to an ever-changing world. Prerequisite: PSY 111.

PSY 270. Abnormal Psychology. 3 Hours.
A survey of the classification, symptoms, and etiology of psychological disorders. Prerequisite: PSY 111.

PSY 299. Special Topics In Psychology. 1-8 Hour.
Election of a topic and a course of study. Must be approved by a psychology staff member and the psychology chair. Student must be a psychology major and have 12 semester credits.

PSY 313. Industrial Organizational Psychology. 3 Hours.
This course will examine human behavior in industrial and organizational settings. Psychological principles are applied to selection, placement, and training. The effectiveness of individuals and groups within organizations, including leadership and control, conflict and cooperation, motivation, and organizational structure and design, is examined. Prerequisite: PSY 111.

PSY 352. Adolescent Psychology. 3 Hours.
Study of physical, cognitive, emotional, social, and behavioral parameters of adolescence from preteen to young adulthood. Prerequisite: PSY 111.

PSY 365. Evolutionary Psychology. 3 Hours.
Examines the important aspects of human behavior as it is explained as a result of natural selection. The course will focus on a number of topics including sex differences, mate selection, selfishness and altruism, homicide and violence. Prerequisite: PSY 111.

PSY 375. History & Systems of Psychology. 3 Hours.
Examines the historical development of the science of psychology. Special emphasis is placed upon cultural context and its influences on the developing systems of psychology. Prerequisite: PSY 111.

PSY 376. Social Psychology. 3 Hours.
An interdisciplinary approach to the study of behavior of individuals in relation to social stimulus situation. Prerequisite: PSY 111.

PSY 379. Psychology of Adulthood & Aging. 3 Hours.
Overview of theories of human development from young adulthood through old age focusing on demands of personal adjustment, family, work, retirement, and community life. Prerequisites: PSY 111 and PSY 255.

PSY 394. Independent Study General Psych. 1-4 Hour.
Election of a topic and a course of study. Must be approved by a psychology staff member and the psychology chair. Student must be a psychology major and have 12 semester credits.

PSY 410. Cognitive Psychology. 3 Hours.
Examines the research dealing with the processing of sensory information, attention, short term and long term memory, decision making and problem solving, as well as related topics. Prerequisite: PSY 111.

PSY 411. Introduction to Personality Theories. 3 Hours.
Examines the basic concepts of personality development as viewed by the psychoanalytic, learning, humanistic and trait-type theorists. Special emphasis is placed on the comparison of various perspectives. Prerequisite: PSY 111.
PSY 413. Theories & Practice of Psychotherapy. 3 Hours.
Aimed at the development of a balanced view of the major concepts of various therapies and an awareness of practical applications and implementation of techniques used by the various therapists. Prerequisite: PSY 111.

PSY 435. Theories of Learning. 3 Hours.
Examines the basic concepts of learning theory as viewed by the more prominent theorists in the area. Emphasis is placed on the comparison of the various perspectives within historical contexts. Prerequisite: PSY 111.

PSY 460. Sensation and Perception. 3 Hours.
Focus on the principles of our sensory systems and the laws which govern the sensory processes. The course includes research and theories on the visual system, auditory system, chemical senses, and the skin senses. Prerequisites: PSY 111 and BIOL 115 or BIOL 220.

PSY 465. Introduction to Behavioral Neuroscience. 3 Hours.
An introduction to the neuroanatomical and neurophysiological bases of behavior, including learning, reinforcement, eating and drinking, sleep, sexual behavior, and mental disorders. Prerequisites: PSY 111 and BIOL 115 or BIOL 220.

PSY 473. Behavior Modification. 3 Hours.
Description of behavioral principles and procedures for assessment and treatment that can be used helping professionals to enhance behavioral development. Class projects are required. Prerequisite: PSY 111.

PSY 491. Senior Seminar in Psychology. 3 Hours.
Overview of psychology as a discipline and a synthesis of biological and psychological factors in human behavior. Prerequisites: PSY 111, PSY 241 or MATH 210, senior status, psychology major, and must have completed all Psychology core courses.

PSY 494. Directed Behavioral Research. 1-4 Hour.
This course provides students with the practical applications of research designs. Although a resulting publication is not required for the course, it is desired outcome. Students will need to work with a faculty Sponsor on a specific research project.

PSY 495. Service Learning. 3 Hours.
This course provides students with the ability to work in meaningful community service coupled with instruction about the service and reflection on their service. Prerequisite: Students must be psychology majors in their junior or senior year before enrolling in this course.

PSY 496. Senior Research Thesis. 3 Hours.
Students will formulate an original research topic and write a paper in that topic. Restricted to psychology majors and senior status.

PSY 497. Psychology Practicum. 3 Hours.
Placement in an applied setting for practical experience. Prerequisite: Students must be a psychology major in their junior or senior year before enrolling in this class.

PSY 499. Special Topics In Psychology. 1-8 Hour.

RAD 102. Introduction to Radiologic Technology. 1 Hour.
Designed to acquaint first-year student (freshman) radiologic technology students with the depth and breadth of this field. Students visit the radiology department of a local hospital. The course is presented by the education coordinator of a local school of radiologic technology. Lecture, 1 hour.

RAD 405. Radiologic Technology Clinical. 1-15 Hour.
Students spend 24 months in a hospital environment. Education includes both didactic and clinical studies. Restricted to students who have been admitted to the Radiologic Technology degree program.

SCI 120. Plant Products Seminar 1. 1 Hour.
Introduction to the botanical plant products industry. Topics include an introduction to the field, laws and regulations, technology and methods, career opportunities and ethics. Students will participate in reviews of relevant literature, group discussions, guest lectures from industry leaders, and/or field trips. Lecture, 1 hour.

SCI 220. Plant Products Seminar 2. 1 Hour.
A continuation of SCI 120, looking more deeply into various aspects of the botanical plant products industry. Students will participate in reviews of relevant literature, group discussion, guest lectures from industry leaders, and/or field trips. Lecture, 1 hour. Prerequisite: SCI 120.

SCI 240. Research Methods. 2 Hours.
This course will introduce students to library skills, computer skills and communication skills used to plan and carry out research projects. Students will search for, read, and discuss journal articles; write and edit project proposals; and learn basic data management and analysis skills. Prerequisite: sophomore, junior, or senior status.

SCI 299. Special Topics. 1-8 Hour.

SCI 301. Biogeochemical Cycles. 3 Hours.
A broad overview of global biogeochemical process, including the origin of elements. Earth evolution, evolution of biogeochemical cycles, biogeochemical cycles of major elements such as carbon, nitrogen, phosphorous, and sulfur, cycles of select trace elements, interactions of biogeochemical cycles, biogeochemistry of various ecosystems, and environmental biogeochemistry. Lecture, 3 hours. Prerequisite: Student must take BIOL 127, CHEM 127, or GEOL 127 before enrolling in this course.
SCI 391. Teaching Science in Secondary Schools. 3 Hours.
Study of science teaching in middle school and high school grades with emphasis on clinical experience. Basic techniques for all disciplines are individualized in practice. Emphasis on teaching an investigative approach to science. Prerequisite: Admission to Teacher Education.

