



ASBURY UNIVERSITY

Academic Excellence & Spiritual Vitality

UNIVERSITY COURSE CATALOG

2019-2020

UNDERGRADUATE

PUBLISHED BY THE
OFFICE OF THE ACADEMIC DEAN
ACADEMIC AFFAIRS

ASBURY UNIVERSITY
ONE MACKLEM DRIVE
WILMORE, KENTUCKY 40390

Course Numbering General Guideline

- 090-099 Preparatory remedial classes – will not count towards undergraduate degree totals.
- 100-199 Introductory undergraduate - generally freshmen and sophomore level. (0-59 credits earned)
- 200-299 Intermediate undergraduate - generally freshmen and sophomore level. (0-59 credits earned)
- 300-399 Advanced undergraduate - generally sophomores and juniors. (30-89 credits earned)
- 400-499 Advanced upper undergraduate - generally juniors and seniors. (60 or more credits earned)
- 500-799 Graduate level. [Some 500 level courses may be available to qualified undergraduate seniors by department permission.]
- 999 Denotes registration in special programs.

UNDERGRADUATE COURSE CATALOG

Listed alphabetically by prefix code.

[Indication of 'typical term course offered' is a general guideline for informational purposes only and is subject to change.]

COMMON COURSE NUMBERS WHICH MAY BE USED ACROSS UNDERGRADUATE DEPARTMENTS

- ___ **293 Seminar Course (1 – 6)** Sophomore level, non-regular course offered occasionally which covers topics selected by the department.
- ___ **391/491 Independent Study (0.5 – 6)** Individualized study of a topic of interest beyond the content of regular course offerings, involving a minimum of 1 – 3 meetings with instructor during semester. Available to juniors or above. *Contract required.*
- ___ **392/492 Directed Study (0.5 – 6)** a faculty-directed study on a topic of interest beyond the content of regular course offerings. Requires a minimum of 50 minutes per week with instructor during the semester. Available to juniors or above. *Contract required.*
- ___ **393 Seminar Course (1 – 6)** Junior level or above, non-regular course offered occasionally which covers topics selected by the department.
- ___ **435 Internship (0.5 – 9)** Course and grade based on time spent in practical experience; required in several major and minor programs. *Contract required.*

ACCOUNTING

- ACC / ACA 100 (3) Fundamentals of Accounting**—This is a survey course for non-business majors covering the fundamentals of financial and managerial accounting. Students will learn how to read financial statements and conduct basic financial analysis. (Occasional Offering)
- ACC / ACA 201 (3) Financial Accounting**—An introduction to the basic structure and language of accounting used in business. The three major types of business entities are considered with emphasis on preparing and understanding financial documents for sole proprietorships and corporations. Internal controls and ethical challenges in relation to financial management and reporting will also be explored. (Typically Fall & Spring)
- ACC / ACA 202 (3) Managerial Accounting**—This course utilizes the language and preparatory skills learned in

Financial Accounting to analyze the information for decision making as investors, managers, employees and creditors. The concept of "cost" will be explored extensively in understanding how it is accounted for in manufacturing environments as well as the role that it plays in pricing and analysis. Prerequisite: ACC/ACA 201. (Typically Fall & Spring)

ACC 301, 302 (3 each) Intermediate Accounting—Accounting theory and practice in relation to professional preparation. An in-depth study of cash, receivables, investments, revenue recognition, pensions, leases and cash flow statements, interpretation of financial statements and disclosure. Professional pronouncements and literature are considered. Prerequisites: ACC 202 for ACC 301 and ACC 301 for ACC 302. Students may be considered for ACC 301 after completion of ACC 201 pending professor approval. (ACC 301 Typically Fall & ACC 302 Typically Spring)

ACC 305 (3) Cost Accounting—Product costing, overhead cost analysis, standard costs, variance analysis, contribution accounting, flexible budgeting, responsibility accounting. Prerequisite: ACC 202. (Typically Fall)

ACC 307 (3) Principles of Federal Income Tax Accounting—Basic concepts, applicable to all taxpayers, of tax management, exempt income, nondeductible items, corporate distributions, computations of income, realization and recognition of incomes and deductions. Prerequisite: ACC 201 or permission of professor. (Typically Fall)

ACC 309 (3) Accounting for Nonprofit Entities—The requirements of adequate accounting systems for various government units (city, welfare), religious organizations, hospitals, including the recording of usual transactions and the form and content of reports. Prerequisite: ACC 201 or permission of professor. (Typically Spring)

ACC 361 (3) Management Information Systems—Theory and design of information systems from a managerial perspective. This course provides an understanding of the role of information technology in business and how it can be used for competitive advantage. Topics include information technology (data base, networks, etc.), developing applications and managing with information (e.g. decision support systems and expert systems). Prerequisite: ACC 201, BU 211. (Typically Spring)

ACC 391 (1-3) Independent Study—Independent study projects with required written reports approved and directed by a member of the accounting faculty. (Contract course)

ACC 393 (3) Seminar—Study of various issues that are relevant to the current accounting industry environment. Topics to be determined. (on occasion) (Typically Fall)

ACC 401 (3) Advanced Accounting—Selected topics in advanced accounting, including study of unique problems related to special sales arrangements, business combinations, and consolidated financial statements. Prerequisite: ACC 302. (Typically Fall)

ACC 402 (3) Basic Auditing—A course in auditing theory practices. Auditing standards, procedures, rules of professional conduct, and related materials of professional importance. Consideration is also given to internal auditing. Prerequisite: ACC 302 or permission of professor. (Typically Spring)

ACC 435 (3) Internship—Students are placed with cooperating firms for on-the-job training in business and

accounting. Written reports to be submitted by the firm and by the student to the professor. This is an option for the student and will be tailored to fit the student's needs as far as possible. Consent of the instructor must be secured. (Contract course)

ADVENTURE EDUCATION & LEADERSHIP

AEL 100 (2) Experiential Education: Theory & Foundation

Study of theoretical principles and philosophical structures of the field of experiential education. Includes historical backgrounds and pedagogy of experiential education along with an introduction to theories of the related fields of place-based, outdoor, and adventure education.

Corequisite: AEL 110. (Typically Spring)

AEL 110 (1) Experiential Facilitation Techniques—This course will give practical experience to go with the theory in AEL 100. Initial application techniques and metaphoric structures used in adventure settings are taught, students will get opportunities to test and implement theoretical understandings. Corequisite: AEL 100. Fee. (Typically Spring)

AEL 150 (2) Minimum Impact Outdoor Skills—Emphasizes the skills and attitudes necessary for successfully living in and enjoying the outdoors in all seasons with a focus on minimum impact practices. Skills addressed include basic survival techniques, outdoor equipment selection, staying warm and dry, shelter and campsite selection, map reading and navigation methods, wilderness travel and basic trip planning. Corequisite: AEL 151. Fee. (Typically Spring)

AEL 151 (1) Leave No Trace Instructor Certification—Co-offered with AEL 150, this course focuses on lesson planning and delivery and provides the certification aspect of the curriculum. Corequisite: AEL 150. Fee. (Typically Spring)

'FIELD Semester - Prerequisites: AEL 100, 110, 150, 151, and lifeguard certification'

AEL 200 (3) Wilderness First Responder (WFR)—F.I.E.L.D. Semester course—Certification course taught by qualified outside instructors from the nationally recognized organization Wilderness Medical Associates. WFR is taught as an 8-day intensive early in the F.I.E.L.D. Semester. Students receive a 3-year certification. Fee. (Typically Fall)

AEL 210 (3) Adventure Skills I—F.I.E.L.D. Semester course—Field course focused on land-based outdoor pursuits. Gives technical knowledge necessary for the practice, facilitation, and risk-management of backpacking, rock climbing, and caving. Offers American Mountain Guides Association (AMGA) Climbing Wall Instructor certification. Prerequisite: AEL 150. Fee. (Typically Fall) [Satisfies Foundations PE 111 requirement.]

AEL 211 (3) Adventure Skills II—F.I.E.L.D. Semester course—Field course focused on water-based outdoor pursuits. Gives technical knowledge needed for practice, facilitation, and risk management in flat water and moving water canoeing. Also introduces students to white-water rafting. Offers an American Canoe Association (ACA) Level 3 canoe instructor certification. Requires a life-guarding certification. Prerequisite: AEL 150. Fee. (Typically Fall)

AEL 300 (3) Teaching in the Outdoors—F.I.E.L.D. Semester course—Applied outdoor instructional techniques, including philosophy and theory from intro courses in lesson planning and delivery. Specific focus on preparation, design and presentation of interpretive recreational programs and outdoor ministry. Outdoor instructors and leaders will develop a

capacity to incorporate multiple theoretical contexts and techniques to appropriately fit a client group or design outcome into their programs. Fee. (Typically Fall)

AEL 350 (3) Outdoor Program Design—F.I.E.L.D. Semester course—ultimately students are learning to lead. Outdoor and Adventure programs for large and small groups start with the planning and logistical phase. Students will learn processes and procedures for planning outdoor programs. Focus on risk management, adventure pedagogy, logistic management and organization, and program design with an outcomes focused approach. Transferable skills relatable to leadership roles in a variety of settings will be learned. Fee. (Typically Fall)

AEL 370 (2) Advanced Technical Skills—In depth investigation of a selected technical skill area in Adventure. Can substitute approved outside certification. Repeatable course for up to 6 credits but requiring different certification or skill area. Pre-requisites AEL 210 and AEL 211. Fee. (Typically Fall & Spring)

AEL 380 (2) Outdoor Stewardship & Environmental Literacy—Upper level course in Adventure Education and Leadership program. Course is designed to explore advanced theory and application that has grown out of the field of Adventure education specific to the areas of environmental stewardship, creation care, place based education, and critical pedagogy. (Typically Every other Spring)

AEL 381 (2) Outdoor Christian Leadership—Course content focuses on bringing about spiritual formation through adventure education. Content will include designing experiential and adventure activities that meet spiritual needs, transferring learning from adventure activities to spiritual growth, facilitating spiritual growth through group dynamics, as well as curriculum and program design. Will also focus on the role of the leader in the spiritual formation of others, and how one leads in a Christ-like way. (Typically Every other Spring)

AEL 382 (2) Environmental Interpretation—Offers foundational knowledge of outdoor pedagogy and research methods for preparing and presenting environmental and recreation interpretation to groups. Students will gain practical experience planning and researching field-based curricula and activities, as well as teaching these in the outdoors. Includes basic environmental knowledge, as well as history, definition and principles of environmental education. Fee. (Typically every other Fall)

AEL 400 (2) Therapeutic Adventure Programs—Theoretical, philosophical and historical foundations of therapeutic recreation and wilderness and adventure therapy. Understanding role of treatment, helper, and client, as well as settings and service models. Also includes topic of professional development and current issues in the field. Pre-Requisite AEL 300. Fee. (Typically Every other Spring)

AEL 410 (3) Challenge Course Operations—This course is designed to give students a thorough understanding of the scope of challenge course practice. Topics to be covered include challenge course facilitation, maintenance and installation, managing programs, program design, technical skills, risk management, as well as certification and industry standards. Fee. (Typically Every other Fall)

AEL 420 (2) Leadership Lab—Upper class students have the opportunity to work with AUCAL staff in the planning and implementation of programming for F.I.E.L.D. Semester students or outside groups for credit. Repeatable course for up to 6 credits. Requires acceptance. Prerequisite: AEL 300. Fee. (Contract course)

AEL 393 (1-3) Seminar—The study of various issues/topics in the field of adventure education. Topics will be determined and announced for each semester a seminar is offered. (Occasionally Offered)

AEL 450 (2) Leader, Facilitator, Guide—Senior Capstone course. Designed to focus on philosophical concepts in the Outdoor and Adventure Education Fields. It challenges students to apply the learning of their college career to their future lives. It looks in-depth at critical pedagogy and transferrable leadership. Topics related to the job field and careers in Adventure Education are considered along with strategies for gaining employment in this field. (Typically every other Spring)

AIR FORCE ROTC

[Affiliate courses with University of Kentucky]

AFS 111 (1) Aerospace Studies I—A course designed to provide the student with a basic understanding of the nature and principles of war, national power, and the Department of Defense role in the organization of national security. The student also develops leadership abilities by participating in a military organization, the cadet corps, which offers a wide variety of situations demanding effective leadership.

AFS 112 (1) Leadership Laboratory I—A course designed for development of basic skills required to be a manager, including communication, human relations, and administration of equal opportunity. Pass/Fail only. Corequisite: AFS 111.

AFS 113 (1) Aerospace Studies I—A course designed to provide the student with a basic understanding of the contribution of aerospace power to the total U.S. strategic offensive and defensive military posture. The student also develops leadership abilities by participating in a military organization, the cadet corps, which offers a wide variety of situations demanding effective leadership. Prerequisite: AFS 111.

AFS 114 (1) Leadership Laboratory I—A continuation of AFS 113. A course designed to develop managerial skills including superior/subordinate relationships, communication, customs and courtesies, basic drill movements and career progression requirements. Pass/Fail only. Corequisite: AFS 113.

AFS 211 (1) Aerospace Studies II—Introduces the study of air power from a historical perspective; focuses on the development of air power into a primary element of national security. Leadership experience is continued through active participation in the cadet corps. Lecture, one hour; leadership laboratory, one hour. Prerequisite: AFS 111, 113 or PAS approval.

AFS 212 (1) Leadership Laboratory II—A course designed for development of advanced skills required to be a manager/leader, including leadership styles, public speaking, group dynamics, motivation and preparation for field training. Pass/Fail only. Corequisite: AFS 211.

AFS 213 (1) Aerospace Studies II—Provides a foundation for understanding how air power has been employed in military and non-military operations to support national objectives. Examines the changing mission of the defense establishment, with particular emphasis on the United States Air Force. Leadership experience is continued through participation in the cadet corps. Lecture, one hour; leadership laboratory, one hour per week. Prerequisite: AFS 111, 113 or PAS approval.

AFS 214 (1) Leadership Laboratory II—A continuation of AFS 213. A course designed to develop supervisory

management skills to include communication, techniques of critique, social actions, personnel evaluation procedures, problem solving, role playing and field training preparation. Pass/Fail only. Corequisite: AFS 213.

AFS 311 (3) Aerospace Studies III—A study of management functions with emphasis on the individual as a manager in an Air Force environment. Individual motivational and behavioral process, communication, and group dynamics are included to provide a foundation for the development of professional skills as an Air Force Officer. Students refine their leadership and managerial abilities by organizing and managing a quasi-military unit. Prerequisite: Acceptance into POC or approval of PAS. [Satisfies Foundations PED 100 requirement.]

AFS 312 (1) Leadership Laboratory IIIA—A course designed and focused on developing advanced leadership skills. Students fill the mid-level management function within the cadet corps. The course involves the planning and controlling of military activities of the cadet corps, and the preparation and presentation of briefings and other written and oral communication. Pass/Fail only. Corequisite: AFS 311.

AFS 313 (3) Aerospace Studies III—A study of leadership with specific emphasis on the Air Force leader. Includes theoretical, professional and communicative aspects. In addition, military justice and administrative law are discussed within the context of the military organization. Students continue to develop and refine their leadership abilities by organizing and managing a military unit, the cadet corps, which offers a wide variety of situations requiring effective leadership. Prerequisite: AFS 311.

AFS 314 (1) Leadership Laboratory III—Laboratory to accompany AFS 313. Pass/Fail only. Corequisite: AFS 313.

AFS 411 (3) Aerospace Studies IVA—A study of the military profession, civil-military interaction, communicative skills, framework of defense policy, and formulation of defense strategy. Students refine their leadership abilities by organizing and managing a military unit, the cadet corps, which offers a wide variety of situations requiring effective leadership. Prerequisite: AFS 313, or approval of PAS.

AFS 412 (1) Leadership Laboratory IVA—A course designed and focused on developing advanced leadership skills. Students fill the top level management function within the cadet corps. The course involves the planning and controlling of military activities of the cadet corps, and the preparation and presentation of briefings and other written and oral communication. The lab also includes practice of leadership techniques aimed at motivating and instructing cadets in the lower three levels. Pass/Fail only. Laboratory, two hours per week. Corequisite: AFS 411.

AFS 413 (3) Aerospace Studies IVB—Continues the study of strategy and the management of conflict, formulation and implementation of U.S. defense policy, defense organization, and case studies in defense policy making. Students also refine their leadership abilities by organizing and managing a military unit, the cadet corps, which offers a wide variety of situations requiring effective leadership. Prerequisite: AFS 411 or approval of PAS.

AFS 414 (1) Leadership Laboratory IVB—A continuation of AFS 412. A course designed and focused on developing advanced leadership skills. Students fill the top level management function within the cadet corps. The course involves the planning and controlling of military activities of the cadet corps, and the preparation and presentation of briefings and other written and oral communication. The lab also includes practice of leadership techniques aimed at motivating

and instructing cadets in the lower three levels. Pass/Fail only. Laboratory, two hours per week. Corequisite: AFS 413.

AFS 999 (0) Air Force ROTC—Denotes students officially in the Air Force ROTC program.

ARMY ROTC

[Affiliate courses with University of Kentucky]

AMS 101 (2) Introduction to The Army—This introductory level course is designed to give students an appreciation for the role the Army currently plays in our society. The course covers the history of the Army and the roles and relationships of the Army within our society. The course also covers some of the basic skills necessary for today's leaders to include oral presentation, time management, map reading, basic rifle marksmanship and squad tactics. Prereq: Must be concurrent with AMS 250.

AMS 102 (2) Introduction to Leadership—This course is designed to acquaint the student with the fundamental skills necessary to be a leader, both in military and civilian context. Course also covers basic military map reading skills. Prereq: Must be concurrent with AMS 250.

AMS 201 (2) American Military History—Study of the development of the U.S. from a military perspective. Pre-parallel development of technology and warfare; and emphasis on the evaluation of military leadership from the historically tested principles of warfare from the Civil War to the present.

AMS 202 (2) Effective Military Communication—This course provides instruction and practical experience in the art of speaking and writing in the Army style. Students will demonstrate competency through a series of oral presentations and writing assignments. Small unit tactics and map reading skills will also be used in the implementation of the oral presentations.

AMS 211 (2) Advanced Leadership I—This course focuses on both theoretical and practical aspects of leadership. Students will examine topics such as written and oral communication, effective listening, assertiveness, personality, adult development, motivation, and organizational culture and change. Prerequisite: AMS 101 and 102, or consent of instructor. Must be concurrent with AMS 250.

AMS 212(2) Advanced Leadership II—This course focuses principally on officership, providing an extensive examination of the unique purpose, roles, and obligations of commissioned officers. It includes a detailed investigation of the origin or our institutional values and their practical application in decision making and leadership. Prerequisite: AMS 101, 102 and 211, or consent of the instructor. Must be concurrent with AMS 250.

AMS 250 (1) Basic Military Science Lab—A hands-on practicum which exposes the student to the military skills required for basic technical and tactical competence to enter the Advanced Course. Laboratory, two hours per week and two week-end exercises. May be repeated to a maximum of four credits.

AMS 301 (3) Leadership & Management I—Course of study in development of basic skills required to function as a manager; study of leadership styles, group dynamics, communication, motivation and military instruction methods; and school of the soldier and exercise of command. Prerequisite: AMS 101, 102 graduate or undergraduate student (male or female), successful completion of basic course or basic camp, physically fit to pursue program;

consent of PMS. Must be concurrent with AMS 250. [Satisfies Foundations PED 100 requirement.]

AMS 302 (3) Advanced Tactics—Small unit tactics and communication, organization and mission of combat arms units; leadership and the exercise of command. Prerequisite: AMS 101, 102, graduate or undergraduate student (male or female), successful completion of basic course or basic camp, physically fit to pursue program; consent of PMS. Must be concurrent with AMS 250.

AMS 320 (3) Advanced Studies In American Military History—This course will furnish upper level UK ROTC Cadets, and qualified History majors or minors with the methodological tools and materials needed to gain a more detailed understanding of American Military History and to put together a major research paper. AMS 320 will emphasize basic research skills: understanding historiographical debates within a military framework, developing effective note taking, outlining techniques, picking a feasible research topic, finding useful primary sources and drawing inferences from them, examining American military campaigns and leaders in order to complete a battle analysis, and short research assignments. Prerequisite: Consent of instructor.

AMS 341 (3) Leadership & Management II—An advanced study of logistics, operations, military administrations, personnel management, military justice, world change and military implications, service orientation and leadership training. Prerequisite: AMS 301, 302. Must be concurrent with AMS 250.

AMS 342 (3) Command Management—An advanced study of logistics, operations, military administration, personnel management, military justice, world change and military implications, service orientation and leadership training. Prerequisite: AMS 301, 302. Must be concurrent with AMS 250.

AMS 350 (1) Advanced Military Science Lab—A hands-on practicum which exposes the student to the military skills required for advanced technical and tactical competence as an Army officer. The course affords junior and senior cadets opportunities to develop and refine their leadership style and abilities under differing constraints and environments. Laboratory, two hours per week and two weekend exercises. May be repeated to a maximum of four credits. Prerequisite: AMS 101, AMS 201 AMS 202, and AMS 250. Concurrent: AMS 301, 302, 341 or 342.

AMS 999 (0) Army ROTC—Denotes students officially in the Army ROTC program.

ART & DESIGN

ART 100 (3) Understanding Art—Exposure to elements, principles and periods in art. Exposure to studio components, through guided exercises and gallery visits are an integral part of the course. Fee. (Typically Fall & Spring)

ART 110 (3) Art & Creativity in Practice— Experiential course that promotes the processes of creativity necessary for visual art and design; applicable to any discipline. This course will engage imagination, haptic experience and discovery to transcend traditional ideas/rules/patterns to create meaningful new ideas and infuse them in a variety of experimental visual projects. Fee. (Typically Fall & Spring)

ART 111 (3) Introduction to 2D Form and Design—The introduction to the fundamental principles and elements of two-dimensional design and the technical skills required to apply them in various media. The student learns how to

structure intelligent and creative solutions to specific design problems and to evaluate those solutions according to critical standards. The nature and meaning of the creative process and the expressive potential of visual form are addressed. Fee. (Typically Fall & Spring)

ART 112 (3) Introduction to 3D Form & Design—Explores spatial principles through a series of projects involving concept generation, technical construction, and expressive intent with a variety of materials. Fee. (Typically Fall & Spring)

ART 123 (3) Introduction to Drawing—An introduction to drawing as a means of seeing and formulating ideas in visual form. Explores the basic concepts and formal devices of drawing. Working in various drawing media builds a practical understanding of drawing as the foundation for all visual thinking. Three hours of laboratory per week. Fee. (Typically Fall & Spring)

ART 212 (4) Stained Glass—Five works in stained glass using mosaic, copper foil, and lead construction. Concern for good design and construction. Three hours of laboratory per week required. Fee. (Typically every other Fall—odd years)

ART 222 (4) Ceramics—An introduction to the complete ceramics process. Techniques in clay formation, decoration, firing, and potter's wheel are taught with an emphasis on the expressive potential of utility. Three hours of laboratory per week required. Fee. (Typically Fall & Spring)

ART 231 (3) Intermediate Design & Color Theory—Further exploration of the principles and elements of design. Develops awareness of the theoretical and expressive significance of color in pictorial space. Prerequisite: ART 111 is strongly recommended. Fee. (Typically Fall)

ART 233 (4) Figure Drawing—Further develops lessons introduced in ART 123 by addressing the classical subject of the live model in an intensive studio context. Various media. Three hours of laboratory per week required. Prerequisite: ART 123. Fee. (Typically Spring [Wilmore campus], and offered in Fall Paris Semester Program)

ART 242 (3) Watercolor—Introduces the basic techniques of traditional watercolor. While the emphasis is on the handling of the media, principles of form and composition are also addressed. Three hours of laboratory per week required. Fee. (Occasional Offering)

ART 251 (3) Art History Survey I: Ancient through Medieval—Examination of major developments in art and architecture from prehistory through the 14th century, with consideration given to the dominant political, religious, and social concerns of each period. Fee. (Typically Fall)

ART 252 (3) Art History Survey II: Renaissance through 20th Century—Broad survey of the principal innovations in art and architecture in the West from the Renaissance to the present. Fee. (Typically Summer online and Fall as part of Paris Semester)

ART 254 (3) Graphic Design I—Fundamental design principles within the context of graphic design, using industry-standard page-layout and digital image-editing software. Two-dimensional visual communication is reinforced, along with typographic principles and a survey of graphic design processes, through problem solving projects and exercises. Three hours of laboratory per week required. Fee. (Typically Fall & Spring)

ART 266 (3) Intro to Photography—Introduction to seeing photographically. Emphasizes critical thinking, photography's history, and thoughtful evaluation of photographs. Methods and practice are also covered, including equipment, history, basic digital imaging, and presentation, culminating in a final

portfolio. Requires an SLR camera (film or digital) with manual functions. Fee. (Typically Fall & Spring)

ART 292 (3) Working In The Visual Arts—Prepares student for advanced study in their chosen emphasis. Combines faculty mentorship with a chance to learn the principles and practice of presenting, exhibiting, curating, and documenting artwork. Students learn to identify areas of interest and begin the process of self-propelled art creation and/or research. Ideally taken in sophomore year. Fee. (Typically Spring)

ART 300 (3) Art Theory & Criticism—Historical survey of critical methods and theories by which "art" and the "artist" have been defined and assessed. Theological perspectives on the visual arts are addressed. Prerequisite: ART 251 or 252. Fee. (Typically every other Spring—even years)

ART 322 (3) Ceramics II—Intermediate studio course building on the foundations on Ceramics I. Design, concept development, sculptural application and surface considerations will be explored. Emphasis on contemporary ceramic practices and the development of one's own creative expression within the medium. Three hours of laboratory per week required. Prerequisite: ART 222. Fee. (Typically every other Spring—odd years)

ART 340 (4) Traditional Black & White Photography—Intermediate studio course that introduces black and white darkroom craft as a form of artistic expression. Students learn traditional silver-based light sensitive processes and darkroom techniques, and medium- and large-format camera equipment usage. Students will also study the medium's history from the early twentieth century to present times. Three hours of laboratory per week required. Prerequisite: ART 266. Fee. (Typically Fall)

ART 356 (3) Digital Darkroom & Imaging—Covers digital imaging techniques from capture to print. This course is designed to prepare the student for both commercial and fine arts applications. Various methods, tools, and techniques of digital imaging and efficient post-production workflow are covered, along with editing, manipulation, file management and preparation, and scanning. Access to DSLR required. Three hours of laboratory per week required. Prerequisite: ART 266. Fee. (Typically Spring)

ART 360 (3) Aesthetics—Aesthetics is the study of how certain sensory experiences come to be considered distinctly "artistic", beautiful, musical, poetic or sublime. An understanding of aesthetics enlarges the way we think about human flourishing in general and the ways in which we think about the fine and performing arts in particular. This course will explore the aesthetic theory of influential philosophers from classical Greece to the present (such as Plato, Aristotle, Hume, Kant, and Adorno) along with theologians who have addressed the intersection of theology and aesthetic experience. The course will consist of readings and class discussion; evaluative looking and listening assignments; presentations; and a book review. Prerequisites: Students must have at least sophomore status and have had at least one previous course in the visual and/or performing arts (e.g. music, art, theatre) or philosophy. Fee. (Typically every other Spring—odd years)

ART 372 (3) Sculpture—Investigation of the major issues and techniques of contemporary sculptural practice including materials choice, formation process, and idea development. Three hours of laboratory per week required. Prerequisite: ART 112. Fee. (Typically every other Spring—even years)

ART 381 (4) Painting—This course introduces the basic concepts and techniques of representational painting in

acrylics and oils. The emphasis lies in developing technical proficiency and visual acuity as the foundation for imaginative formal expression in paint. Three hours of laboratory per week required. ART 123 or ART 111 are strongly suggested as pre-requisite or taken concurrently. Fee. (Typically Fall)

ART 390 (4) Printmaking—Students learn the procedures, techniques, vocabulary and implications of using relief and screen-printing processes. Three hours of laboratory per week required. ART 123 is strongly recommended as pre-requisite. Course includes studio work hours. Fee (Typically Fall)

ART 396 (3) Contemporary Art Seminar—Students engage the ideas, practices and broader context of art produced today. The course includes traveling to Chicago to view art, research and discuss current art exhibitions and publications. Repeatable. Fee. (Typically Spring)

ART 403 (4) Studies in Painting & Drawing—This studio course continues the practice, study, and craft of painting and/or drawing laid out by ART 381 and ART 233 with additional attention given to research skills and focused expression of the disciplines through a studio classroom setting. Course will prepare the student for painting or drawing focus classes (depending on student's choice of emphasis). This course may (with professor's permission) be repeated as a substitute for a focus class. Three hours of laboratory per week required. Repeatable. Prerequisites: ART 381. ART 231 and 233 are strongly recommended as pre-requisite or taken concurrently. Fee. (Typically Spring)

ART 435 (3) Internship—Students work under joint supervision of professor and on-the-job supervisor in appropriate setting. Requires prior approval of work setting, and minimum of 120 hours of documented field work. Prerequisites: junior standing and departmental approval. Fee. (Contract course, also part of Paris Semester)

ART 450 (3) Advanced Art Practice Seminar—Group seminar course designed to sharpen the individual student's personal vision, in preparation of the Senior Art Thesis. The student will be expected to generate work in their chosen concentration (painting, sculpture, photography, ceramics, drawing, graphic design, or art history), and to share their progress in regular critique sessions, as a part of the seminar format. Research and articulation of other artist's work and various influences is expected of each student. Assessment will be based on: a) written projects, meeting or exceeding a pre-established amount of work (as demonstrated in critiques), and b) whether growth in the student's resulting body of work is evident overall. Technical consultation with the students' respective discipline-specific professors is expected to be ongoing and as-needed. Prerequisites: Junior or Senior status; at least introductory level course in chosen area of specialization. Repeatable. Fee. (Typically Fall & Spring)

ART 452 (3) Graphic Design II—Builds on ART 254 in considering critical analyses in graphic design and its larger cultural impact. Introduces vector graphics software and further study of page layout and digital image-editing tools. Three hours of laboratory per week required. Prerequisite: ART 254. Fee. (Typically Fall & Spring)

ART 456 (3) Advanced Topics in Art History—This course aimed at juniors and seniors provides in-depth exposure to and examination of a specific art historical topic such as 20th-century Art; Renaissance Art; Asian, African or Latin American Art; or Christianity and Art. Topics change yearly. In addition to exposure to course content students develop an independent, major research project culminating in a paper

and oral presentation. Prerequisite: ART 251 or 252. Repeatable. Fee. (Typically every other Spring—even years)

ART 475 (1) Senior Seminar—Capstone Seminar dealing with what it means to have a liberal arts degree in Art, as well as making plans for relevant graduate education and career opportunities. Senior Seminar is normally taken in the fall semester of the year in which the student will carry out their senior exhibit, or senior art historical research. Prerequisite: senior status. Fee. (Typically Fall)

ART 477 (3) Senior Art Thesis—A student in studio art mounts a professional-quality exhibition of a body of work created for the Art major in the University gallery or other designated space. The exhibit must meet faculty approval both as proposed and as installed. The student completing an art history emphasis presents research at the public annual art history symposium or independently curates a show on or off campus. Prerequisite: senior status and recommendation of department following junior review. Fee. (Contract course)

BIOLOGY

BIO 100 (3) Biological Science—Specifically designed, in conjunction with BIO 101, to satisfy the natural science Foundations requirement for non-science majors. Emphasis is placed on the nature, methodology, and limitations of biological scientific investigation, as well as on selected topics relevant to humans, including cell biology, genetics, evolution, and ecology. Corequisite: BIO 101. (Typically Fall & Spring)

BIO 101 (1) Biological Science Lab—In conjunction with BIO 100, satisfies the natural science Foundations requirement for non-science majors. Emphasis is placed on using the methodologies of science for problem solving, and on distinguishing among pure, applied, and technological aspects of biological science. Specific labs highlight concepts presented in BIO 100 and cover cell biology, genetics, evolution, and ecology. Three-hour lab per week. Corequisite: BIO 100. Fee. (Typically Fall & Spring)

BIO 121 (1) Mission Farm I—This is an introductory experiential study of the process of establishing and running a sustainable farm. Knowledge about food production and how it can be used to begin and foster relationships especially in the context of mission will be presented. Students will acquire skills needed to plan, establish, maintain and harvest a garden. There will be an emphasis on transferability of this knowledge to other cultures, especially on the mission field. (Typically Fall)

BIO 122 (1) Mission Farm II—This is a continuation of the fall Mission Farm Project class. More advanced topics in sustainable farming will be covered in the context of developing the farm and transferring these principles to the mission field. Fundamentals of small livestock husbandry will be covered especially with regard to the role they play in sustainable farming. (Typically Spring)

BIO 201 (3) General Biology I—First course in a one-year sequence designed to be taken by students majoring or minoring in biology or biochemistry. Included is coverage of cell biology, ecology, genetics, and evolution. Philosophy and methodology of science will also be treated from a Christian point of view. High school biology and chemistry are assumed. Three hours lecture per week. Corequisite: BIO 203. (Typically Fall)

BIO 202 (3) General Biology II—Second course in a one-year sequence designed for students majoring or minoring in biology or biochemistry. Emphasizes biological classification

and organismal biology, including a survey of plant and animal organ systems. Three hours lecture per week. Corequisite:

BIO 204. (Typically Spring)

BIO 203 (1) General Biology Lab I—In conjunction with BIO 201, satisfies Foundations requirement for a natural science. Emphasis is placed on using the methodologies and tools of science. Developing computer and research report writing skills are integral to the course. Subject matter parallels BIO 201 and includes labs on ecology, cell biology, genetics, and evolution. Three-hour lab per week. Corequisite: BIO 201. Fee. (Typically Fall)

BIO 204 (1) General Biology Lab II—In conjunction with BIO 202, satisfies Foundations requirement for a natural science. A variety of laboratory techniques, including microscopic observation, dissection, and computer data analysis will be used to investigate the biological systems of organisms within the five kingdoms of classification. Three-hour lab per week. Corequisite: BIO 202. Fee. (Typically Spring)

BIO 211 (3) Microbiology—A comprehensive study of the microbial worlds. Bacterial structure, reproduction, and growth are described. Emphasis is placed on microbial-related disease processes, microbial control and identification of common and medically-important bacteria and parasites. Also includes discussion of microbial genetics and virus replication. In conjunction with BIO 213, satisfies Foundations requirement for a natural science. Three hours lecture per week. Corequisite: BIO 213. (Typically Fall)

BIO 213 (1) Microbiology Lab—Introduces students to the basic microbiological techniques used in the laboratory for the isolation, growth and/or identification of medically important bacteria, fungi and parasites. Special emphasis is placed on identifying "unknown" microbes, utilizing various morphological and biochemical tests. Experimental data is obtained to study the effects of selected physical and chemical factors on bacterial growth. Two 75-minute labs per week. Corequisite: BIO 211. Fee. (Typically Fall)

BIO 217 (3) Environmental Science—Provides a sound foundation in basic principles and unifying concepts of environmental science. Current environmental issues are also covered, with emphasis on the ecological, economic, and human health impacts of air and water pollution, global climate change, ozone depletion, acid rain, hazardous and solid waste, alternative energy resources, soils, deforestation, overfishing, biodiversity, and endangered species. Intended both for biology majors and non-biology majors. Three hours lecture per week. Corequisite: BIO 219. (Typically every other Fall)

BIO 219 (1) Environmental Science Lab—Applies ecological principles to current environmental problems using experimental and statistical analysis techniques. Exercises are carried out in the lab and in the field. Topics include energy production, consumption, and conservation, soil, air, and water quality testing, and human impacts on plant and animal populations. In conjunction with BIO 217, satisfies Foundations requirement for a natural science. Three-hour lab per week. Corequisite: BIO 217. Fee. (Typically every other Fall)

BIO 221 (3) Ecology—Presents the theoretical basis for modern ecology: laws of thermodynamics, population dynamics, evolutionary adaptation, the earth's weather machine, physiological ecology, marine ecology, and nutrient cycling. Three hours lecture per week. Prerequisites: BIO 201/203, BIO 202/204. Corequisite: BIO 223. (Typically every other Fall)

BIO 223 (1) Ecology Lab—Provides practical learning experiences in major ecological principles. Exercises are conducted both in the field and the laboratory. Topics include population dynamics, community structure and dynamics, biodiversity, soils, and behavior. Collection and evaluation of data are important components of the course. Three hour lab per week. Corequisite: BIO 221. Fee. (Typically every other Fall)

BIO 227 (3) Aquatic & Wetland Biology—Provides an overview of the biology and ecology of aquatic systems with an emphasis on the diversity and taxonomy of organisms residing in these habitats. The processes dictating the characteristics of freshwater ecosystems (energy flow, nutrient flow, movement of water) are examined as well as the impact of anthropogenic perturbations on these processes. Additional topics discussed in the course include constructed wetlands, aquatic toxicology, infectious aquatic microorganisms and their control, trophic states, and extreme aquatic environments. Students exit the course with a strong foundation in the many facets of aquatic biology and familiarity with aquatic flora and fauna. Three hours lecture per week. Prerequisites: BIO 201/203. Corequisite: BIO 229. (Typically every other Spring)

BIO 229 (1) Aquatic & Wetland Biology Lab—Emphasizes taxonomy of freshwater aquatic and wetland species with a focus on Kentucky fauna. Methods used in aquatic biology play a central role in the course and students practice these techniques in the field. Collection and identification of Kentucky species of fish, mussels, crustaceans, amphibians, reptiles, and herbaceous and woody plants as well as first-hand observations of ecosystem characteristics and processes are a central theme in the course. Three hour lab per week. Corequisite: BIO 227. Fee. (Typically every other Spring)

BIO 252 (3) Nutrition—The basic principles of human nutrition are studied and then applied to the nutritional needs of humans at the various stages of the life cycle. The chemical and physiological approach is emphasized. (Typically every other Spring)

BIO 262 (3) Human Physiology—The functions of the human body tissues, organs and organ systems are studied. Specifically designed for pre-nursing, and pre-physician assistant students. (Typically every other Spring)

BIO 272 (3) Principles of Plant Biology—The course provides an introduction to plant structure and physiology, development, reproduction, classification, diversity, and the roles plants play in ecological systems. The different ways humans depend on, and impact, plants in our changing world are also discussed. Three hours of lecture per week. Prerequisite: BIO 202/204. (Typically every other Spring)

BIO 274 (1) Principles of Plant Biology Lab—The course provides experimentation that introduces students to numerous aspects of plant taxonomy and physiology. Experiments examining plant hormones, photosynthesis, transpiration, plant genetic modification, detection of plant transgenes, and plant tissue culture are included. Additional labs examine the morphology and life histories of major plant taxonomic groups. Three-hour lab per week. Prerequisite: BIO 202/204. Fee. (Typically every other Spring)

BIO 280 (3) Scientific & Medical Terminology—Designed to provide science and pre-professional health majors with a basic knowledge of the linguistic principles inherent in the specialized vocabulary of medical science. (Typically every other Spring)

BIO 322 (3) Genetics—A basic knowledge of Mendelian genetics is assumed. Traditional topics such as Mendelian genetics, meiosis, cytogenetics and population genetics are covered. Emphasis is also placed on modern molecular genetics including DNA organization, protein synthesis, gene control and recombinant DNA technology. Prerequisites: BIO 201/203 and 202/204. (Typically every other Spring)

BIO 331 (3) Human Anatomy—A comprehensive study of mammalian anatomy approached through a detailed examination of the organ systems of the human body. Designed for science majors and required for pre-nursing students. (Typically Fall)

BIO 333 (1) Human Anatomy Lab—A laboratory approach to the study of mammalian anatomy, including a detailed dissection of *Felis domesticus*. This lab is a corequisite: for BIO 331. In conjunction with BIO 331, satisfies Foundations requirement for a natural science. Three-hour lab per week. Fee. (Typically Fall)

BIO 341 (2) Ethical Issues—Designed to help the students explore, from a biblical perspective, ethical issues involved in the practice and application of science. Prerequisite: Sophomore status. (Typically Spring)

BIO 352 (3) Physiology—Provides students with an introduction to the function and regulation of the human body with an emphasis on the integration of organ systems to maintain homeostasis. Includes a detailed discussion of musculoskeletal, nervous, circulatory, respiratory, digestive, urinary, immune, reproductive, and endocrine system physiology. Discussions of cell structure and metabolism, respiration, and cell transport are also included. Seeks to develop the student's conceptual and quantitative skills and to prepare the student to understand the nature and potential consequences of common diseases. Prerequisites: BIO 201/203, BIO 202/204, CHE 121/123. Corequisite: BIO 354. (Typically Spring)

BIO 354 (1) Physiology Lab—Provides the student with experience in the collection of physiological data pertaining to metabolism, osmoregulation, membrane permeability, muscle contraction, blood pressure, and neurotransmitter modulation of cardiac output. Both human and animal models are utilized, and laboratory skills used in the collection of physiological data such as muscle preparation, blood collection, dissection and electrophysiological measurements are emphasized. Three-hour lab per week. Prerequisites: BIO 201/203, BIO 202/204, CHE 121/123. Corequisite: BIO 352. Fee. (Typically Spring)

BIO 372 (3) Cell and Molecular Biology—An introduction to the regulation of cellular structure and function at the molecular level with an emphasis on the study of enzymes and nucleic acids. Three hours of lecture per week. Prerequisites: BIO 201/203, BIO 202/204, CHE 121/123, CHE 122/124, CHE 201/202. (CHE 201 may be taken as Corequisite: by permission of instructor). (Typically Fall)

BIO 374 (1) Cell and Molecular Biology Lab—Provides students with experience in various molecular biology techniques that are used in many fields of biological investigation. Techniques include, but are not limited to, protein isolation, agarose and polyacrylamide gel electrophoresis, RNA isolation, cDNA synthesis and analysis, polymerase chain reaction, bacterial transformation and histological staining of tissue samples. Students will gain experience using instruments that allow digital data collection and analysis. Formal laboratory reports will be generated by

students using a mock "peer review" system. Three-hour lab per week. Corequisite: BIO 372. Fee. (Typically Fall)

BIO 379 (3) Immunology—An introduction to the biology and chemistry of the immune system. Includes discussion of antigen/antibody reactions, antibody synthesis, humoral and cell-mediated immunity, tolerance, the role of the immune system in disease related processes, and immuno-assay procedures. Includes several laboratory exercises. (Typically every other Spring)

BIO 391 (1-3) Independent Study—Offered by consent by supervising instructor in the biology department. A topic is established by negotiations with the instructor. A student may not take more than 6 hours. (Contract course)

BIO 393 (1-4) Seminar—Discussion of selected topics. May be offered in conjunction with other departments or as a separate course primarily for biology students. (Occasional Offering)

BIO 399 (1) Introduction to Biological Research—A practical experience which introduces the student to the methods of biological research and writing. The topic for an independent research project (for BIO 400) is chosen; a literature search is initiated; and essential laboratory techniques pertinent to the project are mastered. Prerequisite: Junior standing and a minimum of 12 hours each of biology and chemistry. (Typically Spring)

BIO 400 (1-2) Senior Research in Biology—Required of all biology majors. Students will, under faculty supervision, independently design and carry to completion an independent, scientific research project of a biological nature. A senior research paper must be written at the completion of the project. Students must earn a total of at least 2 credits but may take 1 credit per semester in their senior year. Prerequisite: Senior standing and completion of BIO 399. (Contract course; Typically Fall)

BIO 475 (1) Senior Seminar—Designed to provide practical experience in the oral presentation of a scientific paper. Students will prepare and present a seminar on their research projects (BIO 400). Prerequisites: Senior standing and BIO 400. (Typically Spring)

BIBLE-THEOLOGY

BTH 300 (3) Bible, Culture, and Justice—This course will explore the biblical mandate to love our neighbors as ourselves (Lev 19:18; Mark 12:31). Drawing from all parts of Scripture, students will study biblical passages relating to some of the pressing issues Christians face in contemporary society such as human trafficking, poverty and economic justice, abortion and child welfare, discrimination, gender roles and sexual identity. The goal of the course is not to provide students with a pat answer for each issue, but to equip students with tools to evaluate and respond in Christian ways to these concerns. (Pre-requisites: OT 100 and NT 100). (Typically every other Spring)

BTH 320 (3) Biblical Interpretation—A study of the methods and principles of biblical interpretation. It includes an application of interpretive principles to such areas as literary genre, historical and theological issues, the history of interpretation and the relationship between the testaments. Prerequisites: OT 100 and NT 100. (Typically every other Spring)

BTH 330 (3) Defending the Christian Faith—An introduction to Christian apologetics: the church's reasoned, faithful responses to problems and criticisms of the Christian faith.

The course (a) surveys the range of approaches to apologetics; (b) evaluates the kinds of evidence used (philosophical/theological, scientific, scriptural, ecclesiastical, and spiritual); and (c) explores the Christian responses to skepticism on various issues (e.g., the existence of God, miracles, historicity of Jesus' resurrection). (Pre-requisites: OT 100 and NT 100). (Typically every other Fall)

BTH 340 (3) Holiness and the Christian Life—This course explores the biblical, theological, and historical foundations of Christian holiness and its relation to the doctrine of salvation. Special emphasis will be given to a Wesleyan understanding of holiness, and its relevance in relation to contemporary expressions of Christian spirituality. (Pre-requisites: OT 100, NT 100 and TH 250). (Typically every other Fall)

BTH 435 (3) Internship—The application of ministry principles in an actual ministry setting, with a primary focus on pastoral ministry. Supervised by appropriate ministry personnel. Credit/No Credit. Prerequisites: JR/SR status; major/minor only. (Contract course)

BTH 475 (1) Senior Seminar—A discussion-oriented course examining issues in biblical and theological studies. Requirements include readings and written reflections, with a required ministry experience for pre-ministry majors. Credit/no credit. Passing grades are based on fulfillment of requirements, attendance and participation. (Typically Fall)

BUSINESS

BU / BUA 100 (3) Introduction to Business & Personal Finance—This course will provide a general understanding of the field of business through a broad study of the economic environment in which business is conducted, the various functions of business operations, and the relationship of business to government. Students will be introduced to the global factors that influence business, society, individual careers, and national standards of living. In addition, students will be introduced to important topics within personal finance that will help them understand how to be more informed consumers and participants in ongoing debates concerning business and the economy. (Occasional Offering)

BU / BUA 211 (3) Principles of Management—The topic of management is introduced from a business leadership perspective. Students will be exposed to methods of motivation, group management and how to work in virtual teams. The topics of innovation and entrepreneurship are also explored to understand how each person can have impact on the world. Learning about how to implement successful change and the ideas of corporate social responsibility conclude the study of management. Fee. (Typically Fall & Spring)

BU / BUA 250 (3) The Business of Care, Help, and Development—(MM Program) People of faith, like everyone else, are active participants in a business-dominated world. Developing a clear understanding of how the business world runs, and more importantly, having our faith perspective define and dictate how we understand and behave within this world—is the primary intent of this class. Specifically, the course will focus on several key attributes:

- First, we will explore our Christian anthropology, and the relationship between this anthropological makeup and commercial activity (i.e., business).
- Second, we will describe poverty in its most pervasive forms: Economic, Social, and Spiritual.

- Next, we will explore the Biblical mandate to address these forms for poverty.
- Further, we will incorporate key insights from the field of business in order to think carefully about how we fulfill our Biblical mandate to serve others and address poverty (i.e., how do we care in an effective, helpful way?) Here we will borrow from a growing body of scholarship to help us think carefully in these areas.
- Finally, the course will involve practical application: What does it mean to apply our learning to specific ministry contexts? (Typically Fall)

BU / BUA 253 (3) God, Faith, & The Marketplace—The purpose of this course is to unite key business principles with Wesleyan theological insights for students in the Howard Dayton School of Business. Understanding our Christian anthropology, in addition to our heritage and key beliefs, is a necessary antecedent to future business courses in the HDSB and, eventually, the professional business world. Specifically, this course will explore the more common ethical traditions and their moral claims relative to the marketplace and the business world. Moreover, the course will aim to explicitly incorporate Wesleyan Theology and its applications for modern business practice. (Typically Spring)

BU / BUA 261 (3) Business Analytics I—Students will engage in finite mathematical applications, basic statistics, and probability within a business context. Furthermore, students will explore contemporary applications of data storage, extracting, and analysis within the business sector. Specifically, a managerial understanding of big data, data mining, and data collection will be considered. Prerequisite: MAT 111 or MAT 120 or equivalent. (Typically Fall & Spring)

BU / BUA 262 (3) Business Analytics II—This class will address advanced statistical topics including forecasting, multivariate regression, and regression diagnostics used in business. Furthermore, students will engage and utilize advanced research tools (Excel, SPSS, Minitab) in order to carry out and interpret high-level statistical analysis. This course ends with a full scale research project and presentation. Prerequisite: BU/BUA 261. (Typically Fall & Spring)

BU / BUA 281 (3) Give, Save, Spend—This course is designed to familiarize the student with the following topics which will aid in personal money management: personal family budgeting and banking, insurance principles (property, liability, health, and life insurance), financial loans, income tax, investment principles, retirement and estate planning. (Typically Fall & Spring)

BU / BUA 312 (3) Small Business Management—This course examines the development and management of the business venture. Topics include: the innovation idea, the development of business and financial plans, feasibility studies, alternative modes of financing, and the launching of the venture. (Typically Fall)

BU / BUA 321 (3) Business Law I—An introduction to the American Legal System including an overview of both civil and criminal procedure. A study of the applications of legal principles to business transactions. Substantive areas to be considered include: Contracts, Commercial Paper, Sales, Real Property, Personal Property, Wills and Trusts, Agency, Torts, Business Crimes. (Typically Fall)

BU / BUA 322 (3) Business Law II—An examination of government influence on business and the societal obligations of the business professional and firm, as required by law and public policy. Continued study of substantive legal principles

governing business transactions. Subjects surveyed include: Corporations, Partnerships, Secured Transactions, Bankruptcy, Antitrust Law, Labor Law, Securities Regulations, Consumer Protection Laws, and Professional Liability.

Prerequisite: BU/BUA 321. (Typically Spring)

BU / BUA 325 (3) Social Entrepreneurship—

Entrepreneurship in itself is bringing forth something new and assuming the risk of implementing it. Social entrepreneurship intertwines the innovative spirit with the societal impact to empower others in the quest for sustainable change. This course explores the concepts, theories and practice of social entrepreneurship domestically and internationally. (Typically Fall)

BU / BUA 331 (3) Human Resource Management—A study of issues related to attracting, motivating, and retaining employees. This course discusses the activities of planning staffing, appraising, compensating, training and developing, improving, and establishing work relationships with employees. Prerequisite: BU/BUA 211. (Typically Spring)

BU / BUA 335 (3) International Business Ventures—This course examines the unique issues faced by business ventures engaging in international activities; the influences of economic, political, legal, and cultural environments on international business operations and management. The dynamics of religion, beliefs, language, legal environments, and politics that influence leadership, motivation, communication, ethical concerns, and management decision-making are discussed. This course utilizes case studies and discussions with special emphasis on small and medium businesses as well as new ventures. Prerequisite: BU/BUA 211, MKT/MKA 241, ECN/ECA 100 or ECA/ECN 273. (Occasional offering)

BU / BUA 339 (3) Business as Mission—This course examines the role of business in missions. The general areas covered in this class are comprised of: 1) the philosophy of business as mission; 2) practical issues related to using business as a method for cross-cultural missions; and 3) an investigation of the spectrum of business models employed. By utilizing case studies, students in the course will have a better understanding of the opportunities and challenges associated with integrating business and missions. (Typically Spring)

BU / BUA 391 (1-3) Independent Study—Independent study projects with required written reports approved and directed by a member of the Business Management faculty. (Contract course)

BU / BUA 393 (1-3) Seminar—Designated special-interest classes, seminars, or field experiences supervised by faculty, with the appropriate course requirements. Credit may be given more than once. (Typically Fall & Spring)

BU / BUA 410 (3) Management of Innovation—An introduction to tools and concepts that will help understand the role of emerging technologies, as well as identify opportunities and possibilities for competitive advantage through innovation. Specific topics covered include sources and models of innovation, innovation strategy, and new product development. (Typically every other Spring)

BU / BUA 412 (3) Organizational Behavior & Structure—This course provides an overview of topics in the field of organizational behavior. Topics covered include leadership, motivation, teamwork, decision processes, conflict, organizational change, and learning. The course will focus on how to improve productivity, job satisfaction, and commitment. Elements of regulatory and legal environment on businesses

will also be integrated in the course. Prerequisites: BU/BUA 211. (Typically Spring)

BU / BUA 413 (3) Strategic Management Capstone—This is a capstone course for all graduating senior Howard Dayton School of Business majors (juniors by permission). It is designed to provide a collective view of the application of the business theory that has been learned in the core business curriculum. Evaluation of various operational models, formulation of alternative courses of action, and translating objectives and strategy into current operational plans will be reviewed. The course will focus heavily on case analysis and formal presentation. Prerequisites: BU/BUA 211, and ECN/ECA 100 or ECN/ECA 272. (Typically Spring)

BU / BUA 415 (3) Entrepreneurship I: Business—This course provides an overview of the opportunity recognition/evaluation process by examining how to identify and create entrepreneurial opportunities. Students will learn how to create a value proposition and business model and apply various marketing research techniques that will enable them to make sound decisions about new products or services in either an existing firm or new venture. (Occasional offering)

BU / BUA 420 (3) Entrepreneurship II: Finance & Venture Capital—This course focuses on the financial aspects of venture creation. Topics include pro forma development and review, business valuation models, cash flow analysis, and raising capital from private investors, venture capitalists, and banks. (Occasional offering)

BU / BUA 430 (3) Nonprofit Leadership & Management—This course is a survey of the operational and management practices of non-governmental, nonprofit organizations. There are key features that differentiate nonprofit organizations within organizational design, governance structures, board and community relations, fiscal structures and the regulatory environment. These topics will be covered as they specifically relate to the non-governmental, nonprofit organizations. (Typically every other Fall)

BU / BUA 435 (3) Internship—Students are placed with cooperating firms for on-the-job training in business and accounting. Written reports to be submitted by the firm and by the student to the professor. This is an option for the student and will be tailored to fit the student's needs as far as possible. Consent of the instructor must be secured. (Contract course)

BU / BUA 440 (3) Nonprofit Fundraising, Grant Writing & Philanthropy—Revenue generation is critical for the going concern of any non-governmental nonprofit organization. This is accomplished through fundraising, grants, contracts and philanthropic efforts that will be examined during this course. Evaluation of current fundraising strategies and hands-on experience with grant writing are highlights of the course content. (Occasional offering)

BU / BUA 445 (3) Fiscal & Performance Management of a Nonprofit—This course will introduce the requirements of adequate financial systems for nonprofit organizations. This includes the form and content of reports as well as performance management techniques and analysis. It will also focus on understanding how to develop budgets, manage daily fiscal activities, establish internal controls and meet regulatory requirements. (Occasional offering)

BU / BUA 450 (3) Community Development—This course surveys key principles and issues in community development both domestically and internationally including methods of community assessment, strategies for identifying, evaluating and implementing community-level initiatives and working with

the strengths of the community as a whole. (Occasional offering)

BU / BUA 457 (3) Operations Management—This course provides an introduction to operations and supply chain management. Topics such as quality control, product, service and facility design, project management, capacity planning and various quantitative analysis tools will be reviewed. Prerequisite: ECN/ECA 325 or BU/BUA 261. (Typically every other Spring)

CROSS-CULTURAL ENGAGEMENT

CCE 073 (0) Cross-Cultural Engagement—This credit will be listed on student's audit upon approved completion of CCE. A Cross-Cultural Engagement is defined as an immersion into another culture, engaging the student in a variety of life-spheres (family, education, religion, art, media, economics, and government). Most experiences will expose the student to cultural dynamics outside the United States and Canada. The experience must be of sufficient length and intensity to have adequate impact upon the worldview of the participant.

CHAPEL

CH 021 (0) Chapel Attendance—required each semester for traditional full time undergraduates.

CHEMISTRY

CHE 104 (4) Intro to Forensic Science—Introduction to forensic science. Emphasis is given to the basic principles of scientific investigation, and their application in the forensics. Includes crime scene techniques, ballistics, arson and explosives, blood spatter, blood chemistry, toxicology, soils, trace evidence, chain of custody. Laboratory course, including scientific procedures of observation, developing a hypothesis, experimentation, analysis of results and drawing a conclusion. Fee. Corequisite: CHE 104L. (Typically Spring)

CHE 106 (4) Science of Light and Media—This course presents the science behind the magic of media. It is a scientific survey of understanding in light and matter as it pertains to electronics used in the past and current film media. It specifically investigates the science behind video electronics, film and special effects. Emphasis is placed on the chemical and physical attributes of media to assist in the fundamental understanding of how each area works. This course presents a survey of current knowledge and theories in media. The concept behind this course is to dispel the sense of a "black box". Students interested in film and video will not only comprehend current theories, but understand how technology historically drove these changes, while recognizing future directions. Laboratory course. Fee. Corequisite: CHE106L. (Typically Fall)

CHE 111 (3) Introductory Chemistry*

CHE 115 (3) Chemistry for The Health Sciences**—Basic concepts of general, organic, and biological chemistry for *non-science majors or **pre-nursing students. Topics include electronic structure of atoms and molecules, periodicity of the elements, stoichiometry, states of matter, kinetics, equilibria, acids and bases, organic functional groups, stereochemistry, carbohydrates, lipids, proteins, and enzymes. CHE 111/113 or CHE 115/117 satisfies Foundations requirement for a natural science. Prerequisite: Math test score of ACT 22/pre-2016 SAT 510 or new 2016 SAT 540, or MAT 100. Three hours lecture per week. Corequisite: CHE113 or CHE 117. (Typically Fall)

*Non-science majors register for CHE111

**Pre-nursing students register for CHE 115

CHE 113 (1) Introductory Chemistry Lab*

CHE 117 (1) Chemistry for Health Sciences Lab**—Laboratory experience designed to complement CHE 111 or CHE 115. The laboratory exercises will highlight concepts presented in CHE 111 and CHE 115 and are designed to promote the development of laboratory and problem solving skills. One 3-hour lab per week. Fee. (Typically Fall)

*Non-science majors register for CHE 113

**Pre-nursing students register for CHE 117

CHE 121 (3) General College Chemistry I—For science and pre-medical students. An introduction to theory, principles and problem solving in inorganic chemistry. Topics include molecular structure, classification of reactions, stoichiometry, gases, thermochemistry and quantum mechanics. CHE 121/123 satisfies Foundations requirement for a natural science. Three hours lecture per week. Corequisite: CHE 123. (Typically Fall)

CHE 123 (1) General College Chemistry Lab I—Laboratory experience designed to complement CHE 121. Reinforces concepts and problem solving skills presented in lecture. In addition, students will analyze data, draw conclusions, and present results in formal written reports. One three-hour lab per week. Corequisite: CHE 121. Fee. (Typically Fall)

CHE 122 (3) General College Chemistry II—For science and pre-medical students. A continuation of introductory chemistry. Topics include molecular and intermolecular bonding, rates of reactions, equilibrium, acid-base theory, thermodynamics and electrochemistry. Three hours lecture per week. Prerequisites: CHE 121/123 or equivalent. Corequisite: CHE 124. (Typically Spring)

CHE 124 (1) General College Chemistry Lab II—Laboratory experience designed to complement CHE 122. Reinforces concepts and problem solving skills presented in lecture. In addition, students will analyze data, draw conclusions, and present results in formal written reports. One three-hour lab per week. Prerequisites: CHE 121/123 or equivalent. Corequisite: CHE 122. Fee. (Typically Spring)

CHE 201 (4) Organic Chemistry I—The first half of a two-semester course in organic chemistry. The structure, nomenclature, synthesis and reactions of the alkanes, alkenes, alkynes, and alcohols are studied, along with reaction mechanisms and structure – reactivity relationships. Prerequisite: CHE 122/124. Three hours lecture and three-hour lab per week. Fee. (Typically Fall)

CHE 202 (4) Organic Chemistry II—The second half of a two-semester course in organic chemistry. The structure, nomenclature, spectroscopy, and reactions of aromatics, ketones and aldehydes, amines, carboxylic acids and acid derivatives are studied, along with reaction mechanisms and structure – reactivity relationships. Prerequisite: CHE 201. Three hours lecture and three-hour lab per week. Fee. (Typically Spring)

CHE 321 (4) Analytical Chemistry—Basic principles, theory, and practice of quantitative analysis, including standard, traditional methods of analysis and instrumental methods of analysis. Three hours of lecture and one 4-hour lab/week. Prerequisite: CHE 122/124. Fee. (Typically every other Fall)

CHE 322 (3) Chemical Instrumentation—Modern theory and techniques of instrumental analysis, covering potentiometry, spectroscopy and chromatography. Two hours of lecture and one 3-hour lab/week. Prerequisite: CHE 122/124. Fee. (Typically every other Spring)

CHE 371 (4) Biochemistry—An introduction to cellular chemistry. Includes protein structure and enzyme function, carbohydrate, lipid and amino acid metabolism, nucleic acid synthesis and function and genetic engineering. Three hours of lecture and three hours of lab per week. Prerequisite: CHE 202 or permission. Fee. (Typically every other Spring)

CHE 382 (3) Inorganic Chemistry—Covers the following areas: 1. Theories of chemical bonding, including molecular orbital theory. 2. Symmetry and group theory, and its application to bonding. 3. Advanced topics in acid-base chemistry. 4. Survey of main group chemistry. 5. Coordination chemistry of the transition metals, including structures, bonding, spectra, and reaction mechanisms. 6. Organometallic chemistry. 7. Bioinorganic chemistry.