SCI 394. Independent Study General Sci. 1-4 Hour.

SCI 426. Elementary Science Methods. 4 Hours.
Study of basic concepts of science within a framework of elementary school teaching methodology. Interpretation of science content, learning theory, curriculum approaches, instructional strategies, and lesson planning are emphasized. Includes extensive clinical experience. Lecture, 4 hours. Prerequisite: Admission to Teacher Education and ED 320. Corequisites: ED 320, 421, 422, 423, 424.

SCI 480. Seminar. 3 Hours.
Students present and discuss original student research project in both written and oral forms. To enroll, students must have completed their research and must have written the Introduction, Methods, and Results components of the research paper. Time in this course is also dedicated to a review of fundamental aspects of the discipline of their major and successful completion of a comprehensive exam. Prerequisites: senior status; and 2 credits of CHEM 494 or GEOL 494, or permission of instructors.

SCI 494. Independent Study Honors Sci. 1-8 Hour.

SCI 499. Special Topics. 1-8 Hour.

SCI 95. Interconnecting Perspectives in Science. 0 Hours.
Science 095 examines how to present important scientific concepts to students from a diversity of backgrounds including different cultures, different learning styles, different ages, different genders, different physical abilities and different intellectual abilities.

SOC 110. Introduction to Sociology. 3 Hours.
An introduction to the basic insight, concepts, theories and methods of the discipline. The course encourages students to think critically, to apply sociological knowledge, and to develop a global perspective. Topics for discussion include culture, social interaction, deviance, sexuality, stratification, race relations, gender, family, economics, politics, technology, and social change. SOC 110 is a prerequisite for all 300 and 400 level SOC courses.

SOC 200H. Idea of Society. 3 Hours.
The idea of society is perhaps one of the most difficult abstractions in our repertoire. This course introduces the student to various perspectives that seek to explain both the historical and contemporary meaning of society. Honors Program admission or 3.30 cumulative GPA and permission of the instructor is required.

SOC 201. Social Problems. 3 Hours.
A sociological analysis of major social problems.

SOC 202. Popular Culture & Society. 3 Hours.
A sociological focused introduction to Popular Culture and its place in society and the social structure. Major theories and subjects of the study of popular culture will be addressed. The course offers a range of theoretical and methodological approaches to considering producers, audiences and meanings of the culture of everyday life in a variety of historical and cultural contexts.

SOC 236. Sociology of Sport. 3 Hours.
Sports are a large part of social life in the U.S. and around the world. People grow up playing sports and/or spend countless hours watching them. This course focuses on how the world of sports is a microcosm of society and an arena through which we can understand more about our society's dynamics, values, and problems. The course covers a broad range of historical and contemporary sports issues through a sociological lens. Focus will be given to the intersections between sports and topics such as gender, race, inequality, health, politics, economics, culture, and more. The overarching theme of the course is to understand the complex, interconnected relationship between sports and society.

SOC 255. Diversity in Families. 3 Hours.
An introduction to diverse family issues and concerns in global perspective. The course examines the changing functions, patterns and structures of the family as a major social institution. Topics include changing patterns of dating, mate selection, cohabitation, marriage, dual career families, adoption, divorce, and remarriage.

SOC 269. Culture and Sexuality. 3 Hours.
This course will examine ethical, cultural, psychological, social, and political issues related to sexual relationships and sexual behavior. Specific issues covered include sexual consent and sexual responsibility; harassment and freedom of speech; privacy; censorship and pornography; impact of media on sexual relationships; and university and governmental regulation of intimate relationships, such as interracial relationships and student-professor relationship. Prerequisite(s): SOC 110 or SOC 200H.

SOC 275. Contemporary Community Issues. 3 Hours.
This course is designed to develop your understanding of the different communities you are a member of and the issues facing them in the 21st century. Drawing on theories and concepts from various disciplines, we will expand on how communities and the issues associated with them are defined, constructed and addressed at multiple levels of society. Specifically, we will examine various political and social issues facing our communities including but not limited to: crime, ecology, inequalities, health care and the family. We will also set those issues in their larger state, national and global context, address the impact of that context and the proposed possible outcomes for the future.

SOC 278. Social Research Methods. 3 Hours.
Study of the basic methods of empirical social science research. Topics include techniques and theory of research design, formulating and testing hypotheses, measurements, sampling, modes of observation, data management, and elementary data analysis.
SOC 280. Social Movement & Human Right. 3 Hours.
This course examines the complex relationship between social movements and human rights. Primary emphasis will be given to how grassroot movements/mobilizations have both shaped and contested our modern conceptions and practices of human rights in the US and globally. Prerequisite(s): SOC 110 or SOC 200H.

SOC 298. Sociology of Education. 3 Hours.
This course examines education through a sociological lens, focusing on how education impacts society and how society impacts education. Using sociological theories and perspectives, students will critically examine the structure and process of education.

SOC 299. Special Topics in Sociology. 1-8 Hour.
This is a flexible course that may be taught depending on student needs. The design of the course is to present the student an opportunity to concentrate on various topics.

SOC 345. Critical Media Analysis. 3 Hours.
Critical analysis of modern media and its impact on social interaction, social institutions, popular culture and everyday perceptions. Drawing on historical and contemporary theoretical and empirical work, an emphasis will be placed on the intersectionality of social institutions and media consumption practices as well as how the structure of those institutions and practices shape social interaction.

SOC 357. Sociology of Religion. 3 Hours.
A sociological analysis of religious belief, behavior, organization, and the relation between religion as an institution and the larger society of which it is a part. Prerequisite: SOC 110.

SOC 361. Comparative Ethnic Studies. 3 Hours.
Examination of the social, political, legal, and economic development of ethnic inequality in our American society. Topics include prejudice and discrimination, majority and minority relations, institutionalized racism, intergroup contacts, migration, immigration, affirmative action and equal opportunity programs. Prerequisite: SOC 110.

SOC 363. Sociology of Gender. 3 Hours.
This course focuses on the social, political, legal, and economic dimensions of contemporary women's issues. Topics include the feminization of poverty, reproductive technology, single parenthood, childcare policies, aggression against women, and institutionalized sexism. Prerequisite: SOC 110.

SOC 369. Studies in Deviance. 3 Hours.
This course examines how so-called deviant identities, communities, desires, and practices are socially, historically, and culturally constructed. Particular emphasis is placed on non-traditional forms of deviancy. Discussion topics include transgender issues, queer theory, body modification, religious fanaticism, and militia groups. Prerequisite: SOC 110.

SOC 374. Cultural Studies. 3 Hours.
This course provides students with a basic understanding of the dynamics of culture and its impact on global change. Areas covered include: institutional structures of culture, cultural history and legacies, production and distribution of culture, effects of culture on meaning and social action. Prerequisite: SOC 110.