Prerequisites: CHE 121, 122, 201, 202. (Occasional Offering)

CHE 391 (1-3) Independent Study—Offered by consent by supervising instructor in the Chemistry Department. A topic is established by negotiations with the instructor. A student may not take more than 6 hours. (Contract course)

CHE 393 (1) Seminar—Discussion of selected topics. May be offered in conduction with other departments or as a separate course primarily for Chemistry students. (Occasional Offering)

CHE 399 (1) Introduction to Chemical Research—A practical experience which introduces the student to the methods of chemical research and writing. The topic for an independent research project (CHE 400) is chosen and the literature search is initiated. Prerequisite: Junior standing and a minimum of 12 hours of chemistry. (Typically Spring)

CHE 400 (1-2) Senior Research in Chemistry—Required of all chemistry majors. Biochemistry majors take BIO 400 or CHE 400. Students will, under faculty supervision, design and carry to completion an independent scientific research project of a chemical nature. A senior research paper must be written at the completion of the project. Students must earn a total of 2 credits but may take 1 credit per semester in their senior year. Prerequisite: Senior standing and completion of CHE 399. (Typically Fall, Contract course.)

CHE 421, 422 (4 each) Physical Chemistry—The first course (421) focuses on chemical thermodynamics and includes the study of gas behavior, the laws of thermodynamics, enthalpy, entropy, free energy, phase and chemical equilibria. The second course (422) covers quantum mechanics, spectroscopy, and chemical kinetics. Two hours of lecture, one hour of problem solving, and one 3-hour lab/week. Pre-requisite or Corequisite: PHY 201, 202 or 211, 212; MAT 181 (also MAT 182 for CHE 422). Fee. (alternate years for CHE 422). (CHE 421-Typically every other Fall; CHE 422-Typically every other Spring)

CHE 435 (3) Internship—A summer undergraduate research experience of at least 6 weeks culminating in a paper on the research. The research may take place at Asbury or at another institution. (Contract course)

CHE 475 (1) Senior Seminar—Designed to provide practical experience in the oral presentation of a scientific paper. Students will prepare and present a seminar on their research projects (CHE 400). Prerequisites: CHE 400 and senior standing. (Typically Spring)

CHURCH MUSIC

CHM 210 (2) Worship in Music—A brief examination of the history and philosophy of church music in its relation to fixed and free forms of Christian worship. Includes study of both

Western and non-Western indigenous practices. Open to all students without Pre-requisites. (Typically every other Spring)

CHM 312 (2) Church Music Administration—A philosophical and practical study of methods and materials used in the administration and leadership of congregational, choral and instrumental music in the church. Open to all students without Pre-requisites. (Typically every other Fall)

CHM 435 (3) Internship—An internship under the guidance of experienced and qualified church musicians in an approved church music program. It is designed for the student to acquire the practical experience vital to understanding a comprehensive ministry of church music. The internship may also be completed internationally, with the expectation that the student will assume full financial responsibility. (Contract course)

CHM 472 (2) Songs of the Church—An introduction to the historical and analytical study and utilization of songs intended for Christian worship. The content begins with Biblical songs and progresses to the current time. Open to all students without Pre-requisites. (Typically every other Fall)

CHINESE

CHN 101 (3) Elementary Chinese I—An introduction to spoken Chinese with emphasis on listening (especially tones) and speaking, basic vocabulary, and basic reading skills. (Typically Fall)

CHN 102 (3) Elementary Chinese II—A review and expansion of spoken Chinese building upon the skills acquired in CHN 101. Prerequisite: CHN 101. (Typically Spring)

CHN 151 (3) Chinese Culture—An introduction to Chinese culture from ancient to modern times. Students will be exposed to the essentials of the geography of China, its music, art, philosophies, and belief systems. The most famous people and events of Chinese history will be studied, along with the country's most important landmarks. Modern China and its place in the contemporary world will also be examined. All readings and discussions in English. Prerequisite: none. (Typically Spring)

CHN 201 (3) Intermediate Chinese—A course to introduce students to the first stages of intermediate proficiency in Chinese. Attention to the development of the skills of speaking, listening, reading, and writing. Prerequisite: CHN 102. (Typically Fall)

CLASSICAL LANGUAGES

[All Classics (CLA) course readings are in English with no knowledge of Greek or Latin required.]

CLA 211 (3) Classical Mythology—An introduction to classical mythology. Close reading of myths as well as the relationship of myth to areas such as art, literature, and religion will be explored. (Typically Fall)

CLA 212 (3) Classical Culture & Civilization—An introduction to classical culture and civilization, and its influence on Western society. (Typically every other Spring)

CLA 223 (3) Survey of Classical Literature—An introduction to the major authors, genres, and periods of classical literature. (Typically every other Spring)

CLA 391 (1-3) Independent Study—Independent study in a specialized field in consultation with supervising professor. Prerequisite: Completion of at least one 200-level Classical Languages course and a 3.0 GPA in Classical Languages courses or permission of professor. (Contract course)

CLA 475 (1) Senior Seminar—A course for all Ancient & Modern Languages majors where students are asked to integrate and assess their skills with literature, language, and culture. Required of all Language majors. (Typically Spring)

CHRISTIAN MINISTRIES

CM 100 (3) Ministry and Mission in the Contemporary Church—An examination of various models of the church and its ministry. Contemporary expressions of the church's mission in the world will be explored and compared to Biblical ideas, and students will develop a personal statement of ministry philosophy. Consideration will be given to the call, qualifications, and roles of ministry leaders. (Typically Fall & Spring)

CM 201 (3) Dynamics of Spiritual Growth—A study of the dynamics of Christian growth and maturity, with special emphasis on the Spirit-filled life. Concepts of discipleship and spiritual formation will be considered in the light of human developmental patterns. The course is concerned with students' own spiritual growth, and their facilitation of others' spiritual growth. (Typically Fall & Spring)

CM 211 (3) Instructional Bible Study—A Bible study skill course combined with examination and application of appropriate methods and materials for teaching the Bible. Opportunity is given in lab sessions to develop personal skills in teaching and leading small group Bible studies. (Typically Fall & Spring)

CM 213 (3) Introduction to Worship—An examination of the history and biblical base of Christian worship, including implications for the role and development of forms of worship in contemporary ministry. Fee. (Typically Spring)

CM 235 (1) CM Practicum—Opportunity for observation and practical experience in ministry settings as a means to clarify direction and call to ministry through networking with professionals serving in a ministry role. Periodic class sessions provide opportunity for interaction with peers and reflection on ministry practices. Majors and minors only. May be repeated once for credit. (Typically Fall & Spring)

CM 331 (3) Principles of Preaching—This course focuses on developing skills for effectively communicating the Christian gospel using a variety of preaching styles. Students will learn principles for planning, preparing, and delivering messages that are biblically sound and relevant to the needs of our ever-changing culture. Some class sessions will serve as labs for practicing these principles in a context of cooperative learning. (Pre-requisites: OT 100 and NT 100). (Typically every other Fall)

CM 361 (3) Worship Through the Ages—A study of worship through the lenses of Scripture and Christian history, with an emphasis on developing theological reflection skills regarding worship practices. Students develop their own philosophy of congregational worship. Prerequisite: CM 213 or WA 101. (Typically Spring)

CM 380 (3) Organizational Strategies in Ministry—A study of organizational strategies and administrative structures for effective ministry. Attention is given to planning, implementing and evaluating the organizational and administrative framework of various types of ministries. Prerequisite: CM 100. (Typically Fall)

CM 391 (1-3) Independent Study—A directed and supervised investigation of a selected research problem or issue in Christian ministry. The preparation of a scholarly paper is included. Prerequisites: EM 280, seniors only,

departmental permission required. (May not be repeated for credit.) (Contract course)

CM 393 (1-3) Seminar—The study of various issues and fields of Christian ministry, with special emphasis on trends and issues of contemporary ministry. Topics will be determined and announced for each semester the seminar is offered. (Not more than 4 hours of seminar credit may count towards a CSP department major or minor. Admission by departmental permission only.) (Occasional offering)

CM 411 (3) Leadership in Ministry—A survey of foundational principles of leadership and leadership development in ministry settings. Students develop personal leadership skills relating to team ministry. (Typically every other Spring)

CM 435 (3) Internship—The application of ministry principles in an actual ministry setting, supervised by appropriate ministry personnel. Credit/No credit. Prerequisites: Either EM 340, 350, or 360 (whichever is appropriate to the internship situation), and CM 380; JR/SR status; major/minor only. (Contract course)

CM 475 (3) Senior Seminar—A reflection upon the entire field of Christian Ministries with specific orientation toward the evaluation of experience and the setting of goals for future ministry. Senior majors and minors only. (Typically Fall)

COMMUNICATION

COM 130 (3) The Cultural Influence of Mass Media—Students develop their public speaking and critical thinking skills by examining how mass oratory and media impact culture. Starts with public speaking skills understanding what a biblical worldview means, then analyzes contemporary messages in news, television entertainment, documentaries, film, the internet, and other media. Emphasis given to recognizing the cultural formation aspects of mass media and becoming better consumers of media by evaluating messages in the light of Biblical instruction and ethics. (Typically Fall & Spring)

COM 150 (3) Public Speaking—An introduction to the theory and practice of public speaking and rhetorical analysis. Learn why and how great speeches that changed history were so effective. Students will hone their public address skills by preparing, adapting, delivering, and evaluating oral presentations. The course will culminate in a public speech for the community. (Typically Fall & Spring)

COM 200 (1) Agency Practicum—Provides Communications majors and minors with hands-on application of the concepts and skills they are learning in the classroom. Provides real-world experience in working with clients and in creating a professional setting. (Repeatable) Fee. (Typically Fall & Spring)

COM 220 (3) Interpersonal Communication—Interpersonal communication impacts the nature of all our relationships. This course explores the role of communication in the construction of the self, our perception of reality, relational development and deterioration, friendships and family, and in conflict management. (Typically Fall & Spring)

COM 221 (3) Narratives & Ideologies of Film & TV—Stories shape society, and the medium used shapes the stories. Blends mass media and narrative theory with theology as it looks at how stories are told in film, various television genres, radio, newspapers, magazines, and advertising. Emphasis given to understanding what Hollywood teaches theologically, how mass media stories shape modern culture, and then

analyzing and creating stories for moral purposes. (Typically Spring)

COM 230 (3) Leadership Skills—Individual leadership potential is best understood by exploring leadership principles and practicing day-to-day leadership skills. Leadership study and practice includes discussing the academic literature on leadership. Also, individual and practical leadership will be examined on three levels: 1) personal leadership, 2) relational leadership, and 3) the leader as social architect. (Typically Spring)

COM 251 (3) Intercultural Communication—Focuses on introducing the fundamental topics, theories and theorists, cultural values models, concepts and themes that are at the center of research in intercultural communication. The application of that information will focus on identifying, understanding, and being able to effectively apply knowledge so as to increase one's cultural intelligence, particularly in the educational and business world. (Typically Fall)

COM 261 (3) Social Media & Emerging Technologies—This course is organized around three overarching questions. First - what are social media and emerging technologies? Second - what are the effects of social media on the individual and society? Third - how can these technologies be used strategically, ethically and in line with a Christian worldview? Given the ubiquity of social media in contemporary society, answering these questions satisfactorily is important for our personal, professional, and spiritual wellbeing. (Typically Fall)

COM 271 (3) Introduction to Communication Theory—An introductory, yet diversified, examination of various theories analyzing and describing the human communication process from different perspectives. Systematic examination of models, structural components, content, audiences and effects of communication and their interaction. (Typically Fall)

COM 281 (3) Public Relations Theory & Practice—Introduces students to public relations and then lets the class put its skills into practice by operating as its own PR firm. Covers essential topics such as the importance of PR to society, ethical dilemmas, theories, crisis planning, working in cross-cultural environments and the future of PR. Students produce press releases, communication plans, and presentations. Fee. (Typically Fall)

COM 331 (3) Group Communication & Leadership—The course is a study of the structure and dynamics of small groups with participation in the specialized forms of group discussion. Students will learn about the dynamics of group interaction with emphasis on leadership, subordinate participation, and problem solving, to encourage efficient and productive small group discussions. (Typically Spring)

COM 340 (4) Researching the Big Idea—is a course introducing students to communication research methods. Students will hone skills in textual analysis, ethnographic research, focus groups, in-depth interviews, content analysis, survey design, and statistical analysis. Honing research question, conducting a literature review, reliability, validity, and systems of measurement will be explored. Students will use grounded theory to explore research design and theory testing. Corequisite COM 340L. Fee. (Typically Fall)

COM 342 (3) Communication Campaigns—Examines the intentional communication processes designed to influence a designated audience over a specific period of time. Communication processes such as campaign cycles, campaign development and maintenance, and campaign strategies for commercial, political, and social action campaigns. (Typically Every other Fall)

COM 350 (3) Organizational Leadership—How does one effectively lead an organization using good communication? This course explores best practices for servant, leading changing workforce demographics, faster reactions to change, quicker problem-solution processes, redirecting focus on success rather than failure, building unity and cohesion within growing diversity and globalization. (Typically every other Fall—even years)

COM 351 (3) Persuasion—This course examines persuasion and influence from both scientific and psychological perspectives. Basic persuasion tactics that are effective in changing attitudes and behaviors are examined in a variety of situations, and students apply learned techniques. Emphasis is also placed on learning from society's masters of communication: commercial advertisers, experienced social action activists, and the political elite. (Typically Fall)

COM 391/491 (1-3) Directed Study—A directed and supervised investigation of a selected research problem or issue in the field of applied communication. Reading and preparation of a scholarly paper or special project is included. Juniors may take 391, seniors 491; course credit for the major may be received only once. (Contract course)

COM 393 (1-3) Seminar—The study of various issues in the fields of communication and theatre arts, with special emphasis on trends and issues of contemporary communication. Topics will be determined and announced for each semester the course is offered. (Occasional Offering)

COM 397 (3) Communication Field Experience—A study of communication leadership, public relations, and international communication operations through traveling to large metropolitan cities, giving students an in-depth study of communication occupations. Sites visited include global PR firms, tours of television studios, premier museums, historic sites, and interview with Christians at the top of the communication field. Fee. Repeatable with permission of department chair. (Typically every other spring or summer)

COM 431 (3) PR Management & Strategy—This advanced PR course challenges students with case studies and familiarizes them with strategic management tools such as media monitoring, crisis planning, content analysis and questionnaire development. Students pick a client and act as their PR agency, with an emphasis placed upon media interaction and training. Prerequisite: COM 281. Fee. (Typically every other Spring—even years)

COM 435 (1-6) Internship—A supervised, work experience of one academic semester with a previously approved business firm, private, academic, or government agency. Work experience of 120 hours will be expected plus a journal and final paper. Prerequisites: junior standing, Communication major, 12 hours completed within the major, and departmental approval. (Contract course)

COM 461 (3) Social Media Marketing—The growth of social media channels and applications have changed how business conducts marketing, especially how business communicates with and interacts with consumers. This course introduces students to strategic marketing approaches needed to develop an effective social media marketing strategy for meeting organizational goals. Students will learn social media research, planning, implementation, measurement, best social media practices, and how to create successful programs and campaigns. Students will also execute a social marketing strategy, contribute to a course blog, conduct a 3-week social media campaign for a real client, and create a digital presentation analyzing their experience. (Typically Spring)

COM 475 (1) Senior Seminar—Designed to prepare communication arts students for entrance into the professional world. Topics include pursuing advanced degrees, developing a resume and portfolio, and developing a strategy for future employment in communication related fields. (Typically Fall & Spring)

CONDUCTING MUSIC

CON 311 (2) Conducting I—Study of the fundamentals of conducting. Prerequisite: MTH 112 (Typically Fall)

CON 312 (2) Conducting II—Course will include conducting skills with baton and the study of orchestral and band scores. Score reading, score study, aural skill development, interpretation, style and rehearsal techniques are all part of the study. Members of the class serve as the laboratory ensemble. Prerequisite: CON 311. (Typically Spring)

CHINA SEMESTER ABROAD

CSA 301 Christianity & Chinese Culture (3)—Explores the development and characteristics of Chinese culture in comparison with Christianity. This course is essential for understanding and appreciating the Chinese mind today, and thus to enlighten contemporary dialogue among religious traditions.

CSA 302 Area Study: China (3)—A survey of China as revealed through history, literature, business, geography, popular culture and the arts.

CSA 304 Dynamics of Cross-Cultural Ministry (3)—This course provides the key rubrics in preparation for total immersion in non-Western settings. Interdisciplinary in approach, this course marshals the disciplines of intercultural communication, applied anthropology, and contextualization to cultivate the empathy needed to minimize misunderstandings and judgments that bred xenophobia and mistrust. Students will be equipped for the various ministries in which they will be involved during the semester.

COMPUTER SCIENCE

CSC 121 (4) Programming for Computational Mathematics and Data Science I—Focuses on problem solving and algorithm development, learning a high-level language, and how to design, code, test, and document a program using standard programming techniques. Programming tasks are chosen from computational mathematics and/or data science. Three lecture periods and one laboratory period per week. (Typically every other Fall)

CSC 122 (4) Programming for Computational Mathematics and Data Science II—Continuation of CSC 121. Further development of programming skills, algorithmic analysis, elementary data structures. More applications from computational mathematics and data science. Three lecture periods and one laboratory period per week. Prerequisite: CSC 121. (Typically every other Spring)

CSC 182 (1) Computer Algebra Systems Seminar—An overview of computer algebra systems (CAS). Use of CAS is a requirement for mathematics major courses from MAT 182. This course provides a systematic introduction to CAS that includes basic commands, data structures, logical controls and programming. (Typically Spring)

ECONOMICS

ECN / ECA100 (3) Principles of Economics—Students are introduced the principles of micro and macroeconomics. The

course is an overview of the key concepts and theories of economics with an emphasis on understanding how an economy functions and the market dynamics that impact the management of a business. (Occasional Offering)

ECN / ECA 272 (3) Introduction to Microeconomics—This course will explore questions such as “How do people make decisions?”, “Do businesses maximize profits?”, “Do markets work?”, and “What role should the government have in the economy?” The workhorse model of microeconomics, supply and demand, will be used to analyze consumer decisions, minimum wage laws, price controls, taxes and numerous other economic scenarios. (Typically Fall & Spring)

ECN / ECA 273 (3) Introduction to Macroeconomics—This course is a study of the big-picture national outcomes such as economic growth, inflation, unemployment and the national debt. Major public programs such as Social Security, Medicare and taxes will be evaluated, including their future viability. The roles of Congress and the Federal Reserve in shaping the economy will be analyzed from both Keynesian and Classical perspectives. (Typically Fall & Spring)

ECN / ECA 325 (3) Statistics for Economics—Students will develop the fundamental tools needed for quantitative business analysis in this course. Topics will include statistically characterizing data, confidence intervals, hypothesis testing, and regression analysis. The emphasis will be on the practical implementation of statistics in business and economics. Spreadsheet analysis will be used extensively throughout the course. Prerequisites: MAT 120 or equivalent. (Occasional offering)

ECN 372 (3) International Financial Markets & Monetary Economics—A study of the principles and function of the stock, bond, mutual fund, derivative and other major financial markets. Operation of securities markets, monetary policy, interest rates, business cycles, inflation, money supply, stabilization policy, and financial restructuring. Significant emphasis on international applications of financial developments and monetary policies around the globe. (Typically every other Spring)

ECN 391 (1-3) Independent Study—A directed and supervised investigation of a selected research problem or issue in economics, including the preparation of a scholarly paper. A student may not take more than four (4) hours of independent study. Prerequisite: permission of instructor. (Contract course)

ECN 393 (1-3) Seminar—Designated special-interest classes, seminars, or field experiences supervised by faculty, with the appropriate course requirements. Credit may be given more than once. (Occasional offering)

ECN 471 (3) International Economics—Survey of both the micro and macro global economic environment. Micro portion: comparative advantage and the effects of trade, tariffs and non-tariff barriers, strategic trade policies, and trade and economic growth. Macro portion: foreign exchange markets, the balance of payments, global financial restructuring, international debt and international inequality. Prerequisite: ECN 272 or ECN 273. (Typically every other Spring)

ECN 472 (3) Applied Econometrics—Application to current managerial concerns: optimization analysis, pricing decision, production decision, output fluctuations and cost behavior. Econometrical techniques and problems are introduced and analyzed: regression analysis, time series analysis, ARIMA models, etc. Prerequisites: ECN 272, ECN 325 or PSY 315. (Occasional offering)

EDUCATION

ED / EDA 200 (2) Introduction to Education—An

introduction to the historical and contemporary dynamics of education in America. Topics of study include the philosophies and theories of education, legal implications, teacher organizations, career opportunities, learning styles relevant to varying cultures, and the significance of participatory democracy. This introductory course includes opportunities for working with experienced teachers in school classrooms in the area of intended major. Students enrolled in this course are required to enroll in ED/EDA 201 Structured Inquiry Clinical-Based Experience concurrently. Corequisite: ED/EDA 201. Fee. (Typically Fall & Spring)

ED / EDA 201 (1) Structured Inquiry Clinical-Based

Experience—This clinical field experience component is designed to enhance the initial School of Education cluster of courses. It has been designed to give prospective teacher education candidates an opportunity for initial exposure to classrooms in the public schools. Candidates will spend 60 clinical/field experience hours in a variety of authentic settings. A significant portion of this field component is designed to facilitate our candidates' ability to work in schools with a high population of P-12 diverse students. Clinicals: 60 hours. Prerequisite: Must meet KY State qualifying scores on CASE subtests = 156 in Reading, 162 in Writing, & 150 in Math. Fee. (Typically Fall & Spring)

ED / EDA 220 (2) Technology for Education—Introduction to the 21st Century Teaching Skills, as to the value and use of multiple apps and strategies for integrating technology in instruction. These skills include, but are not limited to, iTools, instructional videos, podcasts, interactive whiteboards, multimedia, and web development tools to be used in the educational setting to facilitate student learning, student assessment and professional productivity. Corequisite: ED/EDA 201. Fee. (Typically Fall & Spring)

ED 225 (1) Assistive Technologies for Special Populations—An array of basic technology skills will be included to facilitate the education of students with disabilities. Technological experiences will include: authoring software, interactive electronic presentation device/software and an assistive technology workshop. Clinicals: 5 hours. Fee. (Typically Fall)

ED / EDA 230 (2) Human Growth and Development—A study of the physical, emotional, social, cognitive, and moral aspects of human development through the life span including birth, childhood, adolescence, and adulthood, and their interaction with environmental and cultural influences pertaining to elementary and secondary school teachers. Corequisite: ED/EDA 201. Fee. (Typically Fall & Spring)

ED / EDA 274 (3) Social Studies & Science Content in the Elementary Classroom—Provides an overview of the content in science and social studies that elementary teachers need in order to deliver the instruction and assess that content in the K-5 grades. Candidates will be presented this content through the Kentucky Academic Standards. This core content will be viewed as a part of the curriculum of an elementary school program. Fee. (ED: Typically Spring; EDA: Typically Fall & Spring)

ED / EDA 276 (3) Arts & Humanities and Practical Living/Vocational in the Elementary Classroom—Provides an overview of the content in arts, humanities, and practical living/vocational that teachers need in order to deliver the instruction and assess that content needed in the K-5 grades. Some of the content included in these areas is music, drama,

visual arts, dance, safety, careers, and health. Candidates will be presented this content through the Kentucky Academic Standards in the areas of arts and humanities and practical living/vocational and learn the methodology in these content areas for instructional design and assessment. This core content will be viewed as a part of the curriculum of an elementary school program. Fee. (ED: Typically Spring; EDA: Typically Fall & Spring)

ED / EDA 290 (3) Facilitating EL Student Success—This course addresses methods of assessment for teaching English Learners (EL) with an emphasis on a systemic assessment process as well as ethical and intercultural sensitivity. Students will be introduced to criteria to ensure consistent identification of EL students, as well as to determine their eligibility, placement, and duration of programs and services based on English language proficiency assessment. Candidates will acquire knowledge and skills related to language proficiency assessments that are linked to the new common curriculum, appropriate standardized assessments, and formative and summative assessments used for English Learners. Candidates will be prepared to analyze assessment results to create intervention plans and to design instruction and monitor progress for English Learners. Clinicals: 10 hours. Fee. (ED: Typically Fall; EDA: Typically Fall & Spring)

****NOTE** The following courses all require Admission to the Teacher Education Program (Gate 1). All candidates must successfully complete all Gate 1 requirements before taking any 300-level or above courses, with the exception ED/EDA 320.**

ED / EDA 301 (1) Guided Inquiry Clinical-Based Experience—This clinical field experience component is designed to enhance the School of Education's second cluster of courses. ED/EDA 301 provides teacher education candidates an initial opportunity to demonstrate their ability to plan and implement inquiry-based instruction with P-12 students. Candidates will spend 75 clinical/field experience hours in variety of authentic settings. This component is taken concurrently with methods courses. Clinicals: 75 hours. Prerequisite: ED/EDA 201. Fee. (Typically Fall & Spring)

ED / EDA 320 (3) Exceptional Learner in the General Education Classroom—An introduction to the various contemporary areas of special education focused on the learning needs of students with disabilities (including intellectual, behavioral, physical, or sensory disabilities) and students identified as gifted and talented. Emphasis will be placed on the principles and procedures for educational programs to accommodate students with disabilities in inclusive settings. Clinical: 10 hours. (ED 320: Typically Fall, Spring & Summer; EDA 320: Typically Fall & Spring)

ED 330 (2) Behavioral Intervention of Students with Learning and Behavior Disabilities—Offers principles and techniques for managing the behavior of children and youth with disabilities. Preventive, supportive, and corrective techniques are included. The course focuses on the development of management plans that provide positive behavior supports for P-12 students. Level II Field component required. Clinicals: 10 hours. Prerequisite: ED 320. Fee. (Typically Spring)

ED 332 (3) Collaboration and Advocacy for Special Populations—Focuses on collaborative models and appropriate techniques for cooperative working relationships in the school setting. Pertinent legislation and issues of advocacy for the student, parent, and teacher will be explored

and applied to current principles for the development of educational programming for students with disabilities. Clinicals: 5 hours. Prerequisite: ED 320. Fee. (Typically Spring)

ED 334 (3) Early Childhood Education of Special Populations—Overview of the special needs of young children including the discussions of historical and empirical support for providing early intervention services; assessment, instructional methodologies, family involvement and including children with and without disabilities. Attention will be given to assessing and assisting achievement of cognitive, language, social, and motor skills. Clinicals: 5 hours. Prerequisite: ED 320. Fee. (Typically Fall)

ED 338 (3) Introduction to Students with Learning and Behavior Disabilities—The learning, behavioral, and emotional problems of children and youth are explored in the context of theory, etiology, assessment, and practice. Issues of educational programming and community agency support are considered. Clinicals: 5 hours. Prerequisite: ED 320. Fee. (Typically Spring)

ED / EDA 341 (2) Reading and Language Arts Methods & Materials (P-5)— One of the two reading/language arts courses. A study of current methods and materials useful in teaching children to read, write, and develop proper oral language skills. Includes an emphasis on the development of reading and language arts and appropriate teaching strategies for the elementary school students in the development of lesson planning. Prerequisites: Admission to the Teacher Education Program. Corequisite: ED/EDA 301. Fee. (ED: Typically Fall; EDA: Typically Fall & Spring)

ED / EDA 342 (2) Teaching of Reading (P-5)—Direct approaches to the teaching of reading, including phonics and other word identification techniques as well as comprehension strategies. Corequisite: ED/EDA 301. Fee. (ED: Typically Fall; EDA: Typically Fall & Spring)

ED / EDA 350 (3) Literacy Assessment (P-5)— An introduction for preservice teachers to methods of language arts assessment. The reading interests and needs of readers are considered, and primary emphasis will focus on the study of current methods and materials useful in analyzing assessments to make data-based decisions to instruct students in reading. Time is given to actual in-school diagnosis and remediation of readers that focuses on impact on student learning and culminates in a literacy work sample. Prerequisites: Admission to the Teacher Education Program and ED/EDA 341 and ED/EDA 342. Fee. (ED: Typically Spring; EDA: Typically Fall & Spring)

ED / EDA 360 (2) Social Studies Methods & Materials (P-5)— Exploration of methods, materials, and motivational techniques in teaching social studies at the elementary level. Social studies instructional skills are developed through clinical laboratory experiences. Time is given to developing lesson plans. Prerequisite: Admission to the Teacher Education Program. Corequisite: ED/EDA 301. Fee. (ED: Typically Fall; EDA: Typically Fall & Spring)

ED / EDA 380 (3) Elementary Math & Science Methods— Equips the future elementary teacher with appropriate methods, materials, and motivational techniques for the teaching of math and science. Students will begin to understand what are the nature of mathematics and science, what are appropriate expectations for learning in elementary math and science, what are exemplary teaching and assessment practices that support math and science programs, and what are available materials and resources for

the teaching of math and science. Pre-requisite: Admission to Teacher Education. Corequisite: ED/EDA 301. Fee. (ED: Typically Fall; EDA: Typically Fall & Spring)

ED 385 (3) Reading and Writing Across the Curriculum (P-12, Middle School and Secondary Education Majors)— Establishes methods and techniques for Middle, Secondary, and P-12 teachers to enhance reading and writing in the discipline. Includes an overview of the various aspects of the reading process and discusses the specialized disciplinary literacy demands of reading and writing in the content area. Prerequisite: Admission to the Teacher Education Program. Fee. (Typically Spring)

ED / EDA 393 (3) Seminar—Seminars, cross-cultural experiences and special extended field experiences supervised by faculty, with appropriate reading and assessment. Fee. (Occasional Offering)

ED / EDA 395 (1-3) Extended Clinical-Based Experience— This course extends the field experiences currently integrated within each of the education majors. It will (a) assist the student to connect theory & practice; (b) provide a sense of flow and schedule for a typical school day; (c) enable in-depth and extended interaction with classroom teachers and students, and (d) help the student apply content from methods classes in lesson planning & teaching. Students are involved in planning for and implementing lessons for both small and whole group instruction. This course also enables candidates who desire additional experiences in urban settings or with students who have diverse learning needs to have those opportunities. Fee. (Contract course)

ED / EDA 401 (1) Open Inquiry Clinical-Based Experience—This clinical-based experience is designed to enhance the School of Education's third cluster of courses. Candidates must complete ED/EDA 401 the semester *PRIOR* to Student Teaching to complete a year-long clinical experience. ED/EDA 401 gives teacher education candidates a culminating opportunity to demonstrate their ability to plan, implement, assess, and analyze the inquiry-based instruction. Candidates will spend 75 clinical/field experience hours in a variety of authentic settings. Corequisite: ED/EDA 405, 410, and 428. Clinicals: 75 hours. Prerequisite: ED/EDA 301. Fee. (Typically Fall & Spring)

ED / EDA 405 (3) Learning Performance & Assessment— Designed to examine classical learning theories of motivation and cognitive development of human behavior. Future teachers will be trained to interpret the results of standardized achievement tests, create performance-based assessment items, develop teacher-made tests which take into account a student's individual approaches to learning, and analyze the impact on student learning. An assessment work sample which incorporates a skill set of instructional design, standard-based, unit planning, integration of formative and summative assessment measuring analysis of student learning is a requirement for the course. Prerequisite: ED/EDA 301. Corequisite: ED/EDA 401. Fee. (ED: Typically Fall, Spring & Summer; EDA: Typically Fall & Spring)

ED / EDA 410 (2) Classroom Management—Examination of basic discipline technologies for students. Course emphases will include practical application of effective classroom environments, appropriate selection of management technologies for behavioral remediation, effective teaching styles and teacher behavior, efficient observation and conferencing skills. Prerequisite: ED/EDA 301. Corequisite: ED/EDA 401. Fee. (Typically Fall & Spring)

ED 415 (3) Assessment for Special Education—This course provides instruction on the various forms of assessment used by a special educator including: administration of standardized individual achievement assessments, techniques for monitoring student progress and IEP benchmarks and various forms of curriculum-based measures. To demonstrate test administration, interpretation and data analysis of curriculum-based measures, candidates will complete a clinical work sample. Prerequisites: ED 320, 330, 332, 334, 338.

Corequisite: 416. Fee. Clinicals: 10 hours. Fee. (Typically Fall)

ED 416 (3) Methods for Special Populations—This course focuses on direct instruction and student-oriented methodologies for students with mild disabilities. Emphasis will be placed on metacognitive strategies, appropriate and non-intrusive accommodations, and seamless transitions for collaborative and inclusive settings. Instructional methodologies that support student achievement in the general core knowledge will be included. An instructional work sample will provide evidence of the candidate's competence in designing and accommodating instruction. Prerequisites: ED 320, 330, 332, 334, 338. Corequisite: 415. Fee. Clinicals: 10 hours. Fee. (Typically Fall)

ED 418 (3) Teaching English as a Second Language Methods and Culture—Addresses current methods and materials for teaching English as a Second Language with a particular emphasis on culturally responsive instruction. Focuses on theory made practical with a strong emphasis on ethical and intercultural sensitivity. Includes practicum experiences to ensure classroom confidence and success. Prerequisites: ENG 200, 331, 335, 336. Clinicals: 10 hours. Fee. (Typically Fall)

ED 419 (3) ESL Methods III/Assessment—Addresses methods of assessment for teaching English Language Learners (ELL) with an emphasis on a systemic assessment process as well as ethical and intercultural sensitivity. Students will be introduced to criteria to ensure consistent identification of EL students, as well as to determine their eligibility, placement and duration of programs and services based on English language proficiency assessment. Candidates will acquire knowledge and skills related to language proficiency assessments that are linked to the new common curriculum, appropriate standardized assessments and formative and summative assessments used for English Learners. Candidates will be prepared to analyze assessment results to create intervention plans and to design instruction and monitor progress for English Learners. This course is designed to provide methods for assessing the effectiveness of school-based language instructional programs to inform future program improvements. Prerequisite: ED 418. Clinicals: 10 hours. Fee. (Typically Spring)

ED 420 (3) Secondary/P-12 Methods—Courses by Subject: Biological Science, Chemistry, English, World Language (P-12), Mathematics, and Social Studies—The study of methods and materials used in current education and to develop skills in relating these to the teaching-learning process. Aims and objectives for teaching a specific discipline are included as well as courses of study, unit and lesson plans, assessment, and use of equipment. Corequisite: ED 301. Fee. (Typically Spring)

ED 421 (3) Art Methods and Materials (P-12)— An introduction to methods and materials used in current education and to develop skills in relating these to the teaching-learning process. Aims and objectives for teaching each discipline include lesson plans, assessment, and use of

equipment. Prerequisite: Admission to the Teacher Education Program. Corequisite: ED 301. Fee. (Occasional Offering)

ED 422 (3) Instruction for Teaching Physical Education and Health (P-12)—An introduction to methods and materials used in current education and to develop skills in relating these to the teaching-learning process. Aims and objectives for teaching each discipline include unit and lesson plans, assessment, and use of equipment. Prerequisite: Admission to the Teacher Education Program. Corequisite: ED 301. Fee. (Occasional Offering)

ED 425 (3) Middle School Curriculum & Methodologies— Focuses on curriculum concepts and teaching strategies for students in the middle grades. Attention will be given to the philosophy and educational structure appropriate for the middle grades. Methods and materials related to particular academic emphases will be provided. Time is given to unit and lesson plans. Corequisite: ED 301. Fee. (Typically Spring)

ED / EDA 428 (2) Interventions for Differentiation—The course focus is the teacher's role in creating collaborative structures that provide interventions to ensure the learning for each child. Candidates will analyze Response to Intervention (RTI) for students, as well as analyze and assess effective collaboration models for English Language Learners (ELL) and students with exceptionalities. To ensure the needs of all students can be met in the regular education classrooms, students will acquire an understanding of language acquisition theories and research-based practices for English Learners. Prerequisite: ED/EDA 301. Corequisite: ED/EDA 401. Fee. (Typically Fall & Spring)

STUDENT TEACHING

Student Teaching Admission

Pre-requisite for student teaching course(s): Candidates must have successfully completed all Gate 3 requirements.

Pre-Semester Pre-requisite for All Student Teaching ISTEPS (Student Teacher Engaging Professional Seminar) a multi-component preparatory seminar held prior to the start of the academic semester which focuses on teaching objectives, classroom procedures, motivation techniques and legal implications for classroom teachers. Successful completion of ISTEPS is a Pre-requisite to student teaching.

[All education majors register for a minimum of 12 credits in student teaching.]

ED / EDA 498 and 499 (3 – 12) Student Teaching:

Professional Clinical-Based Component—Within the professional semester, there will be two components to support and guide the beginning educator. Component I, "Integration and Reflection Forums," is a series of 5-7 seminars that focus on practical insights gained through authentic learning during student teaching. Component II involves a minimum of 70 academic days of full-time assignment in an accredited school to observe, to participate, and to teach in classroom settings with special emphasis on the impact of student learning. Student teaching placements will be based on the major area requirements:

- Elementary Education: one in grades P- 3 and one in grades 4 – 5.
- Middle School Education: two subject area placements in grades 5 - 9.
- P - 12 Education: one in elementary and one in middle or high school.
- Secondary Education: one in grades 8 - 12.

- Dual certification: one in each certification area. Successful completion of all components is necessary for degree completion. Prerequisites: see above. Fee. (Typically Fall & Spring)

ENGLISH LANGUAGE CENTER

ELC 091 (2) Integrated Skills: Faith, Culture, & the

University—In this three-part series, students have the opportunity to acclimate into their new cultural environment and prepare for academic success at Asbury University. This course is introduced during the international student orientation as part of the introduction to the English Language Center.

- Part I: Discover America
- Part II: The University & the Student
- Part III: Faith, Leadership and Service (ELC program)

ELC 092 (6) Written Communication—Focuses on improving student's reading and writing English language skills for the undergraduate classroom. The curriculum aims to teach the necessary strategies for college-level English writing. (ELC program)

ELC 093 (6) Oral Communication—Focuses on improving student's oral and aural English language skills for an academic environment. The curriculum aims to develop students' ability to understand academic lectures through listening activities, note-taking strategies, and expanding vocabulary. (ELC program)

ELC 094 (3) Integrated Skills: Learning the English Language through Mass Media—Integrated Skills is a course where students use English media to creatively engage in all of the core language skills: reading, writing, listening, and speaking. (ELC program)

ELC 095 (3) English Language Center Workshop—Consists of three components:

Language Lab - ELC students are required to attend the language lab hour

Writing Partner - ELC students are required to visit Asbury University's Writing Center

Conversational Partner - ELC students are assigned a native English speaker as a conversational partner. (ELC program)

ELC 101 (3) Advanced Oral Communication—Focuses on refining speaking and listening skills for an academic environment and developing appropriate communication skills in order to be able to communicate more effectively abstract, academic thinking. Prerequisites: ELC 093. (Contract course)

EDUCATIONAL MINISTRIES

EM 220 (3) Teaching in the Church—An introduction to the educational ministry of the church, with a focus on the act of teaching as a means for leading people to Christ and to maturity in their Christian walk. Students will explore basic principles of learning and human development, curriculum design and varieties of methodology, as well as structures for Christian growth and learning in the Church. (Typically Fall)

EM 280 (3) Foundations for Educational Ministry—A study of cultural, theological, philosophical, and psychological concepts foundational to the field of educational ministry. (Typically Spring)

EM 340 (3) Children's Ministry—A study of the nature and needs of childhood with special attention to principles of nurturing and enriching the moral and spiritual development of the child. Students gain skills in planning the Church's ministry to, by, and with children. (Typically Fall)

EM 360 (3) Adult Ministry—An examination of the periods of adulthood from the perspective of needs, developmental tasks and spiritual formation. Includes program development and a study of principles which promote the integration of all adults into the community of faith. (Typically Spring)

EM 401 (2) Curriculum & Resources—A study of the biblical, theological, and historical foundations of church/ministry curriculum and resources. Opportunity is provided for students to critique and write curriculum, as well as to observe the commercial development of materials for the Christian market. Fee. (Typically every other Fall)

EM 350 (3) Youth Ministry—(Same as YM 350)

ENGINEERING MATH

EMA ____—denotes affiliate course in conjunction with the University of Kentucky. Course number varies.

ENGLISH

[ENG courses registered as ENA have a fee attached.]

ENG 100 (3) College Writing I—A critical reading and writing course that introduces students to composition at the college level, while addressing fundamental questions relating to humankind and the varieties of human experience. Particular emphasis placed upon essay structure, foundational rhetorical skills, and the practical mechanics of good writing. Required of all freshmen with English test scores of ACT 17-21/pre-2016 SAT 340-500 or Reading test score post 2016 SAT 27 or below. Students will be enrolled concurrently in, and must successfully complete, the Writing Center Lab. Students completing ENG 100 are required to proceed to ENG 110 during the next semester of enrollment. (Typically Fall & Spring)

ENG 110 (3) College Writing II—Develops the critical reading and writing skills vital to functioning successfully in contemporary society, helping students ask and address fundamental questions relating to humankind and the varieties of human experience. Concentrates on expository and argumentative writing, research skills, and matters of rhetorical style and the practical mechanics of good writing. Required of freshmen with English test scores of ACT 22-26/pre-2016 SAT 510-650 or Reading test score post 2016 SAT 28-34. Prerequisite: placement scores or ENG 100. (Typically Fall & Spring)

ENG 151 (3) Advanced College Writing—An advanced critical reading and writing course that addresses fundamental questions relating to humankind and the varieties of human experience. Centered around expository and argumentative writing, research skills, and matters of rhetoric and style. Required of freshmen with English test scores of ACT 27 or above/pre-2016 SAT 660 or above or Reading test score post 2016 SAT 35 or above. Not for students who have completed ENG 110. (Typically Fall & Spring)

ENG / ENA 200 (3) Introduction to Teaching English as a Second Language—Presents theories of language learning and factors which impede language learning. Designed to provide theoretical and practical experience in language acquisition. Students will provide tutorial assistance to non-native English speakers. Prerequisite: completion of ENG 110 or 151. (Typically Fall)

ENG 205 (3) Literature & Culture—A survey of selected literature of the Western World from the ancients to the present. Designed to provide the student with an in-depth exposure to literary works that have shaped contemporary

culture. Prerequisite: ENG 110 or 151. (Typically Fall & Spring)

ENG 230 (3) Introduction to Literature—An initial course in the art of critical reading. A survey of genres (fiction, poetry, drama) which lays a foundation for the upper-division course work in the major, it is designed to assist entry-level students (or the interested non-major) to develop the skills and techniques of effective literary analysis. (Typically Fall)

ENG 231 (3) The British Literary Tradition I—An historical survey of English literature from its beginnings to the Romantic movement, tracing the development of literary traditions and techniques, intellectual history, and major movements. (Typically Fall)

ENG 232 (3) The British Literary Tradition II—A continuation of the study begun in English 231, beginning with the Romantic movement and continuing to the present. (Typically Spring)

ENG / ENA 240 (3) Grammar & Composition for Elementary Teachers—Instruction in the teaching of composition as process in the elementary classroom. Using an interdisciplinary approach, the course will include a thorough review of basic grammar and a strong focus on ways to integrate grammar with the writing process. Instruction will provide a guide through drafting revision and editing in modes developmentally appropriate for elementary students.

Assessment strategies that foster student growth will be presented with focus on the use of the portfolio for classroom and system wide assessment. (Typically Fall)

ENG 241 (3) Introduction to Creative Writing: Fiction—Introduction to the writing of fiction through the study of professional models, specific writing assignments, and instructor critique. Prerequisites: ENG 110 or 151. (Typically Fall & Spring)

ENG 242 (3) Introduction to Creative Writing: Poetry—Introduction to the writing of poetry through the study of professional models, specific writing assignments, and instructor critique. Prerequisites: ENG 110 or 151. (Typically Spring)

ENG 250 (3) Writing for Teachers—Instruction in the teaching of composition in English classes for the middle school and secondary school teacher. Includes introduction to research methods and documentation for English education, contemporary theories about composition pedagogy, revision and editing methods, and practice in writing styles and writing modes. (Typically every other Fall)

ENG 261 (3) American Literature I—A general survey of American literature from the early Colonial period to the time of Walt Whitman (up to 1860). (Typically Fall)

ENG 262 (3) American Literature II—A general survey of American literature from the time of Walt Whitman to the present (since 1860). (Typically Spring)

ENG 300 (3) Writing for the Professions—Recognizing the essential nature of effective written communication in any work environment, this course focuses on the various types of writing required in professional settings. The course emphasizes the production of clear, persuasive, and correct documents that professionals use to communicate dynamically and efficiently. It also focuses on the elimination of grammar and usage errors not accepted in professional environments. (Typically Spring)

ENG 311 (3) The English Novel—A study of the technique and historical development of the novel of England from its beginning to the close of the 19th Century. (Typically every other Spring)

ENG 315 (3) Film As Literature—Teaches students to recognize and analyze the narrative, visual, and aural elements of film. To illustrate the breadth of film's expressive potential, the class will present a variety of film styles (Classic Hollywood, realism, expressionism, Avant Garde, and documentary) over the course of the semester and consider how external forces (economics, politics, culture, etc.) shape film aesthetics and reception. Includes schools of film theory. (Typically every other Fall)

ENG 322 (3) Victorian Period—Representative writers from 1830 to about 1900. (Typically every other Fall)

ENG / ENA 331 (3) Linguistics & Advanced Grammar—An introduction to phonetics, phonology, morphology, syntax and semantics, as well as first and second language acquisition, sociolinguistics and the history of the English language. Students will also refine their knowledge and use of English grammar. (Typically Fall)

ENG 335 (3) Sound Systems of Language—Phonetics involves the study of human speech sounds, including articulatory phonetics, acoustic phonetics, and auditory phonetics. Phonology is the study of sound systems of languages, including how phonemes and allophones form integrated systems in particular languages resulting in differences from one language to another. Prerequisite: ENG 331. (Typically Spring)

ENG 336 (3) Grammatical Structure of Language—Morphology is the word formation system of languages, including how morpheme and allomorphs form integrated systems in particular languages resulting in differences from one language to another. The study moves to syntax and how these smaller units are used to form sentences and how sentences relate to one another. Prerequisite: ENG 331. (Typically Spring)

ENG 340 (3) Modern Poetry—A survey of contemporary American and British poetry, with particular emphasis on the various aspects of the poetic movement of the present. (Typically every other Fall)

ENG 342 (3) The American Novel—A study of the history and technique of the novel in America from its beginning to the close of the 19th Century. (Typically every other Spring)

ENG 345 (3) Modern Novel—A study of the major trends in the American, English, and continental novel from 1900 with special emphasis on the novel as a literary and artistic form. (Typically every other Fall)

ENG 348 (3) Contemporary Literature—A study of British and American Literature since 1950. The course will focus on poetry, prose, and drama. (Typically every other Spring)

ENG 353 (3) Creative Writing for Young People—Includes a variety of exemplary examples of creative writing for young people, including both fiction and poetry. In-class workshops will give opportunity to share their responses to writing prompts, to receive feedback on writing, and to offer comments and suggestions on the work of classmates. Requires a number of original works for critique, revision, and polishing. Class time will also be given to exploring markets for this type of writing and on finding appropriate venues where projects may be submitted. (Typically every other Spring)

ENG / ENA 360 (3) Children's Literature (P-5)—A survey of the various types of literature suitable for presentation to children of the elementary school level. The course is designed particularly for those who are planning to work with children in the elementary school. (Typically Spring)

ENG 361 (3) Adolescent Literature—Survey of literature from various genres for use in middle/high school. To prepare teachers for the tasks of assisting students in the transition from children's literature to adult reading and guiding adolescents in the development of appreciation for well written literature. (Typically Fall)

ENG 362 (3) American Multi-Ethnic Literature—A survey of American minority literature, including African-American, Native American, Hispanic-American and Asian-American writers, from the mid-nineteenth century to the present. (Typically every other Spring)

ENG 370 (3) Medieval Literature—Critical study of Anglo-Saxon and Middle English periods. Emphasis on historical context and major genres, including epic, romance, lyric, drama, and histories. (Typically every other Spring)

ENG 371 (3) Intermediate Creative Writing: Fiction—This course builds on the foundation of ENG 241, allowing the student to gain further practice in the writing of fiction and non-fiction through the study of professional models, specific writing assignments, workshops, and instructor critique. Prerequisite: ENG 241. (Typically Fall)

ENG 372 (3) Intermediate Creative Writing: Poetry—This course builds on the foundation of ENG 242, allowing the student to gain further practice in the writing of poetry through the study of professional models, specific writing assignments, workshops, and instructor critique. Prerequisite: ENG 242. (Typically Spring)

ENG 375 (3) Renaissance Literature—A study of the representative writers of the English Renaissance from More to Jonson, excluding Shakespeare, with special emphasis on the Christian humanists. (Typically every other Fall)

ENG 378 (3) Milton & the Seventeenth Century—A study of the principal writers of the 17th century. A major emphasis of the course will be a study of Milton's poetry and prose and his development as a writer with major emphasis on Paradise Lost, giving attention to both his artistic quality and his theology. (Typically every other Spring)

ENG 382 (3) Reason & Revolution: Studies in the Longer Eighteenth Century—Many current political, social, and economic structures have their origins in 18th-century British culture, and this course explores all of these and more through the political and social satire of writers such as Jonathan Swift and Alexander Pope, the political and social cartoon work of William Hogarth, the social commentary of Restoration comedies, and the social and philosophical explorations of the early Romantic poets such as William Blake and William Wordsworth. Main readings will be supplemented with samplings from writers and theorists such as John Locke, Thomas Hobbes, Edmund Burke, Adam Smith, and Samuel Johnson. (Typically every other Fall)

ENG 391 (1-3) Independent Study—A directed and supervised investigation of a selected research problem or issue in the field of English. A student may not take more than four (4) hours of independent study. (Contract course)

ENG 393 (1-3) Seminar—A study of one major author, or a small circle of authors or a literary movement, the subject to be determined by the staff. Credit for this course may be given more than once. (Occasional offering)

ENG 402 (3) ESL Practicum—An off-campus, intensive opportunity to apply skills in an authentic setting with individuals for whom English is a second language. This clinical/field experience may be arranged with a local ESL population or in an international context. Prerequisite: ENG 200. (Contract course)

ENG 403 (1) Practicum in Creative Writing—An experiential learning opportunity that may take one of two forms. Students may volunteer their writing abilities at a community or adult learning center. They may help with literary readings, publicity, tutoring and other writing-related tasks. Each hour of credit requires 34 hours of contact. Alternatively, students may attend a creative writing conference during which they will have their own work critiqued and hear published authors. The conference must be at least three days and be approved by the professor. Repeatable. (Typically Spring)

ENG 410 (3) Shakespeare—A study of the principal plays of Shakespeare read in the light of dramatic and literary conditions of his time. (Typically Spring)

ENG 423 (3) C. S. Lewis & the Oxford Circle—A study of literature inspired by a Christian vision of life. Focuses primarily on the writings of C.S. Lewis and secondarily on the Oxford Circle of writers with whom he was associated. (Typically every other Spring)

ENG 431 (3) Literary Criticism—A study of the philosophy of literary composition from various sources, designed to give students an understanding of the principles which underlie literary composition and to enable them to form a basis for evaluating the literature which they meet in their own personal reading. (Typically Fall)

ENG 450 (2) Advanced Studies in Creative Writing—Students will analyze their current body of work and write additional pieces in preparation for a final portfolio worthy of being submitted to a graduate school or a publisher. Prerequisite: ENG 241 or 242. (Typically Fall)

ENG 475 (3) Senior Seminar—A capstone experience for the English major, this course will address literary topics and critical approaches, with a view toward deeper integration of faith, learning, and vocation. (Typically Spring)

ENSEMBLES

ENS 101 (1.5-1) Collegium Musicum—General name under which all of the instrumental chamber groups function. Combinations vary each semester. By audition and as openings occur. Ensembles may be combined. Minimum of one-hour weekly rehearsals. (Typically Fall & Spring)

ENS 111 (1.5-1) Women's Choir—Open to all women students, staff, and faculty by audition. In addition to local concerts, this ensemble will tour periodically. Fee. (Typically Fall & Spring)

ENS 131 (1.5-1) Men's Glee Club—Open to all male students without audition. In addition to local concerts, this ensemble will tour periodically. Fee. (Typically Fall & Spring)

ENS 141 (1.5-1) Concert Band—Open to all qualified students by audition. In addition to local concerts, this ensemble will tour periodically. (Typically Fall & Spring)

ENS 151 (1.5-1) Orchestra—Open to all qualified students by audition. The heart of the group is the string section. Woodwind, brass, percussion, and keyboard players are added on a per composition basis. Fee. (Typically Fall & Spring)

ENS 161 (1.5-1) Chorale—The Asbury Chorale is an SATB ensemble open to all students by audition. Repertoire consists of challenging choral literature from various style periods. The Chorale supplements its on-campus performance schedule with occasional off-campus events and tours. Fee. (Typically Fall & Spring)

ENS 171 (5-1) Handbell Choir—Open to all students by audition. In addition to local concerts, this ensemble tours periodically. Fee. (Typically Fall & Spring)

ENS 191 (5-1) Jazz Ensemble—Open to all qualified students through audition. In addition to local concerts, this ensemble will tour periodically. (Typically Fall & Spring)

EQUINE

EQ 100 (3) Equine Studies—An introduction to the basic aspects of the equine industry, covering the history and development of the horse, breeds, anatomy, nutrition, lameness, body condition scoring, reproduction, classifying horses according to their function, behavior and genetics. Buildings and equipment used in the production and training of horses will be discussed along with career opportunities available in the equine industry. (Typically Fall)

EQ 130 (1) Horseback Riding I—Placement Credit for Equine majors and minors. Does not satisfy PE requirement.

EQ 131 (1) Horseback Riding II—Placement Credit for Equine majors and minors. Does not satisfy PE requirement.

EQ 200 (3) Horsemanship Ministry—Training of dedicated Christians to conduct safe, efficient, and effective horsemanship programs as a tool of Christian Ministry.

Designed to equip each equine student with the necessary tools to successfully manage, train, and teach in a variety of equestrian ministry settings. Fee (Typically Fall)

EQ 201 (3) Equine Conformation & Selection—Conformation of the horse is covered in detail and its relationship to “form follows function”. This is a complete evaluation of all aspects of the horse’s anatomy and how it is related to its function and purpose. Individual breed characteristics are covered and why they are important to that breed. The different gaits of breeds will be covered. Prerequisite: EQ 100. Fee. (Typically Fall)

EQ 202 (3) Stable Management—Basic principles of establishing a business plan, creating a safe and satisfying environment, applying practical and economic horse keeping techniques and maximizing your efforts for a successful operation. Fee. (Typically Spring)

EQ 206 (3) Equine Health & First Aid—Comprehensive course to explain routine but essential health care, basic first aid, and how to identify urgent medical conditions. Prerequisite: EQ 100. Fee. (Typically Fall)

EQ 208 (3) Introduction to Therapeutic Riding—Progressive instruction for building a skill foundation in therapeutic riding instruction. Professional Association of Therapeutic Horsemanship International (PATH) Standards including the use of therapy horses, tack and other equipment. Prerequisite: EQ 100. Fee. (Typically Spring)

EQ 245 (3) Riding Instructor Certification—Students complete a 40-hour certification clinic. Teaching and equitation skills in ring and trail riding. Prerequisites: PE/EQ 130 & 131. Fee. (Typically Spring)

EQ 251 (2) Introduction to Horse Training—The basic handling of horses on the ground and under saddle. Students will also learn how to understand equine behavior and how it relates to training a horse. Pre-requisites or corequisite: EQ 100 & EQ/PE 131. Fee. (Typically Fall & Spring)

EQ 257 (1) Weanling Training— This course focuses on safe handling of the weanling horse on the ground. The training covers leading, desensitizing, and control of the horse in every direction. Prerequisite: EQ 251. Fee. (Typically Spring)

EQ 258 (1) Yearling Training—This course focuses on fundamental ground manners and the skills needed to move the yearling horse in various directions. The training covers tying, trailering, navigating obstacles, controlling the horse’s motion with lateral movement, and round penning.

Prerequisite: EQ 257 or EQ 251 and instructor permission. Fee. (Typically Fall)

EQ 259 (1) Long Yearling Training—This course focuses on teaching a long yearling horse to respond to trainer cues in preparation for riding. The training covers driving in long-lines, navigating obstacles, controlling the horse at the walk, trot, and canter on a circle, and trailering. Prerequisite: EQ 258. Fee. (Typically Spring)

EQ 305 (3) Equine Nutrition & Forage Management—Introduction to the nutritional requirements and the practical feeding of various classes of horses including those with various clinical conditions. The basic classes of feeds and how to read a feed tag will also be discussed. The role that pastures play in a well-planned feeding program will be investigated along with proper management of those pastures. Evaluating forages and understanding a forage analysis in relation to feeding will be covered. Prerequisite: EQ 100. Fee. (Typically Spring)

EQ 310 (3) Farm & Ranch Management—Resource Management of land, water, and facilities involved in equine programs. The primary goals will be to train equine managers, and to develop a focus on natural resource systems with the overall aim to increase efficient farm or ranch management. Prerequisite: EQ 202. Fee. (Typically Fall)

EQ 311 (3) Therapeutic Riding Instruction—This course is a practical hands-on class to acquire skill and technique in preparation and implementation of therapeutic riding and ground lessons. Prerequisite: EQ 208. Fee. (Typically Fall)

EQ 320 (3) Equine Administration—Study of equestrian business, equestrian organizations, breed associations, facility and event management operations, conventions and programs. Prerequisite: EQ 202. Fee. (Typically Fall)

EQ 335 (3) Animal Nutrition—An introduction to the nutrients key to animal health, applications of nutrition, types of feedstuff, and ration formulation. Digestive anatomy & physiology of various animal species as they relate to nutrition will also be discussed. (Typically Spring)

EQ 340 (3) Equine Law—This course covers the broad spectrum of legal situations and laws that govern the equine industry. It will provide students with a basic understanding of methods of settling disputes, relevant tort law, business structures, record keeping, contracts, liens, tax liabilities, and estate planning. The course will also cover the equine professional’s rights and responsibilities, relevant legal definitions and terms, how to recognize when to use legal counsel, and how to avoid liability and prevent situations that could result in costly litigation. (Typically Spring)

EQ 353 (2) Starting Horses Under Saddle I—This course focuses on the foundations of starting a horse under saddle, which will primarily be 2-year-old horses. The training introduces the horse to the rider’s cues under saddle. Prerequisite: EQ 251 & EQ/PE 230. Fee. (Typically Fall)

EQ 354 (2) Starting Horses Under Saddle II—This course builds on the skills learned in Starting Horses under Saddle I and focuses on continuing to teach a horse to respond to trainer cues under saddle. The training covers balanced riding at the walk, trot, and canter. This course also covers riding through obstacles and over various terrains. Prerequisite: EQ 353. Fee. (Typically Spring)

EQ 355 (2) Advanced Horse Training Under Saddle I—This course focuses on working with horses with approximately a year or more of training under saddle. The course will be tailored to meet the goals of each student trainer and horse combination. Prerequisite: EQ 251. Fee. (Typically Fall)

EQ 356 (2) Advanced Horse Training Under Saddle II—This course builds on the skills learned in Advanced Horse Training under Saddle I and focuses on teaching students how to fine-tune training under saddle. The course will be tailored to meet the goals of each student trainer and horse combination. Prerequisite: EQ 355. Fee. (Typically Spring)

EQ 361 (3) Equine Anatomy & Physiology—This course will be a study of the anatomy and physiology of the horse. A systems approach will be used including the musculoskeletal, digestive, respiratory, circulatory, reproductive, endocrine, integument, nervous, and immune systems. Some comparative anatomy will also be included. Prerequisite: EQ 100. (Typically Spring)

EQ 391 (1-3) Independent Study—A directed and supervised investigation of a selected problem/topics in the area of Equine Management. Available to senior EQ majors or minors. A student may take up to six (6) hours of independent studies. (Contract course)

EQ 393 (1-3) Seminar—The study of various issues/topics in the field of equine management. Topics will be determined and announced for each semester a seminar is offered. (Occasionally Offered)

EQ 403 (3) Equine Immunology & Diseases—A study of equine immunology as it relates to various disease processes. This course is designed to identify diseases of the horse according to their causative agent(s), pathogenesis, and clinical signs of disease. Different systems will be evaluated as well as their roles in the disease process. Prevention and control of disease outbreaks through a thorough understanding of quarantine and vaccinations will also be covered. Prerequisite: EQ 206. (Typically Spring)

EQ 406 (3) Equine Lameness & Hoof Care—This course will study the causes, treatment, and management of lameness issues in the equine species. Students will also gain knowledge on the fundamentals of hoof trimming and horseshoeing through lecture and laboratory sessions. Prerequisite: EQ 100. (Typically Spring)

EQ 420 (3) Equine Reproduction Management—This course will focus on the equine breeding operation primarily from a management perspective and secondarily investigate the medical management of reproduction. Prerequisites: EQ 100 & 206. (Typically Spring)

EQ 435 (3-6) Equine Field Experience—A directed field experience at Asbury University or at another location with departmental approval. Students are responsible for total care of the horses including feeding, as well as maintaining stables and facilities including programming for one semester. 240 hours. (Contract course)

EQ 451 (3) Equine Exercise Physiology & Conditioning—This course will cover advanced physiology of skeletal, muscular, and connective tissues along with advanced study of cardiac and respiratory systems. The effect of exercise upon the training responses, and practical applications of these responses will be demonstrated on horses used in class. Prerequisites: EQ 100 & 251. Recommended Prerequisites: EQ 305 & 361. Fee. (Typically Fall)

EQ 475 (1) Equine Senior Seminar—A capstone course that brings all aspects of the Equine curriculum into perspective, so students can prepare to enter the industry upon graduation.