SOC 375. Social Change and Development. 3 Hours.
Designed to familiarize students with the theories, methods, and analytical frameworks for understanding social change and development in a global context. Topics covered include gender and race/ethnicity issues, social movements, and collective behavior, economic development, and globalization. Prerequisites: SOC 110 and three credits of Sociology.

SOC 376. Social Psychology. 3 Hours.
Study of the social sources and patterns of the aging perception, attribution, socialization, and interpersonal interaction. Prerequisite: SOC 110.

SOC 381. Sociology of Health and Illness. 3 Hours.
This course is a sociological analysis of health and medicine that will encourage students, including future medical professionals, to examine health and illness through a sociological lens. Topics include mental health, contested illness, doctor and patient interactions, the social construction of illness, and more.

SOC 394. Independent Study General Soc. 1-4 Hour.

SOC 399. Senior Readings. 1-6 Hour.
Intended for students close to completing their major/minor sociology requirements. This course provides a forum for students to test the knowledge and skills they have acquired throughout their course of study by re-examining specific issues pertinent to sociology. Topics to be discussed range from civic, political, and religious participation through race, ethnicity, and gender issues. Prerequisites: SOC 110, three credits of sociology, and consent of instructor.

SOC 401. Research/Practicum/Internship. 1-6 Hour.
The course allows students the option of developing a major paper involving a literature review or empirical research or placement in applied setting for practical experience. Community and/or campus settings are available. Prerequisite: Student must complete SOC 110 OR SOC 200H before enrolling in the class.

SOC 420. Drugs & Society. 3 Hours.
An examination of public policy and the social construction of drugs and drug use. Includes the history of drug legislation, the interactional experiences of drug users, harm reduction and rehabilitation vs. criminalization, social effects, drug culture, and legalization debates. Prerequisite(s): SOC 110 or SOC 200H.
SOC 422. Globalization. 3 Hours.
This course examines globalization in its political, economic, and social dimensions. Students will engage with the interdisciplinary globalization literature through research, discussion, and debate on the historical origins of globalization, the economic opportunities and dangers of global trade and financial flows, and global politics.

SOC 425. Society and the Graphic Novel. 3 Hours.
Graphic Novels - like any form of social commentary - have a history of addressing the issues and social changes of the day. This course will take a critical look at how the Graphic Novel has addressed social issues today and historically. Topics include, but are not limited to: gender, race, sexuality, politics and religion. Drawing on primary course materials and analytical texts, the course examines not only how society is reflected in Graphic Novels, but also how Graphic Novels impact larger social discussions.

SOC 477. Sociological Theory. 3 Hours.
This course introduces students to the major nineteenth and twentieth century thinkers who shaped the development of sociological thought. In exploring the theoretical heritage of sociology, the course seeks to develop an appreciation of what theory is and how necessary and useful it is for examining and understanding the social world. A major assumption of the course is that sociological theory has an eminently practical function for understanding ourselves and the world we live in. Prerequisite(s): SOC 110 or SOC 200H and SOC 476.

SOC 494. Independent Study Honors Soc. 1-8 Hour.

SOC 499. Special Topics in Sociology. 1-8 Hour.
This is a flexible course that may be taught depending on student needs. The design of the course is to present the student an opportunity to concentrate on various topics.

SPAN 101. Beginning Spanish I. 3 Hours.
For beginners or those entering with one or two years of high school Spanish. Introduction to listening, speaking, reading, writing, and culture.

SPAN 102. Beginning Spanish II. 3 Hours.
A continuation of Beginning Spanish I. Prerequisite: SPAN 101.

SPAN 120. Basic Spanish for Travel and Business. 3 Hours.
This course is designed to help students attain basic business conversation skills in Spanish. It will also provide a broad introduction to Spanish grammar and also cultural insight to business practices in the Spanish speaking world. Current events and topics related to the Hispanic World will also be discussed.

SPAN 130. Spanish for Healthcare Professions. 3 Hours.
Have you ever wished you knew some Spanish to interact with your patients? This course will teach you vocabulary, phrases, and basic grammar in Spanish that are relevant to the healthcare setting. The goal of the course is to facilitate multicultural communication in medical contexts at a basic level.

SPAN 194. Independent Study. 1-3 Hour.
Independent or directed study of special topics in the study of Spanish. Pre-requisite: Spanish or Spanish Education major or minor.

SPAN 201. Intermediate Spanish I. 3 Hours.
Review of basic Spanish with increased practice in conversation, reading, and writing. Prerequisite: SPAN 102, three years of high school Spanish, or consent of instructor.

SPAN 202. Intermediate Spanish II. 3 Hours.
Continuation of SPAN 201. Prerequisite: SPAN 201.

SPAN 220. Hispanic Cinema. 3 Hours.

SPAN 230. Sounds of Spanish. 3 Hours.
This course will address the sound system of Spanish. Topics will include basics of the articulatory system, characteristics and patterns of Spanish sounds, and variation in Spanish sounds. We will also discuss the difference between Spanish and English sounds; this analysis should help you achieve a more native-like pronunciation of Spanish.

SPAN 296. Study Tour. 1-3 Hour.
MSU faculty-led study trips to appropriate locations. Will include additional requirements beyond travel itself. May be repeated for credit. Does not count towards the Spanish or Spanish Education major or minor.

SPAN 299. Special Topics. 1-8 Hour.
Varying areas of content, issues, or themes in the study of Hispanic language, literature, culture, and civilization. Repeatable for credit as topics change.

SPAN 340. Conversation & Composition I. 3 Hours.
Advanced practice in oral and written skills using cultural readings and other media. Prerequisite: Student must complete SPAN 202 or have the consent of the instructor before enrolling in this class.

SPAN 341. Conversation & Composition II. 3 Hours.
This is one of a pair of courses focusing on advanced practice in oral and written skills using cultural readings and other media. Prerequisite: Student must complete SPAN 202 or have the consent of the instructor before enrolling in this class.
SPAN 342. Introduction to Hispanic Literature. 3 Hours.
Designed to improve language skills with an emphasis on reading and to enhance the student's ability to understand literature. Includes study of poetry, drama, and narrative from the Spanish speaking world. Prerequisite: SPAN 341 or consent of instructor.

SPAN 343. Contemporary Hispanic Culture. 3 Hours.
Readings in culture and society of the Spanish-speaking world.

SPAN 394. Independent Study. 1-4 Hour.
Independent or directed study of special topics in the study of Spanish. Repeatable for credit as topics change.

SPAN 395. Service Learning. 3 Hours.
Students will utilize reflection and research (both primary and secondary) to integrate (a) personal community or global service experience(s). Prerequisites: Spanish or Spanish Education major or minor.

SPAN 399. Special Topics. 1-8 Hour.
Varying areas of content, issues, or themes in the study of Spanish.

SPAN 441. Hispanic Literature. 3 Hours.
Survey of the literature of the Spanish-speaking world. Prerequisite(s): SPAN 342 or consent of instructor.

SPAN 443. Senior Thesis In Spanish. 3 Hours.

SPAN 450. Hispanic Studies Seminar. 3 Hours.
Individual research project on a cultural topic approved by the instructor one semester prior to enrollment in the course. Course restricted to majors and minors.

SPAN 496. Study Tour. 1-18 Hour.
MSU faculty-led study trips to appropriate locations. Will include additional requirements beyond travel itself. May be repeated for credit. May count towards the Spanish or Spanish Education major or minor.

SPED 101. Introduction to Intellectual & Developmental Disability Services. 3 Hours.
A survey of the various types of developmental disabilities, the philosophy of service, person centered planning, working with families, job coaching, and legal and ethical considerations for persons with developmental disabilities.

SPED 110. Introduction to Exceptional Children. 3 Hours.
A survey course examining exceptionalities of learning with a focus on understanding current social and educational responsibilities.

SPED 111. Health Care in IDD I. 3 Hours.
This course concentrates on basic medication concepts and procedures, health and wellness issues, nutrition information, and oral hygiene.

SPED 112. Health Care in Developmental Disabilities II. 3 Hours.
This course focuses on the most common types of seizures and provides information on how to observe, report, and assist persons during seizures. Included also are techniques of positioning, turning, and transferring persons with physical disabilities. This course provides an introduction to issues in sexuality and also teaches how to support independent living skills in persons with intellectual disabilities.

SPED 113. American Sign Language I. 3 Hours.
This course is designed to introduce students to American Sign Language. Students develop basic vocabulary and conversation skills. Fundamental aspects of Deaf Culture are incorporated.

SPED 114. Sign Language Lab. 1-6 Hour.
The goal of this lab is to practice and review skills learned in ASL classes. The lab provides an opportunity to enhance acquisition of the fundamental elements of American Sign Language. Emphasis is placed on the progressive development of basic expressive and receptive skills through the use of supplementary learning media and materials, increased exposure to native language users and guidance from proficient instructors.

SPED 115. American Sign Language II. 3 Hours.
This course is a continuation of ASL I. Students will expand vocabulary and conversation skills. Focus is on a greater understanding of ASL and its cultural features. Prerequisite: Student must complete SPED 113 before enrolling in this class.

SPED 116. Intro To Sign Lang Interpreting. 3 Hours.
An introductory course providing an overview of the profession of Sign Language Interpreting.

SPED 117. Manually Coded English. 3 Hours.
An introduction to Signing Exact English and finger spelling. A basic sign vocabulary is presented.

SPED 118. American Sign Language Specialized Vocabulary. 3 Hours.
This course will provide students with advanced vocabulary knowledge in American Sign Language as preparation for a career in Interpreting.

SPED 120. Intro to Positive Behavior Supports. 3 Hours.
This course focuses on principles of behavior: defining, recording, and charting behavior, and how to write behavioral objectives. It teaches positive behavior support strategies and how to design and implement positive behavior support plans.

SPED 140. Human Development. 3 Hours.
A study of the sequence of human development from conception to late childhood, adolescence through adulthood, with emphasis on motor, language, cognitive, emotional, and social characteristics.
SPED 141. Development of Young Children. 2 Hours.
In this course, students will learn typical and atypical development of children ages birth to age five. The course includes observation of development, introduction to service delivery models, and study of best practices in intervention. Prerequisite: Students must complete in SPED 110 before enrolling this course.

SPED 201. Applied Behavior Analysis for Teachers. 3 Hours.
Learners in this course will be introduced to best practices in Applied Behavior Analysis (ABA) in the classroom. In addition, students will learn preventative, supportive, and corrective behavioral strategies for individuals with both low and high incidence disabilities. Varying theoretical paradigms related to human behavior will also be explored and considered to understand student behavior.

SPED 202. Intro to Sensory Disabilities. 3 Hours.
In this introductory course in sensory disabilities, students will learn the dimensions of deaf/hard of hearing, visual impairments, and dual impairments. The content will cover the etiology of sensory disabilities that can result in additional learning challenges. In addition, historical foundations and research evidence upon which educational best practice is based for sensory disabilities is identified. Prerequisite: SPED 110.

SPED 210. Intro to Ed of Children w/DHH. 3 Hours.
A foundations course which surveys the history of the education of children who are deaf or hard of hearing. An introduction to present techniques as well as historical philosophies is presented. Prerequisite: SPED 110.

SPED 213. American Sign Language III. 3 Hours.
This advanced course is a continuation of ASL I & II as a tool to enrich their vocabulary and understanding of the structure of ASL. Topics relating to Deaf Culture will be discussed throughout the course as well as opportunities to increase fluency in the language. Prerequisites: SPED 113, SPED 115.

SPED 215. Interpreting I. 3 Hours.
This course focuses on strengthening ASL and English proficiency through discussion and practice and is designed for interpreting students with a foundation in ASL. The overall goal of the course is to improve ASL and English proficiency in a measured sequence, moving from simpler to more complex material with a strong emphasis on comprehension throughout. Course topics include main idea comprehension, summarizing, lexical substitution, paraphrasing propositions, paraphrasing discourse, as well as discovering the difference between form and meaning.

SPED 216. Interpreting II. 3 Hours.
Cognitive processing skills underlie the more complex aspects of simultaneous interpreting. This 3-credit course focuses on developing specific cognitive processes through a combination of lecture, discussion and skill-building. Topics include comprehension, memory, immediate and delayed repetition, and pattern inference in both ASL and English. Also included are Fingerspelled word recognition, number comprehension in ASL.

SPED 220. Promoting Inclusive Opportunities. 3 Hours.
The course introduces a value-based process for developing and evaluating major program goals for persons with disabilities including the relationship of assessment to goal setting and person-centered planning. Students will apply instructional interventions including assistive technology applications for persons with intellectual disabilities. Strategies for promoting relationships between people with disabilities and other community members and guidelines for leisure program planning and implementation will be discussed.

SPED 223. Dual Diagnoses: ID and Mental Health Disorders. 2 Hours.
An overview of issues related to supporting people who experience both intellectual disability and mental health disorders including identification of the need for services, treatment options, and standards for service provision. The course provides information for program coordinators on assessment of mental health disorders, collaboration with community-based team members, pharmacological and behavior support, and cognitive behavioral therapies and approaches with individuals with intellectual disabilities.

SPED 225. Assisting People with Traumatic Brain Injury. 2 Hours.
This course provides a comprehensive overview of Traumatic Brain Injury (TBI) and how to assist people with TBI and their families. It discusses community resources, assessment issues and strategies, as well as the role of employment consultants in working with people with TBI.

SPED 233. Experience In SPED. 1 Hour.
Through a service learning approach, students will be introduced to a diverse, vibrant, professional community working together with others to ensure that individuals with exceptionalities are valued and included in all aspects of life. Students will be exposed to leadership policy and practices.