Students will be given the opportunity to evaluate their experiences in the program and to suggest changes to improve the curriculum. Students will also submit their portfolios covering their enrollment in the university. (Typically Fall & Spring)

EARTH SCIENCE

ESC 150 (3) Earth Science—An examination of planet Earth, including its place in space (astronomy). Topics include the rock cycle, tectonics, geologic time, oceanography, meteorology, formation of the solar system, and the life of stars. ESC 150/151 satisfies Foundations requirement for a natural science. Three hours lecture per week. Corequisite: ESC 151. (Typically Fall & Spring)

ESC 151 (1) Earth Science Lab—Laboratory experience designed to complement ESC 150. Reinforces concepts presented in lecture. Students receive hands-on experience with instruments, maps, minerals, rocks and fossils. One three-hour lab per week. Corequisite: ESC 150. Fee. (Typically Fall & Spring)

EXERCISE SCIENCE

EXS 200 (3) Foundations of Health/EXS—Students will be introduced to the principles of safe and effective physical activity. Instruction and practice for assessing, designing and implementing various types of activity/training programs for a variety of populations, and demonstrate an understanding of basic training principles. This course is a lecture/lab style course. (Typically Fall)

EXS 228 (1) Practicum—Forty (40) hours of practical experience and observation in selected professional settings. (Contract course)

EXS 229 (1) Practicum II—A continuation of EXS 228 requiring forty (40) hours of practical experience and observation in selected professional settings. Prerequisite EXS 228. (Contract course)

EXS 350 (3) Physical Fitness Assessment & Prescription—Methods and techniques used to enhance physical fitness and physical performance capacities. Includes assessment, training techniques, exercise prescriptions, enhancement of health and skill related areas of fitness. (Typically Spring)

EXS 371 (3) Motor Learning & Development—A study of the principles of motor learning that affects acquisition and performance of skilled movement in sports and physical education and recreational activities. Fee. (Typically Fall)

EXS 381 (3) Advanced Principles of Strength & Conditioning—This course will focus on applying the concepts of exercise physiology, biomechanics, motor control, sport psychology, and nutrition into the practice of exercise prescription and strength and conditioning. The goal of this course is to bridge the gap between science and practice as it relates to strength and conditioning. Prerequisites: BIO 331/333, BIO 264 or 352/354, and EXS 350. (Typically Spring)

EXS 420 (4) Physiology of Exercise—A study of the body's physiological responses to exercise with emphasis on the proper methods of obtaining optimal levels of performance. One additional hour of lab required per week. Prerequisites: BIO 100/101 or 202/204 (preferred), BIO 262 or 352, and BIO 331/333, or permission. (CHE 121/123 and 122/124 highly recommended.) Fee. (Typically Fall)

EXS 428 (3) Human Functional Anatomy—A study of human anatomy and its application to human motion including musculoskeletal origins, insertions, actions and innervations. Surface and functional anatomy will be explored with an emphasis on the biomechanical principles of human movement. Lab activities will focus on live model palpation and exploring functional movements in sport and exercise. Prerequisites: BIO 100/101 or 202/204 (preferred), BIO 262 or 352, and BIO 331/333, or permission. (Should be taken prior to EXS 431.) (Typically Fall)

EXS 431 (4) Kinesiology/Biomechanics—The anatomical and mechanical analysis of human motion with emphasis on analyzing and improving athletic performance with application of mechanics to the structure and function of the human body. Three hours of lab required per week. Prerequisites: BIO 100/101 or 202/204 (preferred), BIO 262 or 352, and BIO 331/333, or permission. (PHY 201 and 202 highly recommended.) Fee. (Typically Spring)

EXS 435 (2-3) Internship—Directed professional field experience in Exercise Science (80 clock hours minimum); Prerequisites: EXS 228, 350, 420, and senior standing. Application process required; departmental approval. (Contract course)

EXS 475 (2) Senior Seminar—A course for Exercise Science majors where students are asked to integrate and assess their skills, experience, and professional knowledge. Application processes for certification exams and graduate school are also facilitated. (Typically Fall)

FINE ARTS

FA 100 (3) Understanding Music & Art—[may be split: FA 101 (1.5) Art & Culture; FA 102 (1.5) Music & Culture]—Designed for the liberal arts student. Presents a rudimentary knowledge of the elements and principles used in music and art. Provides a philosophical basis for understanding the arts with considerable time spent viewing art and listening to music. Fee. (Typically Fall & Spring)

FINANCE

FIN/FNA 351 (3) Principles of Finance—This course examines the basic concepts, principles, and functions of managerial finance. Topics emphasized include financial markets, valuation models for stocks and bonds, time value of money, cost of capital, risk and return, and capital budgeting. Prerequisites: ECN/ECA 272, ACC/ACA 201 and ACC/ACA 202 (Typically Fall)

FIN/FNA 352 (3) Principles of Investment—Conceptual and analytical frameworks for formulating investment policies, analyzing securities, and constructing portfolio strategies for individuals and institutions. Prerequisite: FIN/FNA 351. (Typically Spring)

FIN/FNA 451 (3) Intermediate Corporate Finance—This class will continue from FIN 351 and go deeper into financial concepts such as capital budgeting, stock valuation, global financial markets, etc. Prerequisite: FIN 351. (Typically Fall)

FIN/FNA 452 (3) Strategic Financial Modeling & Simulation—The course will run a semester long business simulation to educate students on the power of financial modeling and the process required to prepare accurate business plans and financial forecasts. Prerequisite: FIN 351. (Typically Spring)

FIN/FNA 453 (3) Private Equity, Real Estate, Venture Capital—Course will explore the financial levers, systems and

strategies necessary to have a successful career in investment banking. Prerequisite: FIN 351. (Typically Fall)

FRENCH

FRN 101 (3) Elementary French I—An introduction to the study of French with emphasis on listening, speaking, reading, and writing. This course is designed for students who have never studied French. (Typically Fall)

FRN 102 (3) Elementary French II—Review and expansion of French grammar, composition, and conversation. Prerequisite: FRN 101, or placement by examination. (Typically Spring)

FRN 201 (3) Intermediate French—Continued development of listening, speaking, reading, and writing skills in French with a cross-cultural emphasis. Prerequisite: FRN 102 or placement by examination. (Typically Fall)

FRN 291 (3) Advanced Intermediate French—Designed to familiarize students with grammatical structures and syntax not mastered in elementary or intermediate French. Special attention will be given to enhancing student skills in listening, speaking, reading and writing, as well as the acquisition of cultural and literary knowledge. Enable students to move smoothly into courses at the 300-level and beyond.

Prerequisite: FRN 201, university placement examination, or permission of instructor. (Typically Spring)

FRN 301 (3) French Composition & Conversation—Intensive practice in both oral and written French communication. Prerequisite: FRN 291 or placement by examination. (Typically Fall)

Pre-requisite for FRN courses above 301: Completion of FRN 301 or permission of professor.

FRN 302 (3) Advanced French Grammar & Composition—Review and study of advanced French grammar topics with intensive practice in writing French prose for a variety of purposes. Prerequisite: FRN 301. (Typically every other Spring)

FRN 311 (3) Survey of French Literature I—A chronological overview of French literature from the Middle Ages through the Eighteenth Century. (Typically every other Fall)

FRN 312 (3) Survey of French Literature II—A chronological overview of French literature of the Nineteenth and Twentieth Centuries. (Typically every other Spring)

FRN 323 (3) Introduction to French Civilization—A survey of French history from the Roman conquest of Gaul to the present followed by an overview of contemporary French civilization. (Typically every other Fall)

FRN 371 (1) French Listening Comprehension & Conversation Practice—Extensive practice viewing and discussing French-language films. Class meets two hours per week. Credit/No Credit. Course may be repeated for credit; may be counted only once toward major or minor. Prerequisite: FRN 301 or permission of instructor. (Occasional offering)

FRN 372 (1) French Listening Comprehension & Conversation Practice—A continuation of FRN 371. Extensive practice viewing and discussing French-language films. Class meets two hours per week. Credit/No Credit. May be repeated for credit. May be counted only once toward major or minor. Prerequisite: FRN 301 or permission of instructor. (Occasional offering)

FRN 391 (1-3) Independent Study—Independent study in a specialized field in consultation with supervising professor.

Prerequisite: Completion of at least one 300-level French course and a 3.0 GPA in French courses or permission of professor. (Contract course)

FRN 393 (1-3) Seminar—A course designed for advanced French students with the area of concentration to be determined by the staff. Credit for this course may be given more than once. (Occasional offering)

FRN 403 (3) French Linguistics—Introduction to the study of linguistics with reference to the French language. Analysis of French phonology, morphology, and syntax. (Typically every other Spring)

FRN 410 (3) French P-12 Teaching Methods—An introduction to the methods and materials used in teaching French in elementary, middle and high schools. Prerequisites: FRN 301, ED 200, 201, 230 and admission to the Teacher Education Program. Course does not count toward the advanced French hours required for the non-teaching major in French. Field component. (Occasional offering)

FRN 430 (3) Advanced French Literary Topics—Important literary works from a variety of genres are read and analyzed. Content varies. May be repeated for credit. (Typically every other Fall)

FRN 475 (1) Senior Seminar—A course for all Ancient & Modern Languages majors where students are asked to integrate and assess their skills with literature, language, and culture. Required of all Language majors. (Typically Spring)

GEOGRAPHY

GEO 211 (3) Principles of Geography—A study of geography using primarily a balanced approach between physical and cultural geography, designed primarily for the elementary and middle school teacher and for the concentration in the social studies emphasis. (Occasional Offering)

GREEK

GRK 101 (3) Elementary Greek I—An introduction to ancient Greek with an emphasis on grammatical foundations. This course is designed for students who have never studied Greek. (Typically Fall)

GRK 102 (3) Elementary Greek II—Grammatical review and expansion of Elementary Greek I. Prerequisite: GRK 101 or placement by examination. (Typically Spring)

GRK 201 (3) Intermediate Greek I—Development of translation skills in ancient Greek literature with special emphasis on passages from the New Testament. Prerequisite: GRK 102 or placement by examination. (Typically Fall)

GRK 202 (3) Intermediate Greek II—A continuation of GRK 201. Prerequisite: GRK 201 or placement by examination. (Typically Spring)

GRK 301 (3) Readings in Greek Literature I—Readings in Greek literature from the major literary figures of the classical period. Prerequisite: GRK 202 or permission of the professor. (Typically Fall)

GRK 302 (3) Readings in Greek Literature II—Readings in Greek literature from the major literary figures of the classical period. Prerequisite: GRK 301 or permission of the professor. (Typically Spring)

GRK 391 (1-3) Independent study—Independent study in a specialized field in consultation with supervising professor. Requirements usually include assigned readings combined with a research paper. Prerequisite: Completion of GRK 202

and a 3.0 GPA in Greek courses or permission of the professor. (Contract course)

GRK 393 (1-3) Seminar—A course designed for advanced students with the area of concentration to be determined by the staff. Credit for this course may be given more than once. (Occasional offering)

GRK 401 (3) Readings in Greek Literature III—Advanced readings in Greek literature from the major literary figures of the classical period. Prerequisite: GRK 302 or permission of the professor. (Typically Fall)

GRK 402 (3) Readings in Greek Literature IV—Advanced readings in Greek literature from the major literary figures of the classical period. Prerequisite: GRK 401 or permission of the professor. (Typically Spring)

HEALTHCARE

HCA 102 (3) Health Care Services—This course provides students with an overview of concepts and issues related to the health care industry. Students will explore topics related to healthcare organizations, facilities, and professionals. Students will explore the applications of principles of non-clinical health care through examinations of health care situations. (Typically Fall & Spring)

HCA 201 (3) Ethical/Legal Issues in Health Care—An overview of healthcare law in the U.S. and how regulations affect the operational decisions of healthcare providers. The course will explore legal issues from the perspectives of both providers of healthcare and those who receive it. (Typically Spring)

HCA 202 (3) Faith and Care—This course explores connections between faith and health in clinical and community settings. Students consider the concept of spiritual or compassionate care for the whole person with an emphasis on the role of faith in health care related decisions and the services provided to individuals. (Typically Fall)

HCA 250 (3) Intro to Public/Population Health—The course will examine the way health care delivery systems, public health agencies, community-based organizations, and many other entities work together to develop interventions to improve the health outcomes in the local, national, and global communities they serve. We will first learn to examine health issues from a population health perspective. (Typically Fall)

HCA 275 (3) Trends and Policy in Health Care—The US health care delivery system will be explored to understand the current issues and trends. The changing roles of the components of the system as well as technical, economic, political, and social forces effecting change will be discussed. The course will emphasize the impact of policy development on the health care system. (Typically Spring)

HCA 300 (3) Applied Statistics for Health Sciences—An introduction to statistical methods for health sciences focusing on concepts and interpretation. Topics include the collection, classification, and presentation of descriptive data; the rationale of estimation and hypothesis testing; analysis of variance; analysis of contingency tables; correlation and regression analysis; sample size and power considerations. Prerequisite: MAT111 or MAT120. (Typically Fall)

HCA 320 (3) Health Promotions & Programs I—This course provides an overview of the principles and practices of health promotion with an emphasis on planning health education programs. Students will explore models for the design and delivery of health promotion curricula and programs. (Typically Fall)

HCA 350 (3) Epidemiology I— This course explores principles of epidemiology with an emphasis on methods for researching and monitoring the patterns and risks associated with diseases in populations. Students will investigate the contributions of epidemiological studies on the assessment and prevention of human illness. (Typically Fall)

HCA 352 (3) Epidemiology II—Intermediate and advanced principles in epidemiology, with emphasis on study designs, selection/information biases, confounding and effect modification. Students will learn how to plan an epidemiologic study, analyze data from epidemiologic studies, critique the epidemiologic literature and prepare epidemiologic reports. Prerequisite: HCA350. (Typically Spring)

HCA 360 (3) Health, Aging & Society— This course will provide an overview of issues related to public health and aging. Students will explore the demography and epidemiology of aging and how aging is viewed in society today, including myths of aging and stereotypes of aging. The course will review theories of aging, the concept of successful aging, the implications of chronic illness and disability for public health, health promotion for older adults, and other topics central to public health in an aging society. (Typically Spring)

HCA 410 (3) Human Behavior & Health Interventions— The course emphasizes factors that influence human behavior, including individual, social, and environmental/community influences. Students explore public health interventions and strategies to promote healthy behaviors and discourage unhealthy behaviors. The course examines consequences, patterns, risk factors, and change/interventions for each behavior or problem. (Typically Spring)

HCA 420 (3) Health Promotions & Programs II—Builds on concepts introduced in Health Promotions and Programs I, including case studies and planning an intervention/health promotion program for a school, workplace, health care organization, or community - Prerequisite: HCA320. (Typically Spring)

HCA 430 (3) Health Economics— This course provides the core microeconomic theories and concepts needed to understand health and health care issues in both the developed and developing world. It describes how the markets for health and health services are different from other goods, with a particular emphasis on the role of government and market failure. In addition, it discusses the theoretical and empirical aspects of key health economics issues, including the demand for health and health services, supply side concerns, health insurance, the provision of public goods, and related topics. (Typically Spring)

HCA 435 (3-6) Guided Experience: Internship—This guided experience provides students with a real-world learning experience in the healthcare field through a mentored internship program. Students will work with program advisors and professional partners to complete the internship experience in authentic contexts that expose them to real-life healthcare providers and services. Three credits required. May be repeated up to a total of 6 credit hours. Prerequisite: Health Care Core (Typically Fall & Spring; Contract course, runs full semester)

HCA 450 (3) Global Health— This course introduces students to critical global health issues and ways to address or solve them. The curriculum focuses on the following global health topics: infectious and chronic diseases, maternal/child health, immigrant and refugee health, the relationship between

political and cultural processes and health, and factors contributing to disparate health outcomes in population groups. Prerequisite: HCA350. (Typically Spring)

HCA 485 (3) Capstone Project— The Senior Seminar course utilizes a capstone project which is a significant piece of work that demonstrates a student's knowledge and application of healthcare research, theory, and practice. This faculty-supervised project will culminate with a student presentation. Prerequisite: Health Care Core. (Typically Fall & Spring; Contract course, runs full semester)

HEBREW

HEB 101 (3) Elementary Hebrew I—An introduction to Biblical Hebrew with an emphasis on grammatical foundations. This course is designed for students who have never studied Hebrew. (Typically Fall)

HEB 102 (3) Elementary Hebrew II—Grammatical review and expansion of Elementary Hebrew I. Prerequisite: HEB 101 or advanced placement. (Typically Spring)

HEB 201 (3) Intermediate Hebrew—Development of translation skills in Hebrew literature with special emphasis on passages from the Old Testament. Prerequisite: HEB 102 or advanced placement. (Typically Fall)

HEB 301 (3) Advanced Hebrew Reading—A close reading of selected passages from the Hebrew Bible. Emphasis will be placed upon developing translational and interpretive skills. Prerequisite: HEB 201, permission of instructor, or advanced placement. (Typically Spring)

HEB 391 (1-3) Independent study—Independent study in a specialized field in consultation with supervising professor. Requirements usually include assigned readings combined with a research paper. Prerequisite: Completion of HEB 201 and a 3.0 GPA in Hebrew courses or by permission of professor. (Contract course)

HEALTH EDUCATION

HED 231 (3) Injury Care & Safety—Science of prevention, evaluation, management and rehabilitation of athletic injuries. Emphasis is placed on developing an understanding of the mechanisms of injury and on acquiring practical training room skills. Includes American Red Cross Community CPR and First Aid certifications. Requires a field component. Fee. (Typically Fall & Spring)

HED 282 (3) Community Environmental Health—Basic view into community health and environmental issues. Discussions include: personal health, community and national health organizations, the nation's health profile, health care systems and other basic community health related issues. Covers the study of the environment and the human impact on it and how it relates to the individual and global health. Requires a field component. (Typically every other Fall)

HED 299 (3) Contemporary Health Issues—Psychological, social, and physical implications of health education. Emphasis on creative teaching as well as the professional organizations associated with health education. Studies the theory and practice of selecting, organizing, and teaching health. Discussions include: consumer health issues, choosing reliable products and services, distinguish between valid and questionable information in the media and internet. Requires a field component. (Typically every other Fall)

HED 312 (3) Nutrition for Health & Human Performance— Study of nutrition and its relationship to health and physical performance. Covers nutrition throughout the life span and

relation to the enhancement of health, fitness, and sport performance. Recommended dietary intakes, supplements, ergogenic aids, special populations, weight control, weight loss and weight gain. Fee. (Typically Spring)

HED 322 (2) HPE in the Elementary School—Materials, methods, and practice in health and physical education activities suitable for use in the classroom, gymnasium and playground by children in the elementary school. Requires a field component. (Typically every other Fall)

HED 332 (3) Advanced Sport Nutrition—The focus of this course is on the nutritional needs of athletes. Topics to be considered may include metabolism, fuel sources for exercise and competition, the role of nutrients in a healthy diet, energy production/expenditure, digestion/absorption, fluid balance, dietary supplements, and adjusting nutritional needs for training adaptations. (Typically Fall)

HED 393 (3) Health Seminar—A discussion of selected topics and issues in the area of health education. Topics may vary for each semester the course is offered. Requires a field component. (Typically every other Spring)

HED 400 (3) Human Behaviors and Relationships—Emphasizes mental and emotional health, human sexuality and relationships. Prepares the future health educator to teach the components of mental and emotional health and the relationship between health and human sexuality. (Typically every other Spring)

HISTORY

HIS 101 (3) Western Civilization I—An introductory survey of social, intellectual, aesthetic, religious, and institutional developments of the western world up to the seventeenth century. The course will explore the foundational contributions made to the civilization of the West by the Greeks and Romans, as well as examine the rise and growth of the Christian faith and its impact on the Medieval and Reformation eras. The course concludes with a discussion of the Renaissance and the discovery of the Americas and how these developments prepared the West for the coming of the modern era. (Typically Fall)

HIS 102 (3) Western Civilization II—A continuation of the study of western civilization that begins in the seventeenth century and concludes with the contemporary era. The course will describe the settling of religious differences in Europe, the Age of the Enlightenment, the emergence of nation-states, and the growth of nationalism and western imperialism in the opening centuries of the modern age. The course concludes by exploring the twentieth century and the impact of totalitarian ideologies, world wars, and the emergence of minority and Third World issues. (Typically Fall & Spring)

HIS 201 (3) History of the United States to 1876—An introductory survey from Elizabethan times to the period of reconstruction. (Typically Fall)

HIS 202 (3) History of the United States since 1876—A continuation of HIS 201 from 1876 to the present. (Typically Spring)

HIS 298 (3) The American Civil War—A detailed examination of the American Civil War, including military, diplomatic and social aspects of the conflict. Important issues raised by the causes of the War and its conduct are given special attention. (Occasional offering)

HIS 311 (3) War in the American Memory—Wars have always cast long shadows over American history. Battles over the meaning and memory of wars have shaped American

culture and politics long after the actual bullets have stopped flying. The memory of wars—how the participants and subsequent generations perceive them, what we collectively remember and what we forget—may be as important as the wars themselves in influencing American culture. This course will examine the memory of wars in American history from the colonial period to the present. Memory manifests itself broadly in culture—in politics, literature, art, monuments, and film. Thus, we will take a multidisciplinary approach, using art, fiction, and film. We will ask questions such as: How has the memory of various wars shaped American politics, culture, and society? In turn, how has American culture influenced the way that wars are remembered? How do factors such as race, religion, class, gender, and region influence the ways in which individuals and the larger culture remember war? (Typically every other Spring)

HIS 313 (3) History of Religion in the United States—A study of the growth, development and spread of religion in the US from colonial times to the present. (Typically every other Spring)

HIS 316 (3) The United States in the 1960's—"History with a capital H had come down to earth," wrote New Leftist Todd Gitlin of the 1960s. "People were living with a supercharged density." This course probes the decade's ferment, exploring the political, economic, social, cultural, and religious development of the United States from roughly 1960 to 1974. Placing the era in historical and global perspective, this course covers major events and trends including John F. Kennedy's New Frontier, Lyndon Johnson's Great Society, the civil rights and feminist movements, the Vietnam War, the New Left, the counterculture, Richard Nixon and Watergate, and the seeds of the New Right. (Typically every other Spring)

HIS 319 (3) History of the American South to 1865—An examination of the cultural, social and political institutions that shaped the American South from colonial days through the Civil War. Special attention will be devoted to a study of the slave system and how it influenced the development of the South as a particular American cultural system. (Typically every other Fall)

HIS 320 (3) Ancient History—A study of the development of Mediterranean Civilization from its inception to the dissolution of the western half of the Roman Empire. Prerequisite: HIS 101, 102, 201, or 202. (Typically every other Fall)

HIS 321 (3) History of Christianity—A study of the growth of the Christian Church from the Council of Nicea to the present with emphasis on the formation of orthodoxy and its interrelation to surrounding society. (Typically every other Spring)

HIS 322 (3) Medieval Civilization—An examination of the formation and mutation of the salient features of medieval society. Prerequisite: HIS 101, 102, 201, or 202. (Typically every other Spring)

HIS 323 (3) History of Early Britain—An overall survey of British political, social and cultural history from Roman times to the end of the Tudor Reign. (Typically every other Fall)

HIS 325 (3) The Origins of France: from Caesar to Charlemagne—A survey of the formative period of early French history from the first century BC to the reign of Charlemagne, 768-814 AD. (Typically every other Spring)

HIS 326 (3) History of Modern Germany—A study of Germany from Frederick the Great to the present, with particular attention to the German state's political impact upon world history since 1870. (Typically every other Spring)

HIS 327 (3) Renaissance & Reformation—An examination of

the age of the Renaissance and its impact upon world thought, with special emphasis on the Reformation as a response to this view. Prerequisites: HIS 101, 102, 201, or 202. (Typically every other Fall)

HIS 335 (3) Revolutionary Europe—Beginning in 1789, Europe experienced a series of revolutionary upheavals that over the next century would transform its politics, economics, and culture. The class will examine topics such as the French Revolution and the “lesser” revolutions of the half century that followed, the growth of nationalism, the developments produced by industrialization, and the intellectual and religious ideologies that swept Europe over the “long nineteenth century.” (Typically every other Fall)

HIS 350 (3) Survey of Non-Western Cultures—A review of three major non-Western cultures: Islam and the Middle East, China, and Japan. (Typically every other Spring)

HIS 352 (3) History of Latin America—A study of the social, cultural and political institutions of Latin America from colonial days to the present. Particular attention will be given to the formation of Latin society during the colonial period, the impact of the revolutionary era and the attempts of the Latin American nations to achieve social, political and economic stability and progress in the nineteenth and twentieth centuries. (Typically every other Spring)

HIS 375 (3) The Study of History—A survey of history as academic discipline and as profession. The course will include philosophies of history, the contemporary academic and professional scene and detailed guidance in preparation of research papers. (Typically Fall)

HIS 391 (1-3) Directed Study—Directed reading in a concentrated area and the writing of a major paper. (Contract course)

HIS 393 (1-3) Seminar—Designated special-interest classes, seminars, or field experiences supervised by faculty, with appropriate course requirements. Credit may be given more than once. (Occasional offering)

INTERCULTURAL STUDIES

ICS 201 (3) Christianity & World Religions—A critical analysis of the belief systems and behavioral practices of contemporary religious systems. Special attention is given to the development of healthy interreligious dialogue and missionary strategies for reaching those people groups who practice such religious systems with the message of the Gospel. (Typically Fall & Spring)

ICS 210 (3) Cross-Cultural Life and Work—Presents readings and research into the organizational and practical aspects of missions, including selection of candidates, funding, interpersonal relationships, and family versus-ministry tensions. The course focuses on the work and ministry of the cross-cultural minister on the field. (Typically Spring)

ICS 250 (3) World Christianity—Examines the multi-faceted nature of the World Church that crosses cultural, continental, and denominational barriers. This course seeks to help the student understand his/her place in the broader Christian family so as to appreciate and engage with Christians of different backgrounds. (Typically Fall)

ICS 311 (3) Strategies in Intercultural Communication—Focuses upon the development of skills needed for effective, cross-cultural communication of the Gospel. Attention is given to strategic concerns such as the understanding of one's target audience, the task of identification with that target

audience, and the effects of cultural differences on the communication process. (Typically Fall)

ICS 312 (3) Mission Theology & Strategy—Considers the biblical, theological, and historical dimensions of mission. Includes study of strategies for world evangelism, transforming communities, and for church movements within specific cultural contexts. (Typically Fall)

ICS 322 (3) Contextualization: Christianity & Culture—Examines the impact of culture upon Christianity in all cultures, including our own, and the need for effective contextualization of the Gospel in every culture in order to address matters of faith and establish an indigenous church. This course is best taken by students in their last year of a degree program who have foundations in theology/Bible and culture as they prepare to be leaders and innovators in their churches and mission fields. Prerequisite: TH 250. (Typically Spring)

ICS 330 (3) The Church in Context—A course offered in conjunction with a visit to a context outside North America with significant interaction with church leaders and/or missionaries learning how the church is contextualizing the Christian Gospel or is hoping to appropriately reach a population. Travel Course. Fee. (Occasional offering)

ICS 340 (3) Urban Ministry—Addresses the church's response to the social, economic, and political dynamics of urban centers. Building on a biblical foundation, mission/ministry in the city is viewed from three perspectives: historical, contemporary, and future. The global explosion of urban growth will be examined, and strategies will be explored to help the church move ahead in the midst of the tremendous challenges of poverty, racism, human exploitation, and corruption. Fee. (Typically every other Fall)

ICS 435 (3) Internship—Integrates the practical experience of a short-term, cross-cultural assignment with directed, academic research. The course is carried out in connection with an approved agency such as a mission board, national church ministry, intercity outreach, etc. The student's performance is evaluated and graded by a faculty member of Asbury University in consultation with the approved agency. Credit/No Credit. (Contract course)

INSTRUCTIONAL DESIGN

ID 199 (3) Introduction to Instructional Design—This course introduces students to the field of instructional design including current trends in research, practice, the job market, and the role of technological evolution. Students also practice finding and evaluating existing resources in the field and best practices for engaging the digital information environment. (Typically Fall & Spring)

ID 201 (3) Foundations, Theory & Practice—Students will examine the use of instructional design theories and models to create materials that are appropriate in a variety of settings. Theories and models to support the design of web-based instruction will be emphasized. Students will focus on strategies for instruction, media selection, and evaluation that will enable them to design in technology rich environments. (Typically Fall & Spring)

ID 202 (3) Instructional Design & Messaging I—Students will engage in the fundamentals of Instructional Design and Messaging including design and development of instructional strategies that are relevant to a specific student-selected topic of interest. Students will learn and apply a given approach to completing each phase of a common design process and will

plan and produce projects from each of these phases to demonstrate mastery of each phase. Emphasis will be placed on the process of project planning, design, development, implementation and evaluation. (Typically Spring)

ID 211 (3) Technology Issues & Trends—This course will provide an introduction to the field of instructional technology and its impact on training and communication. Historical and current perspectives are examined, as well as emerging trends and issues. The application of innovative instructional technology is introduced in this project-based course. (Typically Spring)

ID 212 (3) Instructional Design & Messaging II—This course includes the study of the knowledge and skills required to perform the primary steps in the instructional design process; analysis, design, development, implementation, and evaluation. Prerequisite: ID 202. (Typically Fall)

ID 250 (3) Learning Theory—Students will explore human learning and cognitive process. The course will provide an overview of the development of learning theory, cognitive models, communication strategies, and mental processes. The role of educators and trainers in the learning process to create interactive environments is examined. Major theories concerning the learning process and their implications for the instructional process are also investigated. (Typically Spring)

ID 325 (3) Designing for Online Interactions—This course will provide an overview of how to better integrate Internet resources (information, communication, and collaboration) to improve education and training. In addition, students will create and publish web-based instructional materials. Students will also explore basic principles of user-centered design and website maintenance. (Typically Fall)

ID 350 (3) Multimedia—This course provides an introduction to developing multimedia materials. Topics include basic design and development guidelines as well as an introduction to representative multimedia instructional development. (Typically Fall)

ID 375 (3) Learning Management Systems—This course introduces students to the functions and applications of learning and content management systems with a specific emphasis on the use of these tools for delivering educational and training content. Students will interact with several mainstream software and web applications, including mobile. (Typically Fall)

ID 385 (3) Training & Communication—Students will study the development of integrated instructional systems for performance improvement in training and teaching contexts. Course emphasizes the design, development, implementation, and evaluation of instructional solutions, including communication strategies and techniques for facilitating training. Prerequisite: ID 199. (Typically Spring)

ID 410 (3) Assessment/Evaluation—In this course, students will demonstrate assessment literacy and will design and develop assessments to be integrated into the learning process. Students will learn to identify the differences in formative and summative evaluation data and design online learning scenarios to address both. Emphasis is placed on the development of a variety of effective assessment tools. Prerequisite: ID 199. (Typically Spring)

ID 450 (3) Project Management—This course explores project management methodologies, procedures, and tools and their applications related to the creation and implementation of educational and training solutions. The course emphasizes strategies for managing human, financial, and technology resources based upon the constraints, scope,

and nature of the project being designed. Prerequisite: ID 199. (Typically Spring)