SPED 234. Disability and Society. 3 Hours.
This course prepares future leaders to understand new perspectives on viewing disability as a part of a diverse society. Learning experiences are designed to eliminate myths and preconceptions and prepare students to successfully encounter diversity as expressed by people with disabilities who may be colleagues, employees, neighbors, or members of the community.

SPED 250. Developing Communicative Interactions. 2 Hours.
This course is designed to provide training to personnel who work with persons with extensive and pervasive support needs. It is a multimedia training program in the area of social, communicative language skill development, and intervention. The course also discusses effective interpersonal communication.

SPED 255. Aging and IDD. 2 Hours.
This course is designed to address training needs of direct support professionals and human services personnel working with senior citizens with developmental disabilities in community programs. It covers demographic and philosophical considerations, health, social, and legal issues, and coordination of services.
SPED 296. Field Experience in IDD. 4 Hours.
Practical experience in the development of individual program plans, medication management; positioning, turning, and transferring techniques; management of seizure disorders; job coaching; participant empowerment; facilitation of services; community networking; facilitation of relationships; provision of person-centered supports; vocational, education, and career support; assessment, documentation; communication; positive behavior supports; and aging issues.

SPED 299. Special Topics In Special Ed. 1-8 Hour.
Research in current trends related to various topic areas in the field of special education.

SPED 302. Language and Communication Interventions. 3 Hours.
Students will learn the characteristics of culture and use of language as it relates to diversity across cultures. Additional focus will be on communication and social interaction alternatives and typical and atypical language development. Students will learn augmentative and alternative communication strategies to support and enhance the verbal and non-verbal communication skills of individuals with exceptional learning needs. Prerequisite: SPED 110 and Admission to Teacher Education or Interpreting & Sign Language Studies major.

SPED 310. Introduction to Intellectual Disability and Autism Spectrum Disorder. 3 Hours.
In this survey course, students will explore definitions and issues related to individuals with intellectual disability (ID) and autism spectrum disorder (ASD). In addition, trends and practices will be discussed in the areas of developmental disabilities. Students will understand the impact of learners' academic and social abilities, attitudes, interests, and values on instruction and career development. Prerequisite: Student must complete SPED 110 before enrolling in this class.

SPED 311. Introduction to Autism Spectrum Disorder. 3 Hours.
This course will examine the historical perspective of the autism spectrum as well as the etiology, early detection, assessment, diagnosis and characteristics of persons with ASD throughout the lifespan. Participants will learn a variety of interventions and instructional strategies appropriate in non-educational settings in order to improve an individual's social, behavior and communication skills among other quality of life outcomes. Prerequisite: Students must complete either SPED 101 or SPED 110 before enrolling in this course.

SPED 312. Intermediate Sign Language. 3 Hours.
A course in American Sign Language that focuses on increasingly complex aspects of the language including vocabulary, grammar, concepts and discourse. Students further develop their fluency in the language. Course content is beyond the third level of ASL.

SPED 316. Intermediate Interpreting. 3 Hours.
This course focuses on building translation and then consecutive interpreting skills through discussion and practice and is designed for senior interpreting students. The overall goal of the course is to introduce and refine translation and consecutive interpreting skills in a measured sequence, moving from simpler to more complex material with a strong emphasis on comprehension and equivalence throughout. Course topics include preparing to translate, analyzing and transferring the message, determining priorities in translation and testing the translation. Topics related to consecutive interpreting include history of consecutive, fidelity, comprehension, memory, reformulation, self-monitoring and correction.

SPED 318. Advanced Interpreting. 3 Hours.
This course is designed to build and strengthen simultaneous interpreting skills between English and American Sign Language (ASL). Topics include consecutive interpreting, bridging to simultaneous, sources of error, comprehension, message transfer, reformation, self-monitoring, and correction techniques. There is a continuous emphasis on self-analysis by using the Five Step Follow up.

SPED 320. Interpreter Certification Preparation. 2 Hours.
This course discusses various aspects of the Educational Interpreter Performance Assessment (EIPA) as well as the National Association of the Deaf-Registry of Interpreters for the Deaf national examinations.

SPED 330. Survey Of Deaf Culture. 3 Hours.
This survey course provides an overview of the rich and vibrant language and culture of individuals who are Deaf in North America.

SPED 340. Assessment in SPED. 4 Hours.
Students will learn to administer and interpret a variety of assessment instruments appropriate for diverse learners. The focus will include the use of legal provisions and ethical principles, screening, pre-referral, referral and classification practices and procedures, for individuals with exceptional learning needs. In addition, curriculum-based assessment will be used to evaluate instruction and monitor student progress. Prerequisite: SPED 110 and admission to Teacher Education.

SPED 341. Assessment in Developmental Disabilities. 4 Hours.
Students will gain knowledge in the fundamental concepts of assessment and purposes of various assessment methods in developmental disabilities. Students will also acquire skills in planning for assessment, instrument selection, administration, scoring, interpreting and reporting assessment results. Practical application of assessment skills for person centered planning is required. Prerequisite: Students must complete SPED 101 before enrolling in this course.

SPED 379. Leadership in SPED. 3 Hours.
The student will engage in service learning activities that benefit individuals with diverse learning needs, their families, and community. Students will gain leadership skills through these activities and will understand how their dispositions uphold high standards of competence and integrity. Students will focus on collaboration, partnerships, and ethical and professional practices in the field of special education. Prerequisite: Sped 110 and admission to teacher education.
SPED 410. Introduction to Learning and Emotional/Behavioral Disabilities. 3 Hours.
Students will understand the characteristics of individuals with specific learning disabilities, emotional/behavior disorders, and other common conditions such as ADD/ADHD. Students will understand prevalence, etiology, and diagnostic criteria of these disabilities as well as gain awareness of evidence-based practices to support these learners. Prerequisite: Sped 110.

SPED 412. Advanced Sign Language. 3 Hours.
A course in American Sign Language that focuses on advanced levels of concept expression and dialogue for a myriad of settings.

SPED 420. Inclusive Practices. 3 Hours.
Students will learn methods for differentiating instruction to meet the needs of a diverse range of learners in inclusive settings. Concepts of the shared model of Response to Intervention (RTI) and Universal Design for Learning (UDL) will be emphasized. A variety of co-teaching practices will be modeled within this course. In addition, collaborative partnerships with school personnel and community members for integrating individuals with exceptional learning needs will be demonstrated. Prerequisites: SPED 110 and admission to teacher education.

SPED 433. Advanced Field Experience. 4 Hours.
Advanced practical experience in interpreting and sign language.

SPED 440. Instructional Interventions for People with DD. 3 Hours.
This course is designed so students can attain knowledge of theories and research that form the basis for instructional interventions for adults with developmental disabilities. Students will learn how to develop and select instructional content and strengthen their understanding of resources and strategies for adults who require a Person Centered Plan. The course focuses on how to identify functional skills in a variety of domains, write goals and objectives, develop a task analysis, design intervention plans, collect and graph baseline and instructional data and then make data-based decisions. Prerequisite: Students must complete SPED 101 before enrolling in this course.

SPED 441. Methods for High Incidence Disabilities. 3 Hours.
Students will have knowledge of theories and research that form the basis for curriculum development and instructional practice for students identified as having high incidence disabilities. Students will develop and select instructional content with resources and strategies for students described as needing intermittent or limited levels of support. Students will learn to make responsive adjustments to lesson planning and instructional pedagogy based on assessment and data-based decision making. Students will develop and implement comprehensive individualized education programs in collaboration with various team members. Prerequisite: Students must complete SPED 101 before enrolling in this course.

SPED 442. Methods for Low Incidence Disabilities. 3 Hours.
Students will have knowledge of theories and research that form the basis for curriculum development and instructional practice for students who have been identified as having low incidence disabilities. Students will develop and select instructional content with resources and strategies for students described as needing extensive and pervasive levels of support. Students will learn to make responsive adjustments to lesson planning and instructional pedagogy based on assessment and data-based decision making. Students will develop and implement comprehensive, annual individualized education programs in collaboration with various team members. Students will demonstrate techniques in transferring, positioning, lifting and CPI training. Prerequisite: SPED 110 and admission to Teacher Education.

SPED 444. Transition to Adult Life. 3 Hours.
Students will have knowledge in designing and using methods for assessing transition instruction for students of all ages with a special emphasis on students with a transition IEP (16-21). An emphasis on functional academics, vocational training, life and social skills development, recreation/leisure opportunities, and post-secondary training will be included. Students will understand their role in developing transitional individual education programs and how to work effectively with human services providers. Prerequisite: SPED 110 and admission to Teacher Education.

SPED 445. Collaboration in Special Education. 3 Hours.
This course examines issues and effective strategies for successful collaboration with interdisciplinary team members so students with disabilities can be included in the general education classroom. Students will understand the importance of fostering responsive, respectful, and beneficial relationships between families and professionals. Students will learn how to communicate and problem solve effectively with other team members including family members and legal guardians. Prerequisite: SPED 110 and admission to Teacher Education or Interpreting & Sign Language Studies major.

SPED 446. Interdisciplinary Teaming and Community Collaboration in Human Services. 3 Hours.
This course examines issues and effective strategies for successful collaboration with interdisciplinary team members so people with disabilities can be included in their communities and meet their personal outcomes. Students will describe the critical aspects that foster responsive, respectful, and beneficial relationships between families and professionals. Students will demonstrate how to communicate and problem solve effectively with other team members including direct support professionals, consultants, family members and legal guardians. Prerequisite: Students must complete SPED 101 before enrolling in this course.

SPED 454. Models & Strategies in Employment for People with Developmental Disabilities. 4 Hours.
Students will learn effective models and strategies of individualized employment support for individuals with developmental disabilities from high school transition through retirement. Students will learn about and apply current best practices to support employment outcomes. Prerequisite: Students must complete SPED 101 before enrolling in this course.

SPED 491. Senior Seminar in IDD. 4 Hours.
Seminar on various topics for seniors in the field of intellectual and developmental disabilities.
SPED 494. Practicum In Special Education. 1-4 Hour.
Students will participate in a practicum with their school partners to design, implement, and evaluate instructional practices. Prospective special educators will develop and apply knowledge, skills, and dispositions essential to the roles for which they are being prepared. Prerequisite: SPED 110 and admission to Teacher Education.

SPED 497. Advanced Field Experience in IDD. 8 Hours.
Students will participate in a final practicum in the field of human services and be supervised by agency personnel in a variety of adult agencies. Participating agencies include residential, vocational, recreational, social, protection, and advocacy as well as case management agencies serving adults with intellectual and developmental disabilities.

SPED 499. Special Topics in SPED. 1-8 Hour.
Research in current trends related to various topic areas in the field of special education.

SS 283. Diversity in America. 3 Hours.
This course examines American diversity, including Native American, and places that diversity in global perspective. This course meets the Education Standards and Practices Board (ESPB) Native American Studies requirement for teacher certification.

SS 299. Special Topics In Social Science. 1-8 Hour.

SS 391. Secondary History/Social Science Teaching Methods. 3 Hours.
A methods course designed for those intending to teach history and social studies at the secondary level. The course includes a study of classroom techniques, a microteaching experience, and a practicum in a secondary level social classroom. Prerequisite: Admission to Teacher Education. (Offered fall semester only.).

SS 394. Independent Study General Ss. 1-4 Hour.

This course is designed to give History and Social Science education majors an opportunity to have thirty hours of practical experience. Placements in school settings are arranged by the Teacher advisement and Field Placement Office. Co-requisite: SS 391. Prerequisite: Admission to Teacher Education, SS 391, or departmental approval, and History Education and Social Science Education majors.

SS 399. Readings in Social Science. 1-3 Hour.
Study and discussion of readings in social science, particularly those which cross disciplinary lines.

SS 494. Independent Study Honors Ss. 1-8 Hour.

SS 499. Special Topics In Social Science. 1-8 Hour.

SWK 225. Self-Care for the Helping Professions. 2 Hours.
For students entering a variety of helping professions, this course will explore the relationship between Adverse Childhood Experiences and self-care practices to mitigate burnout, compassion fatigue, and vicarious trauma. By the end of the course, each student will have developed their individualized self-care plan that will be implemented immediately and throughout their career. Topics include self-awareness, relationships, gratitude, mindfulness, supervision, professional development, personal and professional boundaries, mental health, and physical health.

SWK 250. Interpersonal Skills. 3 Hours.
This course is designed to develop verbal and nonverbal interpersonal skills related to common, everyday interactions as well as those interactions germane to the Generalist Practice Planned Change Process. The course requires 25 hours of concurrent interpersonal skill building human service experience.

SWK 256. Development of Social Welfare. 3 Hours.
The course reviews and evaluates the history, philosophical assumptions, values and development of social welfare programs and services throughout the United States. The course examines the socio-political-economic conditions which not only form, but influence social welfare systems. In addition, the course discusses intersections between privilege and oppression. The course reviews multiple marginalized, oppressed, and underserved populations with which social work intersects and ways that social work can positively impact social, economic, environmental justice, and human rights.

SWK 285. Child Welfare in Rural Comm. 3 Hours.
This course will examine the basic core of child welfare services: Services to protect children from neglect and abuse, family preservation services, foster care, adoption, and child advocacy. Additionally, it will examine the legal framework that governs the affairs of children.

SWK 299. Special Topics In Social Work. 1-4 Hour.

SWK 330. Human Behavior and the Social Environment. 3 Hours.
This course reviews the biopsychosocial-cultural aspects of human development across the life span within the context of Generalist Practice. Students will apply knowledge of human behavior and the social environment, person-in-environment and other multidisciplinary theoretical frameworks to provide social work across the life span. Prerequisite: Student must complete SWK 250, SOC 110, and PSY 111 before enrolling in this class.