ID 470 (1-6) Guided Experience—This guided experience provides students with a real-world learning experience in the Instructional Design field through a mentored internship program. Students will work with program advisors and professional partners to complete the internship experience in authentic contexts that expose them to real-life instructional design problems, products, and projects. Three credits required. May be repeated up to a total of 6 credit hours. Prerequisite: ID 199. Must be taken at Asbury. (Typically Spring)

ID 475 (3) Capstone Project—The Senior Seminar course utilizes a capstone project which is a significant piece of work that demonstrates a student's knowledge and application of instructional design research, theory, practice, and technology. The project will represent a student's ability to analyze, develop, and design a product to meet an instructional design need. This faculty-supervised project will culminate with a student presentation of the completed product. Prerequisite: ID 199. Must be taken at Asbury. (Typically Spring)

INSTRUMENTAL MUSIC

INS 100 (1) Class Guitar—Class lessons for the beginning student in guitar. (Typically Fall)

INS 201 (1-2) Private Lessons for Non-Majors—For all non-majors studying private wind, string or percussion instruments. Students registering for 1 credit hour receive a one-half-hour lesson weekly. Students registering for 2 credit hours receive a one-hour lesson weekly. Students are encouraged to also enroll in an approved ensemble. Fee. (Typically Fall & Spring)

INS 211 (1-2) Private Lessons for Underclassmen Music Majors & all Music Minors—Underclassmen music majors and music minors enroll for 4 semesters of private instruction at the 211 level. Students registering for 1 credit hour receive a one-half-hour lesson weekly. Students registering for 2 credit hours receive a one-hour lesson weekly. Students selecting a performance emphasis are required to register for 2 credit hours per term Prerequisite: Acceptance into the music major or music minor by audition as described in the Music Student Handbook. Fee. (Typically Fall & Spring)

INS 411 (1-2) Advanced Private Lessons for Upperclassmen Music Majors—Upperclassmen music majors in the B.A. degree program must complete 4 semesters of instruction at the 411 level. Those electing the Performance Emphasis are required to enroll for 2 credit hours per term. Students whose emphasis is Composition or Music History are only required two semesters of private lessons at the 411 level—with a demonstration of major instrument proficiency as outlined in the recital guidelines published by the Music Department (available at this website:

www.asbury.edu/academics/departments/music/music-home/current-student-forms). Upperclassmen music education majors in the B.S. degree program must complete at least 3 semesters of instruction at the 411 level. Prerequisite: Upperclassman Proficiency Exam passed, as described in the Music Student Handbook. Fee. (Typically Fall & Spring)

INS 461, 462 (1 each) Instrumental Pedagogy—Designed for performance emphasis students but not restricted to them. Open to students preparing to teach brass, woodwind, string, or percussion instruments. Emphasis is given to a survey of

pedagogical procedures and materials. Practical experience is gained through supervised teaching. (Occasional offering)

JOURNALISM

JRN 110 (3) Foundations of Journalism—In this course you will acquire fundamental interviewing, newsgathering and writing skills needed to thrive as journalists working in any medium. The class also provides a basic overview of journalism history and current industry structure. The course focuses on essential practices and principles that apply to reporters, photographers, bloggers, producers and editors across all media formats. The class emphasizes news judgment, storytelling and reporting skills, as well as writing clearly and quickly. (Typically Fall)

JRN 207 (3) Journalism Design—In this course you will examine how design can strongly influence and even determine a news story's structure and meaning. You will learn the appropriate Adobe software needed to design print and online content delivery. You will explore how typography and images convey meaning. The aim of this course is to improve communication through visual language. Fee. (Typically Fall)

JRN 214 (3) Video Journalism—This is an entry-level course designed to serve as an introduction to the aesthetics and techniques of basic video production. You will develop the ability to capture video images and audio and edit those two elements together to tell engaging nonfiction stories. No videography experience is necessary prior to taking this course! Fee. (Typically Spring)

JRN 285 (3) Travel Journalism—Students travel to other countries, meet international journalists, and contribute travel stories and video segments to an original website. (Optional Summer Course) (Occasional Offering)

JRN 303 (3) Features & Opinions—You will learn to research, organize, and write feature articles and opinions for newspapers, magazines, and online media. You will develop strategies for finding and focusing stories, interviewing, observing, structuring your writing, and sustaining an engaging nonfiction story. Coursework will culminate with you authoring a professional quality feature article for inclusion in your writing portfolio. (Typically every other Spring–odd years)

JRN 333 (3) Advanced Journalistic Research/Writing—A rigorous examination and grounding in research and investigative methods from preparing for interviews to records searching, from computer-assisted reporting to the use of the Freedom of Information Act. Students will learn how to verify sources, as well as how to detect and avoid “fake news”. Online course, which includes travel to NY or DC for reporting and research. Prerequisite: JRN 110, JRN 390. (Typically every other Spring—even years)

JRN 343 (3) Photo Journalism—Students learn how to shoot the storytelling moments with still photos and create audio slideshows for news outlets. Fee. (Typically Fall)

JRN 374 (3) Emerging Journalism—This course explores the frontlines of emerging multimedia technologies in the newsroom such as VR, mobile reporting, augmented reality, 360-video, bots, podcasting, satirical comedy programming, and how these emerging techniques can strengthen nonfiction storytelling. Prerequisites: JRN 110 or MC 212, JRN 214 or MC 302, and JRN 207 or MC 225. Fee. (Typically every other Fall—even years)

JRN 375 (3) Documentary Filmmaking—Students use research, reporting, interviewing, and other journalistic

techniques to produce a long-form video project (a documentary) exploring a newsworthy topic. Prerequisite: JRN 214 or MC 302. Fee. (Typically Fall)

JRN 376 (3) Global Journalism—Focuses on covering conflict, religion, human rights, and global press freedom challenges, trends in international journalism, and how reporting can change when you cross borders. How do you get a domestic audience to care about a story taking place halfway across the world? In this course you will explore the practical and theoretical issues involved in reporting the world. (Typically every other Spring—even years)

JRN 390 (3) Nonfiction Storytelling—To be a great writer, you must be a great reader! In this course you will go beyond the conventions of lower-level courses to examine the techniques that make nonfiction storytelling memorable. We will read, discuss, and reverse engineer the work of some of the most compelling nonfiction writers of the 20th and 21st century. Prerequisite: JRN 110. (Typically Fall)

JRN 391 (1-3) Independent Study—A directed and supervised investigation of a selected research problem or issue in the field of Journalism. A student may not take more than four (4) hours of independent study. (Contract Course Offering)

JRN 393 (1-3) Seminar—A seminar focusing on one or more significant areas of journalism such as advocacy journalism, editing, pictorial journalism, journalism history, propaganda/persuasion in the media, devotional writing, review writing for books, plays, films, and records. Topics chosen by instructor. For students having completed two three-hour journalism courses. Credit may be given more than once. (Occasional Offering)

JRN 435 (1-6) Internship—Journalism or related industry experience under the supervision of a journalism professional. Students must be a junior or senior and must have taken 12 hours in JRN. Repeatable. (Contract course)

JRN 490 (3) Senior Capstone—You will develop and produce a portfolio project from start to finish, while acquiring and applying the skills of self-employment. You dive into juggling technology, reporting, and entrepreneurial skills. You learn the basics of budgets, taxes, and legal practices of freelance and sole-proprietor journalism and discover the risks and rewards of pursuing stories without the support and restrictions of a newsroom. Prerequisites: JRN 110, 214, and 207. (Typically Spring)

(Kinesiology) PE - ROTC

KHP 107 (1) BEGINNING CONDITIONING—Instruction in a variety of motor skills activities. Courses are designed for students at a beginning level. Up to six hours credit may be earned in service course. This course may count towards satisfying the PE Foundations requirement.

LIBERAL ARTS

LA 100 (1) ENGAGING THE LIBERAL ARTS—An interactive seminar designed to promote critical and conceptual thinking about questions arising about human life, culture, experience, and Christian faith. Required of all new first-time full-time students and freshmen transfers. Fee.

LATIN

LAT 101 (3) Elementary Latin I—An introduction to classical Latin with an emphasis on grammatical foundations. This

course is designed for students who have never studied Latin. (Typically Fall)

LAT 102 (3) Elementary Latin II—Grammatical review and expansion of Elementary Latin I. Prerequisite: LAT 101 or by advanced placement. (Typically Spring)

LAT 201 (3) Intermediate Latin I—Continued development of grammar and translation skills in Latin. Prerequisite: LAT 102 or by advanced placement. (Typically Fall)

LAT 202 (3) Intermediate Latin II—A continuation of LAT 201. Prerequisite: LAT 201 or by advanced placement. (Typically Spring)

LAT 301 (3) Readings in Latin Literature I—Readings in Latin literature from the major literary figures of the classical period. Prerequisite: LAT 202 or permission of the professor. (Typically Fall)

LAT 302 (3) Readings in Latin Literature II—Readings in Latin literature from the major literary figures of the classical period. Prerequisite: LAT 301 or permission of the professor. (Typically Spring)

LAT 391 (1-3) Independent Study—Independent study in a specialized field in consultation with supervising professor. Requirements usually include assigned readings combined with a research paper. Prerequisite: Completion of LAT 202 and a 3.0 GPA in Latin courses or by permission of professor. (Contract course)

LAT 393 (1-3) Seminar—A course designed for advanced students with the area of concentration to be determined by the staff. Credit for this course may be given more than once. (Occasional offering)

LAT 401 (3) Readings in Latin Literature III—Advanced readings in Latin literature from the major literary figures of the classical period. Prerequisite: LAT 302 or permission of the professor. (Typically Fall)

LAT 402 (3) Readings in Latin Literature IV—Advanced readings in Latin literature from the major literary figures of the classical period. Prerequisite: LAT 401 or permission of the professor. (Typically Spring)

LAT 410 (3) Latin P-12 Teaching Methods—An introduction to the methods and materials used in teaching Latin in elementary, middle and high schools. Prerequisites: LAT 301, ED 200, 201, 230 and admission to the Teacher Education Program. Course does not count toward the advanced Latin hours required for the non-teaching major in Latin. Field component. (Occasional offering)

LEADERSHIP & MINISTRY

LMN 310 (3) Strategies for Success—The setting of goals, as well as priorities among those goals, with an emphasis on how those goals and priorities relate to the realities and aspirations of life. The attitude of the individual, including other aspects of psychological makeup and how it affects the ability and willingness to set goals and priorities. An emphasis on how goals, priorities and attitudes can lead to effective Christian personal management. (Typically Fall & Spring)

LMN 322 (3) Old Testament History—A survey of Israel's history as presented in the Pentateuch and the historical books with emphasis on creation, fall, covenant, kingship, and Israel's role in God's redemptive work. (Typically Fall)

LMN 332 (3) Leadership in Ministry—A survey of foundational principles of spiritual and organizational leadership in ministry settings. Particular focus is placed on team leadership and development of leaders. (Typically Spring)

LMN 342 (3) Jesus and the Gospels—A study of the life of Jesus in its ancient socio-historical and canonical contexts, and of the Four Gospels with regard to their literary genres and forms, settings, theology, and contemporary relevance. (Typically Spring)

LMN 352 (3) Studying & Teaching the Bible—An introduction to processes for studying and understanding the Bible with a view toward life application. Students develop skills in these processes, as well as in preparing and leading group Bible studies. (Typically Fall & Spring)

LMN 362 (3) Old Testament Prophetic Literature—A study of selected passages from key prophetic books focusing upon the prophets' message of justice, mercy, salvation and future hope. (Typically Spring)

LMN 372 (3) Dynamics of Spiritual Growth—A study of the dynamics of Christian growth and maturity, with special emphasis on the Spirit-filled life. Concepts of discipleship and spiritual formation will be considered in the light of human developmental patterns. The course is concerned with students' own spiritual growth, and their facilitation of others' spiritual growth. (Typically Fall & Spring)

LMN 378 (3) Growth of the New Testament Church—A study of the emergence and development of the first century Christian church in relationship to its historical, religious and philosophical milieu, with particular attention given to the Book of Acts. (Typically Fall)

LMN 382 (3) New Testament Letters—A study of select epistolary literature of the New Testament—especially Paul's major letters, Hebrews, and 1 John—focusing on principles of interpretation, theological content, ethics, and spiritual formation. (Typically Spring)

LMN 392 (3) Congregational Education—Principles and practices for the church's ministry of education and discipling will be considered, with concern for integration of Biblical/theological perspectives with the findings of educational and developmental research. (Typically Spring)

LMN 397 (3) Christianity & World Religions—A critical analysis of the beliefs and practices of contemporary religious systems, including Islam, Buddhism, Hinduism, animism, and secular humanism. Special attention is given to developing strategies for intersecting people groups who practice such religious systems with the message of the Gospel. (Typically Fall)

LMN 410 (3) Mentoring in Ministry—(MM program) An examination of the practice of mentoring as a tool for assisting people in life development and Christian discipleship. The course will explore the diversity and pervasiveness of mentoring as a construct and as a practice. Students will learn to do literature review and are expected to be in a mentoring relationship while in the course. (MM Cohort)

LMN 412 (3) History of the Early Church—A study of the development of the post-apostolic Christian church through the Council of Chalcedon (451 A.D.). (Typically Spring)

LMN 422 (3) Small Groups—An exploration of the value and function of small groups for discipleship and leadership development. Principles and practices of leading such groups will be studied, and students will become acquainted with historical and contemporary models of small group ministry. (Typically Fall)

LMN 432 (3) Psalms & Wisdom—An introduction to the Psalms and Wisdom Literature of the Old Testament emphasizing the theological themes of praise and worship, lament and doubt, and the ethical dimensions of biblical faith. (Typically Spring)

LMN 433 (3) Flourishing in Ministry—(MM program) An analysis of factors that contribute to longevity and satisfaction in the role of minister. Wellness begins in a journey of personal self-awareness, as well as gaining an understanding of self-care and lifestyles that promote balance throughout the lifecycle. The holistic focus of the course includes consideration of marital, interpersonal, physical, and spiritual dimensions. Sources of stress, burnout, impairment, and means for coping will be a particular concern of the course. (MM Cohort)

LMN 434 (3) Organizational Strategies in Ministry—A study of organizational strategies and administrative structures for effective ministry. Attention is given to planning, implementing and evaluating the organizational and administrative framework of various types of ministries. (Typically Fall)

LMN 442 (3) Theology of Mission—A study of theological foundations for mission, including examination of both Old and New Testament texts. Attention will be given to Israel's responsibility for other nations, the commissions given by Jesus, and the missiological practices of Paul and other early church leaders, with an eye toward principles for reaching today's world. (Typically Spring)

LMN 453 (3) Ministry Risks & Crises—(MM program) An exploration of a range of crisis possibilities and risk management issues that confront ministry leaders in the North American context. Students will develop policies and procedures related to facility lock-downs, safety and liability, screening of volunteers, personal/professional boundaries, and coordination/accountability with community public safety and regulatory agencies. Crisis counseling models for effective pastoral care through normative life transitions and trauma will be included. Case study will be a primary method in this course. (MM Cohort)

LMN 462 (3) The Church in Contemporary Society—The role of the Church within society will be explored in the light of Biblical teaching about the Kingdom of God, with concern for various models and expressions of church in the contemporary setting. (Typically Spring)

LMN 472 (3) Christian Theology—An exploration of the Christian faith from the perspective of biblical, historical, and systematic theology. (Offered occasionally)

LMN 475 (3) Contemporary Issues in the Ministry Context—(MM program) A study applying Christian faith and ministry practice to the contemporary cultural context, recognizing such context includes values and policies that may be at variance with orthodox faith positions. Students learn and practice a process of theological reflection, based on a Wesleyan-Holiness perspective, as a framework for developing Christian faith-centered engagement with present and emergent issues and challenges. (MM Cohort)

MATHEMATICS

[MAT Ed courses registered as MTA have a fee attached.]

MAT 118 (3) Math That Matters I—This course offers a survey of various mathematical topics in a liberal arts context with an emphasis on the appreciation of mathematics in everyday lives. Students will work on strengthening their basic knowledge and applications of mathematics while honing their computational skills. Required of all students with Math test score of ACT 21 or below, pre-2016 SAT 500 or below, or new 2016 SAT 530 or below. (Typically Fall)

MAT 119 (3) Math That Matters II—The second course in the sequence will extend the knowledge of various mathematical

topics in a liberal arts context with an emphasis on the appreciation of mathematics in everyday lives. Students will continue to work on strengthening their basic knowledge and applications of mathematics while honing their computational skills. Prerequisite: MAT 118. (Typically Spring)

MAT 111 (3) College Algebra—(Course may be accepted when transferred in from another institution or from College Level Examination Test but will not be offered at this institution.) Review of fundamental concepts of algebra including radicals, exponents, products and factoring. A study of equations and inequalities, and functions and graphs including polynomial and rational functions.

MAT 112 (3) Precalculus—(Course may be accepted when transferred in from another institution or from College Level Examination Test but will not be offered at this institution.) Emphasizes a strong working knowledge of logarithmic and trigonometric functions. A major review of algebra with emphases on functions. Includes a preview of calculus.

MAT 120 (3) Viewing Life Mathematically—This course offers a survey of various mathematical topics in a liberal arts context with an emphasis on quantitative literacy. The applications will span many disciplines as to support the theme that math is everywhere and impacts many facets of life. Topics include key algebraic, geometric, financial, and statistical concepts. Throughout the course, students will hone their computational skills and extend their knowledge through problem solving and applications. Prerequisite: Math test score of ACT 22, pre-2016 SAT 510, or new 2016 SAT 540, or transfer of MAT 111 or MAT 112. (Typically Fall & Spring)

MAT 181 (4) Calculus I—This course covers topics in Calculus related to the definition of derivatives and limits; derivatives of elementary functions; applications of derivatives; elementary integrals; and applications of integrals. Corequisite: MAT181L. (Typically Fall);

MAT 182 (4) Calculus II—This course covers topics in Calculus related to integration techniques; polar functions; parametric and vector functions; vectors and the geometry of space; and vector functions. Corequisite: MAT182L. Prerequisite: MAT181 (Typically Spring)

MAT 183 (4) Calculus III—This course covers topics in Calculus related to partial derivatives; multiple integrals; and sequences and series. Corequisite: MAT1823L. Prerequisite: MAT182 (Typically Fall);

MAT / MTA 201 (3) Elementary School Mathematics I—This course is designed to equip future elementary teachers to facilitate children's mathematical development. Using standards for mathematical practice and content, students will deepen their knowledge and understanding of mathematics through the teaching and learning of content for grades K-2. Selected material from other grade levels will be explored in preparation for future courses in the series. A clinical component of the course will focus on preparing math lessons for grades K-2 students which integrate technology and focus on conceptual understanding.

Pre-requisite for MAT 201: MAT 100 equivalent course or Math test score of ACT 22/pre-2016 SAT 510 or comparable new 2016 SAT. Fee. (Typically spring)

Pre-requisite for MTA 201: passing score on CASE math section = 150. Fee. (Typically Fall & Spring)

MAT / MTA 202 (3) Elementary School Mathematics II—This course is designed to equip future elementary teachers to facilitate children's mathematical development. Using standards for mathematical practice and content, students will deepen their knowledge and understanding of mathematics

through the teaching and learning of content for grades 3-4. Selected material from other grade levels will be explored in preparation for future courses in the series. A clinical component of the course will focus on preparing math lessons for grades 3-4 students which integrate technology and focus on conceptual understanding. Prerequisite: MAT/MTA 201 with minimum grade of C. Fee. (Typically Fall); MTA 202 Fee. (Typically fall & spring)

MAT / MTA 203 (3) Elementary School Mathematics III—

This course is designed to equip future elementary teachers to facilitate children's mathematical development. Using standards for mathematical practice and content, students will deepen their knowledge and understanding of mathematics through the learning of content for grades 5-7. Selected material from other grade levels will be explored, including a comprehensive review of skills and knowledge for elementary and middle school mathematics. A clinical component of the course will focus on preparing math lessons for grades 5-7 students which integrate technology and focus on conceptual understanding. Fee. Prerequisite: MAT/MTA 202 with a minimum grade of "C". Fee. (Typically Spring); MTA 203 Fee. (Typically Fall & Spring)

MAT 232 (3) Introduction to Probability & Mathematical

Statistics—(Course may be accepted when transferred in from another institution or from College Level Examination Test but will not be offered at this institution.) An introduction to the basic concepts of mathematical statistics including the organization and descriptive analysis of data, probability, sampling distributions, hypothesis testing, and simple regression and correlation.

MAT 241 (3) Logic & Sets—A study of the language of logic and of the theory of sets with their applications to various content areas of mathematics for the purpose of helping the student acquire an ability to construct mathematical proofs. Prerequisite: MAT 181. (Typically every other Spring)

MAT 252 (3) Differential Equations & Modeling—A first course in the quantitative solution of differential equations, including first-order equations, and second- and higher-order linear equations. There will be an emphasis throughout the course on the application of differential equations to various real-world problems. Prerequisite: MAT 182. (Typically Fall)

MAT 255 (3) Financial Mathematics—This course is designed to provide an understanding of the fundamental concepts of financial mathematics and how those concepts are applied in various settings in preparation for the Actuary FM Exam. Students will gain knowledge related to calculating present and accumulated values for various streams of cash flows as a basis for future use in reserving, valuation, pricing, asset/liability management, investment income, capital budgeting, and valuing contingent cash flows. (Typically every other Fall)

MAT 271 (3) Linear Algebra—A study of linear algebra, including vector spaces, matrices, determinants, inner products, linear transformations, and eigenvalues and eigenvectors. Prerequisite: MAT 182. (Typically Spring)

MAT 281 (3) Probability—Calculus-based introduction to probability including distributions of discrete and continuous random variables, expected values, and the Central Limit Theorem. Prerequisite: MAT 183. (Typically every other Spring)

MAT 351 (3) Applied Mathematics I—A contemporary approach to applied mathematics with focus on computational techniques. Numerous scientific and engineering applications are covered along with the associated algorithms, always

stressing a consistent underlying mathematical framework. Topics include introductions to numerical linear algebra, initial value problem solution, boundary value problem solution, interpolation, approximation and generalized Fourier series. Prerequisite: MAT 252, 271. Corequisite: CSC 121 (Typically Fall)

MAT 352 (3) Applied Mathematics II—A contemporary approach to applied mathematics with focus on computational techniques. Numerous scientific and engineering applications are covered along with the associated algorithms, always stressing a consistent underlying mathematical framework. Topics include introductions to numerical linear algebra, initial value problem solution, boundary value problem solution, interpolation, approximation and generalized Fourier series. Prerequisite: MAT 351. (Typically Spring)

MAT 361 (4) Probability & Statistics—This course is an introduction to probability and statistics including the organization, representation, descriptive analysis, and interpretation of data; the design of surveys, experiments and observational studies; continuous and discrete probability; conditional probability; combinatorial techniques; hypothesis testing; regression and correlation; and generation of confidence intervals. This course is designed for teacher candidates in the Mathematics Grades 8-12 Major, Middle School Math Concentration, and Elementary Math Concentration. Fee. (Typically every third Fall)

MAT 362 (4) Modern Geometry—This course is on a study of geometry including transformations, congruence, similarity, trigonometry, coordinate geometry, 2- and 3- dimensional shapes, traditional and alternate systems of constructions, proofs, non-Euclidean geometries, and measurement. Geometry content is explored using manipulatives, dynamic geometry software, and other instructional methods. This course is designed for teacher candidates in the Mathematics Grades 8-12 Major, Middle School Math Concentration, and Elementary Math Concentration. Fee. (Typically every third Fall)

MAT 364 (4) – Math Technology for Teachers—This course will enable students to use technology more effectively in the mathematics classroom and explore concepts to deepen mathematical understanding. Students will study topics in programming as well as math hardware and software using the TPACK framework. This course is designed for teacher candidates in the Mathematics Grades 8-12 Major, Middle School Math Concentration, and Elementary Math Concentration. Fee. (Typically every third Fall)

MAT 371 (4) Algebraic Structures—This course introduces algebraic structures including groups, subgroups, rings, fields and integral domains. Special emphasis is placed on the real number system. Included is a brief introduction to number theory and a review of matrix algebra. A systematic review of Algebra I, Algebra II, Pre-Calculus, and Mathematical Modeling are conducted in a manner appropriate for teacher candidates in the Mathematics Grades 8-12 Major, Middle School Math Concentration, and Elementary Math Concentration. Fee. (Typically every third Fall)

MAT 391 (1-3) Directed Study—An advanced study of select problems. Prerequisite: 9 hours of MAT in courses numbered 300 or above and a 3.00 GPA in MAT courses. Not more than four hours may apply toward graduation. (Contract course)

MAT 393 (1-4) Seminar—Discussion of selected topics. May be offered in conjunction with other departments or as a separate course primarily for math or computer science students. (Occasional offering)

MAT 432 (3) Financial Statistics—Application of statistical methods in finance and economics. Topics include single and multivariate regression analysis, integrated methods, moving average models, auto-regression models, time series analysis, ARMA and ANOVA models. Prerequisite: MAT 232. (Occasional offering)

MAT 435 (0.5-3) Mathematics Internship—In consultation with program faculty, a student will be placed in an internship in the business, finance, insurance, industry, etc. The student will maintain contact with the faculty sponsor and produce a paper or presentation of the work done during the internship experience. (Contract course)

MAT 442 (3) Numerical Analysis—A study of numerical methods concerned with the formulation of mathematical problems so that they may be solved using computers. Topics include root finding, interpolation, integration, and the solution of linear systems and differential equations. Prerequisites: MAT 252, 271. Corequisite: CSC 122. (Typically every other Spring)

MAT 460 (4) Topics in Mathematics for Elementary Teachers— This course focuses on mastery of standards for mathematical practice and content, with the purpose of developing highly qualified elementary mathematics content experts. The clinical course component will pair future teachers with students in grades K-5 to provide remediation, enrichment, and/or tutoring in mathematics. An action research project will serve as the culmination of this course. Prerequisite: MAT201 and 202 with a minimum grade of "C". Fee. (Typically every other Fall)

MAT 461 (4) Topics in Mathematics for Middle School Teachers— This course focuses on mastery of standards for mathematical practice and content with the purpose of developing highly qualified middle school mathematics content experts. The clinical course component will pair future teachers with students in grades 6-8 to provide remediation, enrichment, and/or tutoring in mathematics. An action research project will serve as the culmination of this course. Fee. (Typically every other Fall)

MAT 462 (3) Topics in Mathematics for High School Teachers—This course focuses on mastery of standards for mathematical practice and content with the purpose of developing highly qualified grades 8-12 mathematics content experts. Information obtained from assessments and surveys at the beginning of the course will be utilized to create and implement development plans for students. Fee. Prerequisites: MAT 361, 362, and 371. (Typically Fall)

MAT 471 (3) Abstract Algebra—An introduction to mathematical theory on rings, groups and their homomorphism and isomorphism. Prerequisite: MAT 241 and 271. Fee. (Typically every other Fall)

MAT 474 (1) Financial Mathematics Senior Capstone— Focuses on how to use financial mathematics skills to penetrate and impact the cultural setting of corporate leaders in the U.S. and overseas. Requires a paper which synthesizes the student's vision of how financial mathematics may be used for the Kingdom of God. (Typically Fall)

MAT 475 (1) Senior Seminar—This course will consist of a series of projects, many of which are chosen by students, on the basis of evaluative procedures and career plans. Most projects will involve class presentations, and projects that integrate several topics will be particularly encouraged. (Typically Fall)

MAT 481 (3) Real Analysis—A detailed examination of the analytic foundations of calculus. Topics include sequences,

limits, continuity, differentiation, Riemann integration, and an introduction to topology. Prerequisite: MAT 241. (Typically every other Fall)

MAT 482 (3) Complex Analysis—The first course in the extension of calculus to complex numbers. Topics include the concept of analytic functions, the Cauchy-Riemann equations, Cauchy's theorem and formula, power series, the calculus of residues and the evaluation of definite integrals, conformal maps, and Riemann surfaces. Prerequisite: MAT 252, 271. (Typically every other Spring)

MEDIA COMMUNICATION

MC 101 (3) Media and Society—Development, functions, processes, control, and effects of mass media. A survey of the media industry, its socio-economic role in American society, and the impact of mass media in society, as well as society's influence on the media. Fee. (Typically Fall)

MC 120 (3) Radio Production—Students will gain a basic understanding of audio equipment used for radio production and live broadcasting. Course provides experience and knowledge of the principles and techniques of producing radio commercials, news, documentaries, and interviews. Participation in live broadcasting on WACW campus radio. Fee. (Typically Fall & Spring)

MC 121 (3) Audio Production Basics—A broad overview of audio production including audio theory, basic digital audio techniques, basic audio recording and mixing techniques, and familiarity with relevant software and hardware. Required for Audio Production emphasis. Fee. (Typically Fall, Spring & Summer)

MC 200 (3) Intro to Film Production—This hands-on course is experiential - students will actively participate in making a Hollywood-style short film and learn how to fulfill certain roles on film sets. Students will get experience working as crew on this short film set to learn basic film etiquette. Prerequisite for courses in Cinematography, Producing and Directing. (Typically Fall)

MC 211 (3) Fundamentals of Media Performance—A study of the theories and techniques of performance in film, audio, video, and public address. Students will be given opportunities for performance in studio and other public communication settings. The course will acquaint students with the media performance industry, with emphasis on personal marketing and tools for employment. Fee. (Typically Spring)

MC 212 (3) Writing for The Media—Examines a variety of techniques and formats including broadcast news, web/interactive media, television commercials/public service announcements, industrial/nonprofit video, documentaries, and screenplays. Practical emphasis on improving writing/editing skills and developing writing strategies. Prerequisite: ENG 110 or 151. Fee. (Typically Fall & Spring)

MC 222 (3) Digital Audio Editing—A comprehensive study of digital audio workstation (DAW) editing techniques used in various audio production environments. Detailed instruction in the use of Pro Tools and other software with emphasis on stereo and multi-track editing, noise reduction, tuning, use of plug-ins, and delivery formats. Lab exercises are used to develop hands-on competency; hands-on proficiencies assess abilities. (offered each spring). Prerequisite: MC 121. Fee. (Typically every other Spring—odd years)

MC 225 (3) Interactive Media I—Provides an overview of new multimedia technologies and their impact on human communication as well as cultural, ethical, and industry

implications. Emphasizes basic design principles for effective digital information architecture and offers a hands-on introduction to building web sites and creating multimedia presentations. Includes a lab. Fee. (Typically Fall & Spring)

MC 228 (3) Live Audio & Sound Reinforcement—Explores microphone selection, acoustics, live mixing, equalizing, sound reinforcement and live recording. Includes a lab. Fee. (Typically Fall)

MC 261 (4) Multi-Camera Television Production—Survey of the theory, process, and technique of television production including the planning, preparation, and production of various types of studio and remote programs. Includes three-hour lecture and a lab. Fee. (Typically Fall, Spring & Summer)