SWK 331. Family Dynamics. 3 Hours.
This course applies a variety of theoretical perspectives, including systems theory and person-in-environment in order to use skills to engage, assess, intervene, and evaluate social work practice with families.
SWK 335. Social Work Methods I. 3 Hours.
This course applies knowledge, values, and skills for entry level Generalist Practice Social Work with individuals and families using evidence-based skills and interventions. Students will develop skills to engage, assess, plan, intervene, and evaluate social work practice with individuals and families. Prerequisites: Admission to the Social Work Program.

SWK 340. Social Welfare Policy. 3 Hours.
A generalist practice framework is used for the analysis of social welfare policies and current policy structures, and policy practice, advocacy, and evaluation used in agency, community, and legislative settings.

SWK 350. Rural Social Work Practice. 3 Hours.
Study and evaluation of rural, regional social services and delivery systems, characteristics of rural populations and community analysis, function and roles of social worker in a nonmetropolitan environment. Prerequisite: SWK 250, 255 and 256.

SWK 379. Aging Practices and Policies. 3 Hours.
Study of social welfare policies which sanction and direct services and welfare for the elderly.

SWK 394. Independent Study General Sw. 1-4 Hour.

SWK 401. Contemporary Issues with Native American Families. 3 Hours.
This course will survey contemporary issues that Native American families face in today's society and how these influences affect the context of family life and the helping process.

SWK 402. N.A. Children & Adolescents. 3 Hours.
This course will survey contemporary issues that Native American children and adolescents experience in today's society and how these issues affect their family life and issues related to delivery of services.

SWK 426. Social Work Methods II. 3 Hours.
This course applies knowledge, values, and skills for generalist social work practice with groups using evidence-based skills and interventions. Students will develop and utilize skills to engage, assess, intervene, and evaluate social work practice with groups. Prerequisite: Admission to the Social Work Program.

SWK 427. Social Work Methods III. 3 Hours.
This course applies knowledge, values, and skills for generalist social work practice with organizations and communities using evidence-based skills and interventions. Students will develop and utilize skills to engage, assess, intervene, and evaluate social work practice with organizations and communities. Pre-requisites: SWK 330, 331, and Admission to the Social Work Program.

SWK 428. Crisis Intervention. 3 Hours.
This course introduces students to the theory and practice of crisis intervention with an emphasis on the use of short-term intervention and problem-solving techniques. This course emphasizes crisis theory and crisis intervention models applied to various crisis problems and populations at-risk. Prerequisite: Junior or Senior status.

SWK 429. Interprofessional Health Care Practice. 3 Hours.
Today's fast-paced, high-acuity health care system demands health care professionals who can collaborate effectively using an interprofessional team approach in order to provide patient-centered care. Students will explore discipline specific roles and scope of practice as well as issues common to all health care professions such as communication, team dynamics, ethics, patient safety, and quality improvement. Pre-requisites: SWK 250, 256, 330, 331, 335, and 340.

SWK 430. Diversity, Oppression, and Social Change. 3 Hours.
This course focuses on enhancing knowledge and insight into the impact of oppressed individuals to include, but not limited to age, color disability, ethnicity, family structure, gender national origin, race, and sexual orientation. To promote self-awareness, a key component in cross-cultural social work practice, students will be challenged to thoughtfully and critically analyze their own identity development by examining personal beliefs and life-experiences with privilege and oppression. The person-in-environment assessment strategy will be applied as practical intervention strategy for future practice with diverse individuals.

SWK 442. Research Methods in Social Work. 3 Hours.
This course introduces students to the concepts and principles of social work research methodology. This course includes conceptualizing a social work problem, designing research strategy, making use of relevant literature, and organizing and evaluating relevant data. Prerequisite(s): MATH 210 or PSY 241.

SWK 489. Field Experience. 3-9 Hour.
Field experience is a course that provides structured and educationally directed learning experiences in public and private human service agencies, but is geared for those students who may want an additional field experience prior to Field Education. Pre-requisite: Admission to the Social Work program and consent of instructor.

SWK 490. Field Education. 12 Hours.
This course is a structurally and educationally directed learning experience in public and private human service agencies that utilizes social work knowledge, values, and skills. Pre-requisite: Admission to the Social Work program. Co-requisite: SWK 491.

SWK 491. Senior Seminar. 3 Hours.
The Senior Seminar course taken concurrently with Field Education promotes the integration of knowledge, values, and skills and filed learning with a focus on professional and ethical issues. Co-requisites: SWK 490 and senior status.
SWK 494. Independent Study Honors Sw. 1-8 Hour.

SWK 499. Special Topics. 1-8 Hour.

THEA 110. Introduction to Theatre Arts. 3 Hours.
Basic introduction to the theory and principles of theatrical presentation including dramatic literature, acting, stagecraft and dramatic analysis, with emphasis on practical application.

THEA 120. Intro to Drama Lit & Analysis. 3 Hours.
An introductory course in the literature of drama. Plays representative of important periods of theatre history are discussed and analyzed in their cultural context as well as for possible performance. Students work to understand the plays’ potential meanings for modern audiences.

THEA 121. The One-Act Play. 2 Hours.
The course revolves around the study of the one-act play, how it differs from the full-length play, as well as the reading of several one-acts and evaluating them as per their availability and appropriateness for competition.

THEA 161. Acting I. 3 Hours.
A basic introduction to script analysis, scene work, and characterization. Exploring the actor’s tools through voice, movement, and stage combat may be implemented depending on instructor.

THEA 162. Audition Techniques. 1 Hour.
The selection, rehearsal, and performance of theatrical scenes and monologues as well as musical theatre material for the purpose of auditions.

THEA 164. Musical Theatre Professional Preparation. 2 Hours.
Designed to prepare students to be successful at professional Musical Theatre auditions and to provide them with practical skills and information related to show business (i.e.: agents, managers, unions, negotiating, contracts, headshots, resumes, casting directors, etc.).

THEA 194. Independent Study. 1-3 Hour.
Independent or directed study of special topics in the study of theatre. Pre-requisite: Theatre Arts major or minor.

THEA 199. Special Topics. 1-3 Hour.
Varying areas of content, issues, or themes in the study of theatre.

THEA 201. Theatre Practicum. 1 Hour.
Participation in a significant capacity in any communication arts sponsored theatrical production above and beyond the requirements of a specific course. Repeatable up to eight credits.

THEA 202. KCACTF Participation. 1 Hour.
Credit offered to those students selected for the KCACTF Irene Ryan Regional Scholarships as well as those students choosing to actively participate in the various regional events, i.e. Design Expo, Stage Management, Theatre Management Challenge, and those students interested in presenting work elsewhere. The course will include selection, preparation, and presentation of the required artifacts or audition pieces.

THEA 203. Music Theatre Studio. 1 Hour.
Performance of major roles of Musical Theatre in studio projects. Emphasis on the student’s integration of singing, acting, and movement into a unified performance.

THEA 221. Costuming. 2 Hours.
Introduction to the art of theatrical costuming from history through construction. Included will be an introduction to the design process.

THEA 222. Make-Up. 2 Hours.
Theory and practical laboratory work in stage make-up applications, including mask building.

THEA 250. Creative Drama. 3 Hours.
The study of creativity, and the relationship of drama and creative play culminating with activities centering around storytelling and children’s theatre.

THEA 261. Performance Studies. 3 Hours.
An examination of “performativity.” and explorations of performance beyond the confines of “theatre proper”. Students will create works for the theatre which resist the limits of traditional narrative as well as experiment with the definition of performance.

THEA 270. Stagecraft. 3 Hours.
The course will begin with the stage managers approach to script analysis for a play in production and will conclude with the fundamental approach to the implementation of the scenic artist’s designs for the stage through the study of set construction, painting techniques, and technical coordination.

THEA 275. Production and Design. 3 Hours.
The focus of the course will be design process, as applied to the creation of the theatrical environment, including analysis, research, communication, and implementation. Students will complete design projects in dramaturgy, stage management, costuming, scenery, sound or lighting.

THEA 296. Study Tour. 1-3 Hour.
MSU faculty-led study trips to appropriate locations. Will include additional requirements beyond travel itself. May be repeated for credit. Does not count toward the Theater Arts major or minor.

THEA 297. Internship. 1-2 Hour.
Hands-on experience in the discipline.
THEA 299. Special Topics. 3 Hours.

THEA 301. Movement I. 3 Hours.
Introduction to physical and movement elements of the actor's craft and stage performance, including neutral presence, alignment, walking, spatial awareness, self-awareness, and availability. Exercises will be given to strengthen and stretch the body. Techniques involving the application of yoga, pilates, ballet and Viewpoints will be applied to physical expression in character development and creation of object and animal essences. No previous fitness/movement training required, only a quest for play and healthier daily living.

THEA 302. Movement II. 3 Hours.
Participants will develop body awareness, improve posture, enhance muscle strength, increase range of motion, and further the art of muscle relaxation. Implementation and continuation of yoga/pilates matwork and ballet will increase strength, coordination, and flexibility for the stage performer. Final project will involve movement application with classical Shakespearean text. No previous fitness/movement training required, only a quest for play and healthier daily living.

THEA 303. Musical Theatre Dance. 3 Hours.
This course is designed to introduce the student to the basic principles and techniques characteristic of tap, jazz, and musical theatre dance styles. Warm-up, exercises, combinations in a variety of jazz and tap styles will provide opportunities for the student to develop an efficient use of weight, alignment, flexibility, articulation of footwork, coordination, endurance, strength, and musicality. A fun-filled class that culminates in song and dance routines for the stage.

THEA 305. Musical Theatre History. 3 Hours.
History of Musical Theatre, primarily focusing on American Musical Theatre, from its defining influences and roots to the present. Topics to be covered include significant productions, composers, lyricists, librettists, choreographers, directors, designers, and actors.

THEA 350. Theatre History, Criticism & Literature I. 3 Hours.
A survey of the development of the theatre and drama, including dramatic analysis, performance theory and style, theater architecture, and individual contributions, from its beginning to 1642. Prerequisite: Student must complete THEA 120 or have instructor consent before enrolling in this class.

THEA 351. Theatre History Criticism, & Literature II. 3 Hours.
A continuation of THEA 350 and the development of the theatre and drama, including dramatic analysis, performance theory and style, theatre architecture, and individual contributions, from 1642 to the present. Prerequisite: Student must complete THEA 120 or have instructor consent before enrolling in this class.

THEA 361. Acting II. 3 Hours.
In-depth study of modern trends in acting technique with special emphasis placed upon the creation of character through various acting styles, and continued emphasis on voice and movement.

THEA 385. Directing. 3 Hours.
Fundamentals of composition, picturization, blocking, stage business, and rehearsal as applied to the directing of plays.

THEA 386. Playwriting. 3 Hours.
A study of the basic principles of writing for the stage. Emphasis will be on developing short forms of productions, specifically the ten-minute play.

THEA 387. Playwrights Lab. 1 Hour.
Development of original student-written plays. Focus will be on revision of 10-minute scripts for production. Prerequisite: Student must complete THEA 386 or have the consent of the instructor before enrolling in this class.

THEA 394. Independent Study. 1-3 Hour.
Independent or directed study of special topics in the study of theatre.

THEA 395. Service Learning. 3 Hours.
Students will utilize reflection and research (both primary and secondary) to integrate (a) personal community or global service experience(s). Pre-requisite: Theatre Art major or minor.

THEA 399. Special Topics. 1-3 Hour.
Varying areas of content, issues, or themes in the study of theatre.

THEA 401. Tour Show. 3 Hours.
This course is designed for the both the Theater and non-Theater major/minor to acquaint the student with the basic principles of acting, stage work, and touring. These principles include, but are not limited to: script reading and analysis; a technical production process that would accommodate a limited budget and specifics to be performed in various spaces and conditions; the research and preparation of materials that would allow a non-traditional audience member and teacher to view the production and be able to incorporate performance materials back into a regular classroom activity.

THEA 414. Theatre Management. 3 Hours.
This course will emphasize the business of theatre: Production Procedures from beginning to the end; grant writing, box office procedures, publicity policies, and audience development. Prerequisite: BADM 301.

THEA 450. Contemporary Drama. 3 Hours.
A study of dramatic literature from 1952 to the present. Plays from England, Europe, and the Americas will be represented. Course may be repeated as the content changes.
THEA 480. Advanced Theatre Performance. 3 Hours.
The focus of the course may include: script analysis, dramaturgy, devising theatre, and vocal technique for the stage (including diction, pronunciation, and dialect as needed). Students will do a variety of projects leading to production concepts as discussed by the ensemble. The final project will be a finished theatrical performance directed and acted by class members. Prerequisites: THEA 161, 301, 361, and 385.

THEA 492. Capstone Experience. 3 Hours.
Provides for individual research culminating in a thesis project under direct supervision of an instructor. Student must be at junior or senior status before enrolling.

THEA 496. Study Tour. 1-3 Hour.
MSU faculty-led study trips to appropriate locations. Will include additional requirements beyond travel itself. May be repeated for credit. Does not count towards the Theatre Arts major or minor.

THEA 499. Special Topics. 3 Hours.

THEA 95. Theatre Experience. 0 Hours.
Students will produce, direct, manage, design, build, perform, and market a family/youth production. The ultimate goal is to either invite area schools to the performances in the Aleshire Theatre or to tour the production to the area schools.

UNIV 110. First Year Seminar. 2-3 Hour.
An academic course linked to two other courses to form a first-year experience learning community. The course should inspire and support the transition to university life and learning and provide opportunities to engage with the campus and larger community. Topics vary according to the theme of the learning community.

UNIV TRN. UNIV Transfer. 0-99.5 Hour.