MC 272 (3) Film Aesthetics—This course will introduce students to the basics of film aesthetics. This will include the study of essential film theories, film criticism and history, film classics, editing and screenwriting theories, and the key elements of visual storytelling. Fee. (Typically Fall)

MC 275 (3) Audio Engineering & Mixing—Examines advanced analog and digital audio signal flow, signal processing equipment and techniques, and sound mixing processes for both music and audiovisual production. Prerequisite: MC 121. (Typically Fall)

MC 282 (4) Feature Film Screenwriting—A writing course in film and television. Original screenplays will be developed. Includes lab for script development and discussion of three act structure and story development based on Aristotle's Poetics and Lajos Egri. Includes a lab. Prerequisite: MC 212. May be repeated twice for credit. Fee. Online (Typically Fall & Spring)

MC 302 (3) Single Camera Production—Students learn the fundamentals of single-camera video production, including preproduction, production, and post-production procedures and techniques. The course emphasizes film-style shooting, field lighting and audio recording, producing, editing, and delivering compelling visual stories on time, on budget, and on target. Prerequisite: MC 261. Fee. (Typically Fall, Spring & Summer)

MC 308 (3) Broadcast News—A study of the broadcast news process primarily emphasizing television news. Content includes writing, reporting, news editing, and news production. Prerequisite: JRN 214, or MC 212 and 302, or permission of the instructor. Fee. (Typically Fall)

MC 310 (3) Cinematography & Lighting—This course will introduce students to the fundamental theory and practice of cinematography and lighting for film and video. We will examine the technical and the aesthetic aspects of cinematography and learn how to apply this knowledge to practical cinematographic choices. Prerequisite: MC 302. Fee. (Typically Spring)

MC 318 (3) Film History—We will examine the development and history of the film industry. The course will focus its study on film's most influential directors in an attempt to develop an understanding of each director's aesthetic and storytelling identity. We will also study the influence of independent filmmakers on the industry. Fee. (Typically Spring)

MC 320 (3) Inside the Music Business—Overview of all aspects of the music industry including: copyright law, recording contracts, music publishing, artist management, touring, marketing and promotion. Fee. (Typically every other Spring-even years)

MC 325 (3) Design for Film, Television, & Theatre—Students will explore how design influences storytelling by studying design concepts for film, television and theatre. They will learn how to analyze a script and create a design plan

including costuming, sets, and props. (Online only) Fee. (Typically Spring)

MC 326 (3) Sports Storytelling—This online course will focus on sports storytelling and the creative theories and practices used by producers, directors and production personnel as executed across all visual media platforms (live event coverage, studio shows, documentaries, and feature stories, and digital programming.) Prerequisite: MC 212. Fee. Online only. (Typically every other Fall-even years)

MC 329 (3) Introduction to Coding & Development for Multimedia—This course will be an overview and exploration of coding in HTML 5, CSS, jQuery, CMS and mobile applications. Fee. (Typically Spring)

MC 330 (3) Media Ministry & the Church—This course will study the rapidly growing world of media ministry. Students will explore how multi-media can enhance worship, and inspire, inform and educate the congregation. Students will learn how to craft powerful narratives by combining scriptural truths with media production. The class will include theoretical study as well as practical application in the form of a final project that they will create for their respective congregations. Online (Typically Summer)

MC 331 (3) Advanced Audio Production—Explores advanced audio production techniques including microphone positioning, multi-track recording and digital audio. Course covers theory and practical hands-on applications in audio, radio and/or television. May be repeated with a different course emphasis. Prerequisite: MC 121 and MC 275. Fee. (Typically Fall)

MC 332 (3) Sundance: A Study of Independent Cinema—Students will study a brief history of the "Indie" movement and learn about the art, culture and commerce of the festival. They will gain an understanding of how independent films are developed, bought, and sold through the Sundance venue. In addition to this, students will study the concept of redemptive cinema and explore how God uses secular film to speak truth to diverse audiences. The festival will serve as a laboratory for students as they attend screenings, discussions, and seminars on a variety of industry-specific topics. (Typically every other Spring-odd years)

MC 338 (3) Producing for Film & TV—This course will explore the essential principles of producing for film and film for television. It will examine key concepts in financing, film monetization, distribution, crew hiring, budgeting, working with guilds, form creation, entertainment management, and various aspects of hands-on producing. Fee. (Typically Fall)

MC 340 (3) Editing Practice & Theory—This course will explore the practicalities and theories of film and video editing. It will provide advanced software editing techniques and the complicated procedures of post-production with an emphasis on importing footage and exporting to various formats. The course will also explore key aesthetic approaches to editing narrative film. Prerequisite: MC 302. Fee. (Typically Spring)

MC 342 (3) Mass Communication Theory—A study of mass communication theory with emphasis on electronic media. Students also learn about ethical theories and their application to decision-making in the media. Fee. (Typically Spring)

MC 344 (3) Sound for Picture—An in-depth study of the techniques used in creating and editing sound when related to motion picture. Topics include sound recording and editing, ADR, Foley, sound mixing, workflows and delivery methods. Prerequisite: MC121. Fee. [was MC 442] (Typically every other Spring-odd years)

MC 352 (3) Multitrack Recording Techniques—A detailed

study focused on the recording process, including microphone technique, signal processing, session planning, organization, and communication. Prerequisite: MC 275. Fee. (Typically Spring)

MC 360 (3) Underwater Cinematography—Examines the world of underwater cinematography and filmmaking, the equipment, underwater skills, lighting techniques, storytelling aspects and camera control necessary to capture quality underwater imagery. A two-week intensive summer class. Prerequisite: MC 302. Fee. (Typically Summer)

MC 370 (3) Animation Design—A hands-on study of 3D computer animation. Basic concepts and techniques of model building, mapping, lighting, and animation. Prerequisite: ART 254 & 452. Fee. (Occasional Offering)

MC 371 (3) Faith, Media & Calling—Overview of the many intersections between media and the gospel, including media uses in the local church and in missions, religious broadcasting history, portrayals of Christ and Christians in film/television, and ways Christians can influence media organizations as "salt and light". Fee. (Typically Spring)

MC 372 (3) Interactive Media II—An advanced study of design, organization and creation of interactive multimedia with a studio team approach. Covers the process of developing media elements, and dynamic content assets, and authoring a stand-alone application for digital distribution building an advanced web site and a portfolio site. Prerequisite: ART 254, MC 225. Includes a lab. Fee. (Typically Spring)

MC 375 (1) Junior Seminar—Designed to prepare communication arts students for entrance into the professional world. Topics include pursuing advanced degrees, developing a resume and portfolio, and developing a strategy for future employment in communication related fields. Fee. (Typically Fall & Spring)

MC 380 (3) Remote Television Production—The study and application of multi-camera remote field television production techniques. Field production areas that will be highlighted include directing, producing, camera and audio. Students will apply classroom-learned theory and techniques to a variety of remote productions. Prerequisite: MC 261. Fee. (Occasional Offering)

MC 391/491 (1-4) Directed Study—An opportunity for research, special projects and readings in the field of media communication. Juniors may take 391, seniors 491; course credit for the major may be received only once. Fee. (Contract course)

MC 393 (1-3) Seminar—The study of various issues in the field of communication, with special emphasis on trends and issues of contemporary communication. Topics will be announced for each semester the course is offered. Credit for this course may be given more than once. Fee. (Occasional Offering)

MC 395 (3) Sitcom Production—Advanced studio class that provides students with practical experience in the techniques employed in the development and production of a multi-camera situation comedy through the production, filming and editing of an original multi-camera sitcom, to be filmed live in front of a studio audience. This junior-senior level class requires being assigned a specific area of responsibility by the professor. Due to the nature of the production, students will be required to put in mandatory hours outside of regularly-scheduled class times. Prerequisite: MC 261 or consent of the professor. Fee. (Typically Fall)

MC 397 (3) Media Industry Travel Seminar—Features visits to film, TV, Internet and radio companies/studios, as well as interviews with media personnel, in a large city. Trips may be inside or outside the United States. The seminar gives students a better understanding of the media industry and the great variety of jobs within it. Fee. (Occasional Offering)

MC 428 (3) Special Events Promotions & Production—Advanced studio class that provides students with opportunities to develop ideas, public relations, marketing plans, event management/production, storytelling, graphic design and print production for an actual event. Students generally focus on one area for professional development for a portfolio-quality project. Juniors and seniors only; requires being assigned to a specific area by the professor. Prerequisites include at least two media communication production courses, two journalism courses or a least two of the courses required for PR. Credit for this course may be given more than once. Fee. (Typically Spring)

MC 435 (1-6) Internship—Broadcast or related industry experience under auspices of cooperating organization, with paper submitted detailing internship experiences. Prerequisites: Junior/senior standing, 12 hours completed within the major, and departmental approval. Fee. (Contract course)

MC 437 (3-6) Los Angeles Internship—A supervised work experience with a previously approved film-related organization. A minimum work experience of 40 hours per credit hour earned, a journal, and a final paper is required. Prerequisites: Junior/senior standing, 12 hours completed within the major, and departmental approval. Students must be a Media, Communication, or Journalism major or minor. Fee. Special off-campus fees apply. (Contract course)

MC 440 (3) Directing the Narrative Film—This course will serve as an introduction to directing for film. We will cover all the things it takes to direct short or feature-length film such as developing a visual language, understanding subtext, learning to direct actors, and executing the theme of your film through directing choices. Each student will be responsible for directing one project that will be submitted to the Highbridge Film Festival. In addition, we will be doing in-class workshops that cover actor coaching, creating shot lists and storyboards, and re-writing. Prerequisite: MC 302. Fee. (Typically Fall)

MC 472 (3) Media Law & Ethics—Develops understanding of the legal system in the United States and the legal issues and litigation most often confronting media institutions: first amendment, libel, privacy, obscenity, access, and shield law. Fee. Alternate years. (Typically every other Spring—odd years)

MUSIC EDUCATION

MED 100 (1) Intro to Music Education—This course is an introduction to the historical, philosophical and practical foundations of the field of music education. Students will gain exposure to methods and structures used in school music programs and be introduced to professional literature and language of the field. (Typically Fall)

MED 241 (2) Brass Methods—Class instruction in the techniques of playing and teaching brass instruments. Various materials and diagnostic measures are studied. (Typically every other Spring)

MED 242 (2) Strings Methods—Class instruction in the techniques of playing and teaching string instruments. Various materials and diagnostic measures are studied. (Typically every other Spring)

MED 243 (2) Percussion Methods—Class instruction in the techniques of playing and teaching percussion instruments. Various materials and diagnostic measures are studied. (Typically every other Fall)

MED 244 (2) Woodwind Methods—Class instruction in the techniques of playing and teaching woodwind instruments. Various materials and diagnostic measures are studied. (Typically every other Fall)

MED 302 (3) Introduction to Elementary Music Teaching—Introduction to music education pedagogy with overview of general methods and materials for teaching music in the elementary grades, including Orff methodology. Includes lab teaching experiences with home-schooled students. (Typically every other Fall)

MED 304 (3) Choral Music Pedagogy—Introduction to working with church and school choral programs for adolescent through adult singers. (Typically every other Spring)

MED 360 (3) Instrumental Music Ed Methods—This course prepares the future instrumental music educator to teach band and/or orchestra in a school music program. Students will develop skills in appropriate teaching techniques and strategies, create a file of appropriate materials and develop a personal philosophy of music education. The course will introduce a systematic recruitment and retention plan for the instrumental program. Students will also develop skills needed to administer a successful instrumental music program. (Typically every other Spring)

MED 364 (2) Marching Band Methods—Designed to prepare the instrumental music education major to organize and administer a marching band program in the secondary schools. The student will learn computer assisted charting techniques for marching drill design, participate in a planned field experience, and develop teaching skills through peer teaching. Students will explore the role of the marching band in the schools through a study of its history and the various philosophical positions related to the marching band. (Typically Fall)

MUSIC HISTORY & LITERATURE

MHL 251 (3) History & Literature of Music I—Early Christian, Medieval, Renaissance, and Baroque Periods (ca. 33-1750). A study of the music of these periods through reading, listening, performance practice seminar, and score analysis. Prerequisite: MTH 111 and 112 or consent of instructor. (Typically Fall)

MHL 252 (3) History & Literature of Music II—A continuation of MHL 251; study of music from ca. 1750 to the present (Classical, Romantic, and Modern). Prerequisite: MTH 111 and 112 or consent of the instructor. (Typically Spring)

MHL 351 (2) Chamber Music—An intensive survey of solo and chamber literature, with particular attention given to the solo song, solo sonata and the string quartet. Students are encouraged to research and study the solo/chamber literature for their particular instrument. (Occasional offering)

MHL 352 (2) Symphonic Literature—An intensive survey of the symphonic repertoire from the late-18th century until the present. Both orchestral and wind repertoires are studied. (Occasional offering)

MHL 353 (2) Choral Masterworks—Intensive survey of choral masterworks from the Renaissance to the present, with particular emphasis on the works of J. S. Bach, W. A. Mozart, and Johannes Brahms. (Occasional offering)

MHL 354 (2) Music since 1900—In-depth study of the music of the 20th and early 21st centuries with particular emphasis on the music of the post-World War II era, 1945 to present. (Occasional offering)

MHL 355 (2) World Music Survey—Intensive survey of a number of musical soundscapes of non-Western origin, and the cultural contexts out of which they arise, with particular emphasis given to the discipline of ethnomusicology and its attendant approaches to the study of individual soundscapes. May not also hold credit for MHL 281. (Typically Fall)

MHL 356 (2) Opera & Musical Theater—A concentrated study of representative operas and musicals from the late 18th century to the contemporary Broadway stage. (Occasional offering)

MHL 391 (3) Independent Study—An introduction to the discipline of historical musicology and the techniques related to historical research in music. During this independent study the student will complete a major research and data-gathering project that will provide the basis for the student's Senior Project, MHL 475. Prerequisite: Completion of MHL 251, 252, and at least one of the MHL 351-356 sequence of genre courses. (Contract course)

MHL 393 (1-3) Seminar—Study of various issues in the field of music history and literature. (Occasional offering)

MHL 475 (2) Senior Seminar—Independent study during which the student will complete a major written report on a topic researched during MHL 391. Results of the paper will be shared in the student's Senior Lecture Recital, RCT 481. Prerequisite: MHL 391. (Occasional offering)

MINISTRY MANAGEMENT

[Salvation Army Program Only]

MIM 101(1) Ministry Management Program Orientation—The purpose of the course is to help facilitate the students' learning of new technologies, systems, and strategies for success to enable them to successfully begin and complete the Ministry Management program. The course is designed to help the student: evaluate technology proficiency; gain an understanding of Asbury University's online learning platform; demonstrate proper writing composition; learn strategies for effective personal and time management. Students enrolled in the Ministry Management program must successfully complete this course by November of the first semester of study. Credit/No Credit.

MIM 290 (1) SA Summer Readings I—Students in the Ministry Management program will be assigned readings appropriate to the purpose and curriculum of the program, to be completed during the summer months. Credit/No Credit.

MIM 390 (1) SA Summer Readings II—Students in the Ministry Management program will be assigned readings appropriate to the purpose and curriculum of the program, to be completed during the summer months. Credit/No Credit.

MIM 480 (3) Capstone Project Orientation—An introduction to the capstone project and research methodology, with a focus on assisting students to explore and identify an appropriate project within their ministry context.

MIM 485 (3) Capstone Project Research I—Develop the capstone project to integrate experience and knowledge by focusing on a major research paper or project.

MIM 490 (1) SA Summer Readings III—Students in the Ministry Management program will be assigned readings appropriate to the purpose and curriculum of the program, to be completed during the summer months. Credit/No Credit.

MIM 495 (3-6) Capstone Project Research II—Develop the capstone project to integrate experience and knowledge by focusing on a major research paper or project. This introductory-level qualitative and quantitative inquiry course will utilize a practical, hands-on approach for conducting research. This course will include the appropriate use of technology in the design, implementation, analysis and presentation phases. Students will explore a variety of qualitative and quantitative research methods and experiment with data analysis tools and strategies when reflecting on the research. Course will satisfy APS Foundations Technology Requirement.

MIM 499 (3-6) Capstone Project—The capstone project provides opportunity for students to integrate experience and knowledge by focusing on a major research paper or project. Students conduct a literature review, identify an appropriate methodology, conduct the research, and report findings/conclusions through both seminar and written formats.

MARKETING

MKT / MKA 241 (3) Principles of Marketing—Through the development of new products, the pricing and promotion of those products, and the distribution of those products, marketing provides value to customers and value to the business (or non-profit) organization. This course explores each component of this “marketing mix” and establishes a foundation for using these marketing elements in practice and for future more detailed learning. Students will learn how businesses interact with their customers in the marketplace through reading, case studies, guest lectures, and projects. (Typically Fall & Spring)

MKT / MKA 342 (3) Consumer Behavior & Decision-making—Understanding consumers’ needs, wants and the process by which they are satisfied is crucial to a successful marketing program. This course explores consumer behavior such as buying patterns, motivation and search behavior from multiple perspectives including social, cultural, psychological and economic perspectives particularly as they apply to consumer decisions and post-purchase emotions. The objective is for students to synthesize these perspectives in order to understand the implications for marketing an organization’s goods and services. Prerequisite: MKT/MKA 241. (Typically Fall)

MKT / MKA 343 (3) Fundamentals of Professional Selling—Everyone sells—whether it’s a product, service, idea, or themselves. Without a sale there is no business. This course equips the student with the fundamental principles and concepts of personal selling and sales management. Personal selling skills prepare students to rapidly enter the marketplace and contribute to their company’s success. The strategic selling process is also studied, along with business-to-business and business-to-consumer sales models will be examined in this course. This class will utilize case studies, role playing, guest lectures, and other reading materials. (Typically Fall)

MKT / MKA 344 (3) Sales Management—This course focuses on the development and management of sales force strategy, both at the field management and executive levels. Topics include sales force design, optimal use of sales force technology, recruiting, training, compensation, evaluation and sales force motivation. Learning is reinforced through role-play

activities and interaction with professionals in the field. Prerequisite: MKT/MKA 241. (Typically every other Spring)

MKT / MKA 345 (3) Advanced Professional Selling—Focused on large account business-to-business (B2B) sales, this course builds upon skills learned in Professional Selling (MKT/MKA 343) and introduces higher level techniques used in more complex sales situations. Topics include selling at the C-level, negotiations, large account management, and team selling. Role plays with both classmates and guest “customers” will reinforce learning, as will interaction with professionals in the field engaged in large account sales. Prerequisite: MKT/MKA 343. (Occasional offering)

MKT / MKA 393 (1-3) Seminar—Designated special-interest classes, seminars, or field experiences supervised by faculty, with the appropriate course requirements. Credit may be given more than once. (Typically Fall & Spring)

MKT / MKA 435 (3) Internship—Students are placed with cooperating firms for on-the-job training in business and accounting. Written reports to be submitted by the firm and by the student to the professor. This is an option for the student and will be tailored to fit the student’s needs as far as possible. Consent of the instructor must be secured. (Contract course)

MKT / MKA 441 (3) Marketing Research—Students in this course are introduced to the tools and methodologies used in the field of consumer and business marketing research. Attention is given to problem definition, research design, gathering information, and data analysis to assist management in the marketing decision-making process. Prerequisites: MKT/MKA 241 and one of BU/BUA 261, ECA/ECN 325, or PSY 315. (Typically Spring)

MKT / MKA 442 (3) Innovation & Product Management—This course is designed to work through the process of innovation and product development. The product life cycle is explored within the context of disruptive innovation. Students will be exposed to the techniques for idea generation, turning these ideas into products and services that meet specific consumer needs, testing their marketing feasibility, and launching the product. This course will emphasize the use of teams for collaboration and hands-on projects. Prerequisite: MKT/MKA 241. (Typically every other Fall)

MKT / MKA 443 (3) International Marketing—The globalization of markets enables companies to increasingly conduct their business across national borders. The international dimensions of marketing require management to understand and incorporate the difference of culture, politics, geography, and legal issues as they consider selling their products abroad. This course will introduce the student to the principles and concepts of international marketing through readings, case studies, and research projects. Prerequisite: MKT/MKA 241. (Typically Spring)

MKT / MKA 461 (3) Brand Management—Product and brand management is the study of a broad range of activities centered around a line of products offered by an enterprise. This course exposes a student to the contemporary challenges of managing a product portfolio. The student will learn how to formulate strategies for building, leveraging, and defending brand positions. Using case studies and other tools the student will acquire the knowledge needed to become a successful product manager. Prerequisites: MKT/MKA 241. (Typically every other Spring)

MKT / MKA 473 (3) Principles of Advertising/Promotions Management—This course focuses on the study of the principles of advertising and other promotional tools used in

business. Topics include the development of advertising campaigns, positioning, creative/media strategies and evaluation. Key factors related to the structure of advertising industry and economic, social and regulatory contexts will also be considered. Prerequisite: MKT/MKA 241. (Occasional offering)

MUSIC THEORY

MTH 100 (3) Fundamentals of Music—Designed to increase proficiency in music fundamentals such as rhythm, scales, intervals, triads, sight singing, and aural training. Suggested for non-majors or music majors or minors with Theory Placement Exam scores of less than 70%. A mastery of these basic fundamentals is essential for any further work in the music major or minor. Does not count toward graduation hours for a music major or minor. (Typically Spring)

MTH 111 (2) Musicianship: Written Theory I—Basic theory sequence begins with a study of rhythm, scales, intervals, triads, and cadences, followed by principles of harmony, embellishing tones, and 18th-century part-writing techniques. Original compositions in a simple, four-voice texture are written. Prerequisite: Theory Placement Exam. (Typically Fall)

MTH 112 (2) Musicianship: Written Theory II—This course is a continuation of Basic Musicianship I, and introduces melodic form, large-scale melodic relationships, and simple two and three-part forms. Further exploration of harmony centers on diatonic seventh chords and chords of secondary function and includes elementary modulation. Original compositions in two or three-part forms are written. Prerequisite: MTH 111. (Typically Spring)

MTH 121 (1.5) Musicianship: Sight Singing / Aural Training I—Sight singing / aural training sequence begins with a study of rhythm, scales, modes, intervals, triads and corrective listening as well as large-scale analytical listening. Emphasis is on experiential tasks and the skill of aural imaging; in addition to class meeting, students attend a weekly sight-singing lesson and complete a recorded transcription assignment. Class meets twice weekly and is taken concurrently with MTH 111. Prerequisite: Theory Placement Exam. (Typically Fall)

MTH 122 (1.5) Musicianship: Sight Singing / Aural Training II—Sight singing / aural training sequence continues the study of rhythm, scales, modes, intervals, triads, and corrective listening as well as large-scale analytical listening. Aural training expands to include seventh chords. Emphasis is on experiential tasks and the skill of aural imaging; in addition to class meetings, students attend a weekly sight singing lesson and complete a recorded transcription assignment. Class meets twice weekly and is taken concurrently with MTH 112. Prerequisite: MTH 121. (Typically Spring)

MTH 201 (1-3) Intro Composition & Arranging/Non-majors—Private instruction in the basic principles of composition and arranging in preparation for further study. Non-music majors. Prerequisite: B+ average in MTH 111 / 112, and approval of the Coordinator of Music Theory. (Typically Fall & Spring)

MTH 210 (1-3) Intro Composition & Arranging—Private instruction in the basic principles of composition and arranging in preparation for further study. Music majors. Prerequisite: B+ average in MTH 111, 112, 231, and approval of the Coordinator of Music Theory. (Typically Fall & Spring)

MTH 231 (4) Advanced Musicianship I—An integration of the aspects of written theory, sight singing, and aural training.

This course explores 18th-century contrapuntal forms, followed by Classical forms such as sonata-allegro and rondo. Harmonic vocabulary expands to include altered pre-dominants, followed by early 19th-century harmonic developments. Sight singing curriculum includes melodies with modulations/altered tones, as well as rhythms with varying meters, syncopations, and unusual subdivisions. Emphasis on developing a facility with bass lines and harmonic progressions, including chords of secondary function as well as altered pre-dominants. Corrective listening, as well as large-scale analytical listening, further heightens aural abilities. Prerequisite: MTH 111, 112, 121, 122. (Typically Fall)

MTH 232 (4) Advanced Musicianship II—An integration of the aspects of written theory, sight singing, and aural training. This course is a continuation of Advanced Musicianship I and introduces linear chromaticism in 19th-century piano forms as well as late 19th-century harmonic developments, including higher-order tertian sonorities. Examines 20th-century harmony, rhythm, and compositional techniques, and includes early 20th-century tonal music, set theory, serial procedures, and recent musical developments. Training in sight singing and aural training expands to include 20th-century concepts in rhythm, melody, and harmony. Emphasis on developing a facility with bass lines and harmonic progressions, including chords of secondary function, as well as altered pre-dominants. Corrective listening, as well as large-scale analytical listening further heightens aural abilities. Prerequisite: MTH 231. (Typically Spring)

MTH 311 (2) Form & Analysis—Students explore the basic principles of form in music by means of thorough analyses of representative pieces from Baroque, Classical, Romantic, and Modern eras. Students develop analytical skills, both visual and aural, so that they might begin to interpret and perform music intelligently. Prerequisite: MTH 232. (Typically Fall)

MTH 322 (2) Counterpoint—An advanced exploration of the contrapuntal forms and techniques of the 18th century by means of in-depth analysis of representative pieces; includes polyphonic composition in two, three, and four-part counterpoint. (Occasional offering)

MTH 331 (1) Orchestration—A study of the characteristics of band and orchestral instruments, with assignments in scoring for various instrumental combinations, full band/orchestral score and smaller ensembles. Prerequisite: MTH 232. (Students in the composition/arranging emphasis must take MTH 332 in place of MTH 331). (Typically Fall)

MTH 332 (2) Advanced Orchestration—An advanced study of the characteristics of band and orchestral instruments, with assignments in scoring for various instrumental combinations, full band/orchestra score and smaller ensembles. Prerequisite: B+ average in MTH 231 and 232. (Occasional offering)

MTH 411 (1-3) Advanced Composition/Arranging Lessons—Private instruction in the area of original composition and arranging, leading to the development of a repertoire suitable for presentation at a Senior Recital (RCT 482). Prerequisite: MTH 210, and approval of the Coordinator of Music Theory. May be repeated to a maximum of 7-8 hours. (Typically Fall & Spring)

MUSIC THERAPY

MTP 200 (2) Introduction to Music Therapy—An introduction to basic concepts and practices in the field of music therapy. (Typically every other Fall)

MTP 201 (1) Music Therapy Practicum—Provides students with opportunities to observe the practice of music therapy in clinical settings. (Typically every other Fall)

MUSIC

MUS 100 (3) Understanding Music—Designed for the liberal arts student as an introduction to the art of music, in which refined listening skills, knowledge of the basic parameters of music, and informed aesthetic judgment lead to perceptive understanding of a wide range of historical, cultural and contemporary musical styles. (Typically Fall & Spring)

MUS 110 (1) Music Reading for Singers—Basic sight-singing for non-majors (how to sound-out and sing the melodies and rhythms of various vocal parts without using an instrument). (Occasional offering)

MUS 150 (1) Music Technology I—An introduction to the use of software and technology commonly utilized by music majors and minors. Students learn fundamental skills in use of music notation software as well as basic recording and sound reinforcement technology. Required of all music majors (unless proficiency is demonstrated in covered technologies), but open to all students. Prerequisite: Basic music notation reading skills. (Typically Fall)

MUS 200 (3) Piano Technology—Open to all students, preference is given to music majors and minors. This course not only teaches piano tuning, servicing, and repair but also the history and the development of the piano, the making of a Steinway grand piano and the servicing of electric pianos and harpsichords. Some attention is given to the theory and acoustics of stringed instruments. Fee. (Occasional offering)

MUS 391 (1-3) Independent Study—Available to students at the junior level or higher. Requires the completion of a contract, signed by the student, instructor, and department chair. (Contract course)

MUS 393 (1-3) Seminar—Study of various issues in the field of music. (Occasional offering)

NEW TESTAMENT

NT 100 (3) Understanding the New Testament—An introduction to the New Testament that attempts to help students enter into the "three worlds" of the biblical text: the world behind the text, seen in its historical, cultural, and geographical contexts; the world in the text, including its literary forms, story of Jesus and the early church, and major theological themes; and the world in front of the text, involving an exposure to critical methods and issues important to New Testament interpretation and application. (Typically Fall & Spring)

NT 210 (3) The Growth of the New Testament Church—A study of the emergence of Christianity in relation to the historical, religious, and philosophical milieu of the first century. Attention is given to the birth and development of the apostolic church and the variety of ways in which it witnessed to the revelation of God in Christ. Prerequisite: NT 100. (Typically every other Spring)

NT 300 (3) Synoptic Gospels—A study of the basic teachings of Jesus in the Synoptic Gospels and the Synoptic Problem in light of critical studies. Prerequisite: NT 100. (Typically every other Fall)

NT 320 (3) Prison Epistles—A study of the letters of Paul written in captivity. Ephesians, Philippians, Colossians and Philemon will be examined with special attention given to

Pauline Christology. Prerequisite: NT 100. (Typically every other Spring)

NT 330 (3) Hebrews & General Epistles—Detailed exposition of Hebrews, James, I & II Peter and Jude. Each letter is interpreted in its historical, cultural and literary context. Prerequisite: NT 100. (Typically every other Fall)

NT 340 (3) The New Testament & the End Times—A study of New Testament passages that deal with the end times, especially the Revelation. Various theological interpretations of the data are presented for analysis and discussion. Prerequisites: OT 100 and NT 100. (Typically every other Spring)

NT 350 (3) Writings of John—A study of the Gospel of John and the three Epistles of John. Distinctive literary and theological features of the Johannine literature will be considered. Prerequisite: NT 100. (Typically every other Fall)

NT 391 (1-3) Independent Study—A directed and supervised investigation of a selected research problem or issue in biblical studies, including the preparation of a scholarly paper. A student may not take more than four (4) hours of independent study. Prerequisites: NT 100, 3.0 GPA and approval of instructor. (Contract course)

NT 393 (1-3) Seminar—Selected topics in New Testament. (Occasional offering)

NT 400 (3) Galatians and Romans—An analysis of Paul's letters to Galatia and Rome, with special emphasis on the theological content of Pauline soteriology. Prerequisite: NT 100 and one NT course at 300 level. (Typically every other Fall)

OFF CAMPUS PROGRAMS

OFB ___ (0-16)—Denotes registration in a study abroad/off campus semester or indicates registration in a faculty led off campus travel course. See Global Engagement Office for more details. Fee.

ORGAN

ORG 201 (1-2) Private Lessons for Non-Majors—For all non-majors studying private organ. Students registering for 1 credit hour receive a one-half-hour lesson weekly. Students registering for 2 credit hours receive a one-hour lesson weekly. Fee. (Typically Fall & Spring)

ORG 211 (1-2) Private Lessons for Underclassmen Music Majors & all Music Minors—Underclassmen music majors and music minors enroll for 4 semesters of private instruction at the 211 level. Students registering for 1 credit hour receive a one-half-hour lesson weekly. Students registering for 2 credit hours receive a one-hour lesson weekly. Students selecting a performance emphasis are required to register for 2 credit hours per term Prerequisite: Acceptance into the music major or music minor by audition as described in the Music Student Handbook. Fee. (Typically Fall & Spring)

ORG 411 (1-2) Advanced Private Lessons for Upperclassmen Music Majors—Upperclassmen music majors in the B.A. degree program must complete 4 semesters of instruction at the 411 level. Those electing the Performance Emphasis are required to enroll for 2 credit hours per term. Students whose emphasis is Composition or Music History are only required two semesters of private lessons at the 411 level—with a demonstration of major instrument proficiency as outlined in the recital guidelines published by the Music Department (available at this website:

www.asbury.edu/academics/departments/music/music-home/current-student-forms). Upperclassmen music education majors in the B.S. degree program must complete at least 3 semesters of instruction at the 411 level. Prerequisite: Upperclassman Proficiency Exam passed, as described in the Music Student Handbook. Fee. (Typically Fall & Spring)
ORG 461, 462 (1 each) Organ Pedagogy & Literature—Introducing point of view, techniques, and some approaches used in teaching of organ literature and materials. Problems of pedagogy, analysis, and performance, as well as important segments of organ repertoire will be studied, extending from the Baroque period through contemporary literature (Occasional offering)

OLD TESTAMENT

OT 100 (3) Understanding the Old Testament—This course is a biblical and theological study of the Old Testament, tracing its sweeping story from creation to the eve of the birth of Christ. The course emphasizes the Old Testament's major characters, its history and culture, types of literature, and the themes that unify its message. It strives to bridge the gap between Christian belief and practice while seeking to demonstrate how the Old Testament provides an indispensable foundation for understanding the New Testament and the Christian Church. (Typically Fall & Spring)
OT 200 (3) Pentateuch—An analysis of the general content and spiritual teachings of each of the first five Old Testament books, with special attention to historical and theological features. Prerequisite: OT 100. (Typically every other Fall)
OT 210 (3) History of Israel—A study of ancient Israel from the conquest of Canaan to the post-exilic community. The Old Testament historical sources are examined against the background of ancient Near Eastern literature, geography, and archaeology. The course focuses on Israel's historical development within its political, social, and religious context. Prerequisite: OT 100. (Typically Spring)
OT 320 (3) Eighth Century Prophets—The prophecies of Amos, Hosea, Isaiah, and Micah examined in their historical, literary, and theological context, utilizing a variety of exegetical approaches. Prerequisite: OT 100. (Typically every other Fall)
OT 330 (3) Wisdom Literature—A study of wisdom in the Old Testament with an emphasis on Job, Proverbs and Ecclesiastes. Some attention will be given to wisdom in its broader ancient Near Eastern context. Prerequisite: OT 100. (Typically Fall)
OT 350 (3) Psalms—Exegetical studies of selected Psalms, focusing upon the meaning and use of the Psalms in their Old Testament setting as well as their continued use in the Church. Prerequisite: OT 100. (Typically every other Spring)
OT 391 (1-3) Independent Study—A directed and supervised investigation of a selected research problem or issue in biblical studies, including the preparation of a scholarly paper. A student may not take more than four (4) hours of independent study. Prerequisites: OT 100, 3.0 GPA and approval of instructor. (Contract course)
OT 393 (1-3) Seminar—Selected topics in Old Testament. (Occasional offering)

PHYSICAL ACTIVITY

PE 106 (1) Personal Fitness—The development of a personal exercise program for the purpose of meeting individual fitness needs. Seniors only, with permission of the department chair. Prerequisite: PED 100. (Contract course)

PE 107 (1) Weight Control—A study of the principles and values of obtaining and maintaining optimum weight with specific emphasis upon good nutrition (within the framework of the University cafeteria) and upon an exercise program geared to the individual's need. Open only to those with a weight problem. Prerequisite: PED 100. (Contract course)

PE 108 (1) Varsity Athletics—One hour physical education credit may be awarded for completion of team season as verified by the coach at conclusion of the designated term.
Women's sports: [Fall] cross-country, soccer, volleyball; [Spring] basketball, golf, lacrosse, softball, swimming, tennis, track & field.

Men's sports: [Fall] cross-country, soccer; [Spring] baseball, basketball, golf, swimming, tennis, track & field.
Limit of two credits from varsity athletics and no more than 4 total credits from all PE sources. PED 100 may be completed concurrent with team season.

PE 110 (1) Cheerleading—One hour physical education credit may be awarded for completion of a season as verified by the coach at conclusion of the term. By permission of instructor and tryouts. Limit of three credits, and no more than 4 total credits from all PE sources. PED 100 may be completed concurrent with team season.

PE 111 (1) Physical Activity—consists of two of the following half semester physical activity topics in varying combinations. Pre-requisite for all classes: PED 100. See course official schedule for specific combined options each semester. PE 111 may include:

Beginning Archery—Basic fundamentals of shooting safety, etiquette, care of equipment with practice in shooting. Fee. (Typically Fall)

Beginning Badminton—For students interested in learning the basic fundamentals of badminton. Included are basic strokes, strategy, rules, and etiquette. (Typically Spring)

Beginning Basketball—A beginning skill level course designed to develop ability in basketball fundamentals. Drills are used often to facilitate learning. (Typically Fall)

Intermediate Basketball—A course designed to review the basic fundamental skills of basketball and to include new skills. Attention will also be given to offensive and defensive formations in game situations. Prerequisite: Beginning Basketball. (Occasionally Offered)

Beginning Disc Golf—An introduction to skills, rules, strategies, and etiquette of the game. Fee. (Occasionally Offered)

Beginning Golf—An introductory course designed to develop proper pre-swing and in-swing fundamentals, putting, golf etiquette, and rules of play. Fee. (Typically Fall)

Beginning Gymnastics—An introductory gymnastics course in which the student will learn about equipment, safety devices and spotting techniques as well as various gymnastics movements such as rolls, cartwheels and partner stunts. (Occasionally Offered)

Paddle Tennis—The basic fundamentals of the game are studied and practiced; grips, strokes, service, court position, footwork, etc. (Typically Fall)

Beginning Racquetball—The fundamentals of the game are studied and practiced: grips, strokes, service, court position, footwork, etc. (Occasionally Offered)

Beginning Soccer—A beginning skill level course designed to develop ability in soccer fundamentals. Drills are used to facilitate learning. (Typically Spring)

Beginning Softball—A beginning skill level course designed to develop the basic fundamentals of softball. Included are individual and team skills. (Occasionally Offered)

Beginning Tennis—The basic fundamentals of the game are studied and practiced: grips, strokes, service, court position, footwork, etc. (Typically Spring)

Intermediate Tennis—Designed to perfect the basic strokes and add new ones, such as the lob, overhead, etc. Time will be spent in doubles play and in working on form and strategy. Prerequisite: Beginning Tennis. (Occasionally Offered)

Beginning Volleyball—A beginning skill level course designed to develop fundamental volleyball skills as well as a knowledge of the rules and basic formations. Skills included are serve, forearm pass, above-the-face pass, spike and block. (Occasionally Offered)

Intermediate Volleyball—A course designed to review the basic fundamental skills of volleyball and to include new skills such as dig, dink, and sprawl. Attention will also be given to offensive and defensive formations for team play. Prerequisite: Beginning Volleyball. (Occasionally Offered)

PE 120 (1) Beginning/Intermediate Weight Training—Full semester course. PE 120 may include:

Beginning Weight Training—Course offers the student the theory, technique and basic philosophy involved in weight training for strength and endurance. The student will develop a personalized weight training program. Prerequisite: PED 100. (Typically Fall & Spring)

Intermediate Weight Training—Course offers the student the theory, technique and basic philosophy involved in weight training for strength and endurance. The student will develop or continue a personalized weight training program. Prerequisite: Beginning Weight Training. (Typically Fall & Spring)

PE 121 (1) Aerobics—A conditioning class for the purpose of developing cardiovascular fitness. The program consists of different endurance exercises such as jogging, circuit training, aerobic dance (running games), etc. Full semester course. (Required for Exercise Science Majors). Prerequisite: PED 100. (Occasionally Offered)

PE 122 (1) Fitness Walking—Seeks to improve one's fitness level by walking often enough (frequency), hard enough (intensity), and long enough (duration) to achieve fitness gains. Includes health-related (cardiopulmonary, muscular strength and endurance, flexibility and body composition) pre-tests and post-tests of physical fitness. Prerequisite: PED 100. (Typically Fall & Spring)

PE 125 (1) Swimming Courses—Full semester or combined half semesters of the following. Prerequisite: PED 100. PE 125 may include:

Beginning Swimming—Instruction in water adjustment, buoyancy, balance, relaxation, propulsive movement and coordinated stroking. Attention to personal safety and general information on hydrodynamics. (Typically Fall)

Intermediate Swimming—Introduces four major strokes: freestyle, backstroke, breaststroke and butterfly. Further discussion of hydrodynamics and stroke mechanics. Starts and turns are introduced, along with discussion of swimming for a lifetime of fitness. (Typically Fall)

Advanced Swimming—The purpose of this class is to produce outstanding all-around swimmers. The student will be prepared to pursue competitive swimming, if so desired. (Typically Fall)

PE 130 (1) Horseback Riding I—Provide the basic principles of horseback riding as well as instruction in the care of the equipment and the animal. Pre/Corequisite: PED 100 & EQ 100 or instructor permission. Fee. (Typically Fall)

PE 131 (1) Horseback Riding II—This is a Physical Education Activity course designed to build upon skills and principles from PE130 as well as further instruction in the care of the horse, equipment, and facility. Pre/Corequisite: PED 100 & EQ 100 or instructor permission. Fee. (Typically Fall & Spring)

PE 138 (1) Advanced Gymnastics—One-hour physical education credit for participation in one full season on the Asbury University Tumbling Team. Limit of three credits, and no more than 4 total credits from all PE sources. PED 100 may be completed concurrent with team season. (Occasionally Offered)

PE 230 (1) Horseback Riding III—This is a Physical Education Activity course designed to expand experiences gained in PE 131 as well as refine skills in effective use of the aids and further instruction to understand the basic training scale. Prerequisite: PE 131 & EQ 100. Fee. (Typically Spring)

PE 280 (1) Lifeguard Training—Instruction given in accordance with the American Red Cross. Students who complete requirements successfully will be certified as lifeguards with certification in CPR, First Aid, Head Lifeguarding, Waterfront Guard, as well as general lifeguarding. Prerequisite: PED 100. Fee. (Typically Spring)

PE 300 (1) Water Safety Instructor/Fundamentals of Instructor Training—This class is designed to instruct Level 5 and above swimmers on how to teach swimming lessons and run a successful swimming lesson program. Upon completion of the course you will have American Red Cross Certification for both Water Safety Instruction and for Fundamentals of Instructor Training. Prerequisite: PED 100. Fee. (Occasionally Offered)

PHYSICAL EDUCATION

PED 100 (1) Theory of Wellness—An introduction to the development and maintenance of a healthy lifestyle for the purpose of achieving the highest potential for well-being in all dimensions of wellness. Emphasis is placed on health-related fitness and the course includes individual fitness prescriptions. A variety of fitness assessments are administered. Required for all students. (Typically Fall & Spring)

PED 200 (3) Introduction to Coaching—A lecture/discussion course designed to introduce students to the profession of coaching. The course is applicable to any student interested in coaching in the school and/or non-school setting. The course will examine the principles of coaching as they relate to areas such as the roles and responsibilities of the coach, the types of coaches, the organization of a sport team, sport organizations, motivation, competition, leadership, sportsmanship, team dynamics and available resources for use in coaching. Requires a field component. Pre-requisite to PED 205 and 206. (Typically Fall & Spring)

PED 205 (1-2) Coaching Practicum I—Practical experience in a specific sport under the supervision of a sport specific coach. Identifies skills, techniques in game situations, strategies, scouting, conditioning, practice planning. Requires a field component. Prerequisite: PED 200. (Contract course)

PED 206 (2) Coaching Practicum II—Same as PED 205 but must be in a sport different from that in PED 205. Prerequisite: PED 200. (Contract course)

PED 210 (3) Introduction to Health & Physical Education—Study of the philosophical, historical, and contemporary issues of health/physical education, exercise science, and sport management. Includes study of organizations, careers, and a field component. (Typically Fall)

PED 228 (1) Practicum—Forty (40) hours of practical experience and observation in selected professional settings. (Contract course)

PED 261 (3) Psychology/Sociology of Physical Education/Sport—A survey of the psychological and sociological concepts which are relevant to physical education and sport. Topics include personality, motivation, competition, group and team dynamics, leadership, sportsmanship, sport in society, history, and current issues. (Typically Fall)

PED 275 (3) Principles of Administration in Exercise-Related Professions—A study of basic management components used in the administration of programs in the exercise-related professions. The course combines theory and concepts with concentration on practical strategies for skill development in administration and leadership for professionals in physical education, athletics, athletic trainers, fitness specialists, and intramural and recreational sport administrators. (Typically Spring)

PED 300 (2) Sports Officiating—Theory and practice of sports officiating. Emphasis is given to philosophy of officiating, responsibilities and qualities of officials; the study and interpretation of rules. Requires earning KHSAA (or equivalent) officials rating. (Occasionally Offered)

PED 301 (2) Coaching Individual & Dual Sports—Study of the current trends and various aspects of coaching individual and dual sports such as tennis, cross country and swimming. Methods of training/conditioning, rules, practice organization, scheduling, event management, and skill/strategy components. (Occasionally Offered)

PED 302 (2) Coaching Baseball/Softball—Theory and practice in coaching baseball and softball with emphasis on strategy. Includes philosophy, skill techniques, conditioning/training, practice, organization, contest management and scheduling. (Occasionally Offered)

PED 303 (2) Coaching Basketball—Various aspects of coaching basketball. Includes philosophy, skill/strategy techniques, conditioning/training, practice organization, contest management, and scheduling. (Occasionally Offered)

PED 304 (2) Coaching Soccer—Theory and practice of coaching soccer. Includes strategy, philosophy, skill techniques, conditioning/training, rules, practice organization, contest management, and scheduling. (Occasionally Offered)

PED 305 (2) Coaching Volleyball—Various aspects of coaching volleyball. Includes philosophy, skill/strategy techniques, conditioning/training, practice organization, contest management, and scheduling. (Occasionally Offered)

PED 321 (1) Adaptive Physical Education—Examines various special needs and the application of pedagogical techniques. This course addresses topics applicable to a variety of professional settings including, but not necessarily limited to, gymnasiums and fitness and rehabilitation facilities. Requires a field component. (Typically Spring)

PED 360 (3) Sport Skills I—A lecture/activity-based course designed to allow students the opportunity to acquire the knowledge, skill and technique to instruct the fundamental skills in activities such as badminton, bowling, golf, soccer,

tennis and volleyball. Requires a field component. Fee. (Typically Fall)

PED 361 (3) Sport Skills II—A lecture/activity-based course designed to allow students the opportunity to acquire the knowledge, skill and technique to instruct the fundamental skills in activities such as aerobics, archery, basketball, gymnastics, orienteering, rhythm, softball, track and field, and weight training. Requires a field component. Fee. (Typically Spring)

PED 391 (1-3) Independent Study—A directed and supervised investigation of a selected problem/topic in the area of PED, mutually agreed upon by the student and professor. Available to senior PED majors. A student may take up to six (6) hours of independent studies. (Contract course)

PED 393 (1-3) Seminar—The study of various issues/topics various departmental majors. Topics will be determined and announced for each semester a seminar course is offered. (Occasionally Offered)

PED 461 (3) Statistics and Evaluation in Physical Education & Exercise Science—Emphasis is placed on statistical techniques for the purpose of evaluating health-related and skill-related components of physical fitness. The course also examines the construction, selection, administration and assessment of testing instruments in physical education and exercise science. Requires a field component. (Occasional Offering - Spring)

PHILOSOPHY

PHL 200 or PHL 231 serves as Pre-requisite to all other PHL courses.

PHL 200 (3) Introduction to Philosophy—Introduction to the nature, methods, and purposes of philosophical inquiry. Investigates major topics such as reality, knowledge, and ethics. Surveys and evaluates important world views in an attempt to formulate a Christian world view. (Typically Fall & Spring)

PHL 211 (3) Ancient & Medieval Philosophy—Surveys the development of philosophical thought from the ancient Greeks to the late medieval period. Emphasis is placed on the philosophy of Plato, Aristotle, Augustine, and Aquinas. (Typically every other Spring)

PHL 212 (3) Modern Philosophy—Surveys the development of philosophical thought during the seventeenth and eighteenth centuries. Primarily studies Hobbes, Descartes, Spinoza, Leibniz, Locke, Hume, Reid, and Kant. (Typically every other Spring)

PHL 221 (3) Logic—Analyzes the methods of correct reasoning; covers propositional logic, term logic, and modern quantification theory. Employs symbolic notation while remaining sensitive to ordinary discourse. Some attention to informal fallacies. (Typically every other Fall)

PHL 231 (3) Ethics—Studies the major thinkers and positions in the field of ethics with attention to their relation to Christian thinking related to moral life. Among the views studied are forms of utilitarianism, Kantianism, hedonism, and virtue theory. (Typically Fall & Spring)

PHL 251 (3) Philosophy of C. S. Lewis—A study of the philosophical works of Lewis dealing with arguments for the existence of God based on human rationality, the problem of suffering, objective truth, and moral law. Addresses philosophical themes in the Narnia Chronicles and Lewis' thought in relation to popular culture. Includes viewing and discussion of pertinent videos. (Occasional Offering)

PHL 293 (3) Seminar—Selects a significant issue, problem, theme, or thinker for intensive study. (Occasional Offering)

PHL 312 (3) Epistemology (Theory of Knowledge)—Investigates the nature of human knowledge and belief.

Addresses issues related to the sources, justification, and types of knowledge. Major epistemological theories are compared and contrasted. (Typically every other Fall)

PHL 322 (3) Metaphysics (Theory of Reality)—Employs a combination of classical and contemporary sources to discuss issues related to the nature and structure of reality. Each offering of this course selects from a range of issues to cover: substance, matter and mind, free will and determinism, space and time, the relation of logic and ontology, and the like.

(Typically every other Fall)

PHL 343 (3) Political & Social Philosophy—Surveys the nature and development of political and social theories with special interest in those factors which give cohesion to human community. Ideas pertaining to humanity, justice, law, and the social good are addressed. (Typically every other Fall)

PHL 361 (3) Philosophy of Religion—Surveys the classic topics in the field, such as the theistic arguments, the problem of evil, miracles, religious language, and the divine attributes. Also considers alternative approaches to the subject, such as fideism, natural theology, and Reformed epistemology.

(Typically every other Spring)

PHL 372 (3) Philosophy of Science—Explores the presuppositions, methods, and role of science as a knowledge-seeking enterprise. Reviews major philosophies of science, such as positivism, Kuhnianism, and realism.

(Occasional Offering)

PHL 391 (1-3) Independent Study—Offered by consent of a supervising instructor. A topic is established by negotiation with instructor. A student may not take more than 3 hours per semester. (Contract course)

PHL 393 (1-3) Seminar—Selects a significant issue, theme, problem, or thinker for intensive and rigorous study. Conducted in seminar style; a major paper is required.

Prerequisite: 9 hours in PHL including PHL 200. (Occasional offering)

PHL 411 (3) Philosophical Theology—Applies the methods of philosophical elucidation to major Christian doctrines, such as Creation, Revelation, Incarnation, Atonement, and the like. Seeks to clarify understanding of and trace the implications of the central concepts of these doctrines. (Typically every other Spring)

PHL 412 (3) Contemporary Philosophy—Concentrates on the analytic movement in philosophy, which shaped the tone of professional Anglo-American philosophy. The course surveys the work of such thinkers as Moore, Russell, Ayer, and Carnap, Quine, Strawson, and others. It usually features Wittgenstein for very concentrated study. Where possible, reference is made to other contemporary movements such as: existentialism, phenomenology, and postmodern hermeneutics. (Typically every other Spring)

PREP FOR HEALTH PROFESSIONS

PHP 302 (1-2) Medical Admission Exams Preparation—Devoted to preparing pre-medical, pre-dental, and pre-pharmacy students for the MCAT, DAT, and PCAT exams. Credit/No Credit. Fee. (Typically Spring)

PHP 323 (1-2) Health Professions Shadowing—An elective course for pre-health students to receive credit for shadowing a physician or other health professional. Credits depend on

number of shadowing hours completed. Class meetings are bi-weekly and involve presentations from health professionals in a variety of medically related careers. Requirements include online HIPAA training and bloodborne-pathogen training. (Typically)

PHYSICS

PHY 201, 202 (4 each) Introductory Physics—An introductory course in physics designed for Chemistry and Biology majors. Concepts from calculus will be used to explain various equations. Topics covered include mechanics of solids and fluids, heat, wave motion, electricity, magnetism and modern physics. This course satisfies Foundations requirement for a natural science. Prerequisite: MAT 181 or MAT 132 or equivalent. Three hours lecture and one 3-hour lab/week. Fee. (PHY 201-Typically Fall; PHY 202-Typically Spring)

PHY 211, 212 (5 each) General Physics—A calculus-based introductory course in physics designed for mathematics and engineering majors. Topics covered include mechanics of solids and fluids, heat, wave motion, electricity, magnetism and modern physics. This course satisfies Foundations requirement for a natural science. Prerequisite: MAT 181, 182. Three hours lecture, one and one-half hours recitation, and one 3-hour lab/week. Fee. (PHY 211-Typically every other Fall; PHY 212-Typically every other Spring)

PHY 311 (3) Modern Physics—This course covers the quantum mechanics of simple systems, atoms, and molecules; and atomic and molecular spectroscopy, including electronic, vibrational, and rotational spectroscopy. Three hours of lecture and one 3-hour lab per week. The course runs for 2/3 to 3/4 of the semester and is intended to be followed by PHY 314. Prerequisite: PHY 211 and 212; MAT 181 and 182. Fee. (Occasional Offering)

PHY 314 (1) Relativity—This course studies Foundations of special relativity. It emphasizes problem solving as a means to give students an understanding and an intuition of space-time. In addition, the course presents a modest introduction to General Relativity. Because of the importance of differential geometry in modern theories of dynamics, it includes the basics of differential forms and their application to electricity and magnetism. (Occasional Offering)

PHY 361 (3) Computational Science—Course using computational methods for understanding what nervous systems do and for determining how they function. Exploration of computational principles governing various aspects of vision, sensory-motor control, learning, and memory. Specific topics include representation of information by spiking neurons, processing of information in neural networks, and algorithms for adaptation and learning. Prerequisites: MAT 252 & 271, PHY 211 & 212, or permission from department. (Typically Fall)

PHY 382 (3) Analytical Vector Mechanics—Vector treatment of the statics and dynamics of particles and rigid bodies including Lagrangian mechanics. Prerequisites: MAT 252; PHY 211, 212 (Occasional Offering)

PHY 393 (1) Seminar—Discussion of selected topics. May be offered in conjunction with other departments or as a separate course. (Occasional Offering)

PHY 400 (1-2 hours) Special Problems in Physics—Independent research in student's preferred area of physics. Prerequisites: 6 hours or more of upper division physics. Not

more than 6 hours may apply toward graduation. Fee. (Contract course)

PHY 461 (3) Computational Neuroscience—This course provides an introduction to computational methods for understanding what nervous systems do and for determining how they function. Students explore the computational principles governing various aspects of vision, sensory-motor control, learning, and memory. Specific topics that will be covered include representation of information by spiking neurons, processing of information in neural networks, and algorithms for adaptation and learning. Students make use of Python demonstrations and exercises to gain a deeper understanding of concepts and methods introduced in the course. The course is primarily aimed at third- or fourth-year undergraduates interested in learning how the brain processes information. MAT 252 & 271, PHY 211 & 212, or permission from department. (Typically Spring)

PASTORAL MINISTRIES

PM 400 (3) Pastoral Care & Counseling—This course is a study of the biblical and theological framework of pastoral counseling. It will cover most of the typical problems requiring counseling faced by the local pastor, including pre-marital counseling, hospital visitation, grief counseling, and crisis ministry. It will also provide guidelines for when pastors need to refer counseling issues to more qualified and trained counselors. (Typically)

PM 410 (3) Evangelism—This course provides a theological and practical introduction to the practice of evangelism, particularly in and through the local church. It prepares pastors and church leaders in fostering the evangelistic outreach of individuals and of the congregation as a whole. Students will also explore how the local church partners in world evangelization. (Typically)

PM 420 (3) Denominational Polity/History/Theology—A study of the history, polity and theology of students' denominational memberships. Students will survey the foundational work of the initial leaders of their denomination and trace its history to the present. Students will also explore the nature, meaning, and value of the organizational structure of their denomination and the exercise of authority within it. Finally, they will examine their denomination's doctrinal and theological statements. As a part of this study, students will critically assess their personal compatibility with their ecclesial tradition. (Typically)

PIANO

PNO 100 (1) Beginning Piano for Pleasure—Class designed for non-major, adult beginners at the piano. Students learn repertoire and develop technical skills while learning basic fundamentals of music notation, rhythm, improvisation. Class meets once weekly. Students may proceed to private piano lessons after successful completion of the course. (Typically Fall & Spring)

PNO 130 (1) Piano Service Playing—Designed to allow the student to develop piano skills for leadership in the church. Skills developed will include improvising congregational accompaniments in various styles, preparing piano solos appropriate for the church service, and accompanying. The student must be able to play the piano on an intermediate level and read four-part music in order to be successful in the class. (Typically every other Spring)

PNO 151 (1) Beginning Functional Piano—Designed for non-keyboard music majors/minors who are beginners at the piano. Students learn to read piano music, developing two-hand coordination by playing two- and three-part studies. Other emphases include sight-reading melodies, harmonizing melodies using primary chords, transposing, and improvising. Class meets twice weekly. PNO 151 taken either concurrently with or after MTH 112. Credit/No Credit. (Typically Spring)

PNO 152 (1) Elementary Functional Piano—Designed for non-keyboard music majors/minors. Students play more challenging repertoire in two/three parts and several major and minor scales. Other emphases include sight-reading parts of ensembles and simple two-part piano pieces; reading two-part vocal scores; harmonizing with primary, secondary, and secondary dominant chords; transposing simple pieces; and improvising with set patterns. Class meets twice weekly. Prerequisite: PNO 151. Credit/No Credit. (Typically Fall)

PNO 161, 162 (1 each) Advanced Functional Piano I, II—Designed for keyboard music majors/minors. Skills include music-reading; vocal score-reading up to four parts; instrumental score-reading for strings, woodwinds, and brass; adapting hymns and patriotic songs to congregational styles; modulation patterns up or down by second, transposing chord patterns, pieces, and hymns; harmonizing and by-ear playing of folk tunes and popular songs using chord symbols, a variety of accompaniment styles, and good voice-leading; harmonic vocabulary includes diatonic triads and dominant seventh, non-dominant sevenths, secondary dominants, diminished sevenths, and added sixths. Prerequisite: MTH 121, MTH 122. Prerequisite from PNO 162: PNO 161. Credit/No Credit. (PNO 161-Typically every other Fall) (PNO 162 - Typically every other Spring)

PNO 201 (1-2) Private Piano Lessons for Non-Majors—For all non-majors studying private piano. Students registering for 1 credit hour receive a one-half-hour lesson weekly. Students registering for 2 credit hours receive a one-hour lesson weekly. Prerequisite: PNO 100 or permission by audition with Coordinator of Keyboard Studies. Fee. (Typically Fall & Spring)

PNO 211 (1-2) Private Piano Lessons for Underclassmen Music Majors & Music Minors—Underclassmen music majors and music minors enroll for 4 semesters of private instruction at the 211 level. Students registering for 1 credit hour receive a one-half-hour lesson weekly. Students registering for 2 credit hours receive a one-hour lesson weekly. Students selecting a performance emphasis are required to register for 2 credit hours per term Prerequisite: Acceptance into the music major or music minor by audition as described in the Music Student Handbook. Fee. (Typically Fall & Spring)

PNO 251 (1) Intermediate Functional Piano—Designed for non-keyboard music majors. Review of skills learned in PNO 152. Other emphases include playing accompaniments of vocal and instrumental pieces; preparing three-part vocal and two-part instrumental scores; sight-reading parts from choral/instrumental scores; harmonizing tunes played by ear; playing pieces in four parts. Class meets twice weekly. Prerequisite: PNO 152. Credit/No Credit. (Typically Spring)

PNO 261, 262 (0.5 each) Piano Accompanying I, II—Designed for piano majors, except for those whose emphasis is Church Music. Students develop their skills in piano accompanying by accompanying a one half-hour vocal lesson per week during two semesters. Furthermore, students will participate in three monthly coaching sessions per semester.

(PNO 261 - Typically every other Fall) (PNO 262 - Typically every other Spring)

PNO 361, 362 (1 each) Piano Pedagogy I, II— Designed for piano majors and other students preparing to teach piano. In PNO 361, emphasis is placed upon business aspects of maintaining a studio; survey/evaluation of methods, materials, and techniques for teaching young pianists; observation of piano teachers. In PNO 362, students teach piano to young beginners while being supervised by the instructor. Pre-requisite for PNO 361: Consent of the instructor. Pre-requisite for PNO 362: PNO 361. (PNO 361-Typically every other Fall) (PNO 362-Typically every other Spring)

PNO 371 (1) Piano Literature—Piano Literature is a course designed for the piano major pursuing a Bachelor of Arts in Music with emphasis in Performance. The course includes a brief survey of some of the best literature for solo piano composed during the 18th through 20th centuries. (Occasional offering)

PNO 411 (1-2) Advanced Private Piano Lessons for Upperclassmen Music Majors— Upperclassmen music majors in the B.A. degree program must complete 4 semesters of instruction at the 411 level. Those approved for the Performance Emphasis are required to enroll for 2 credit hours per term. Students whose emphasis is Composition and Arranging or Music History are only required two semesters of private lessons at the 411 level—with a demonstration of major instrument proficiency as outlined in the recital guidelines published by the Music Department (available at this website:

www.asbury.edu/academics/departments/music/music-home/current-student-forms). Upperclassmen music education majors in the B.S. degree program must complete at least 3 semesters of instruction at the 411 level. Prerequisite: Upperclassman Proficiency Exam passed, as described in the Music Student Handbook. Fee. (Typically Fall & Spring)

POLITICAL SCIENCE

PS 101 (3) American Politics & Government—Designed to enable students to understand American political dynamics in an era of gridlock and red state/blue state tensions, this course begins with the Founders' arguments about the nature of the regime they designed in 1787. Following an examination of the structure and politics of the legislative, executive, and judicial branches of government, the course covers critical topics in current American politics, such as interest group behavior, political parties, the federal budget, the media, shifting national demographics, and political culture and ideologies. (Typically Fall)

PS 201 (3) State & Local Politics and Government— Though knowledge of national politics is important for effective citizenship, Americans are most likely to engage with the political system at the state and local levels. This course acquaints students with the dynamics of state government and politics, which vary substantially across the nation, and of local governing entities such as city councils, county governments, school boards, zoning commissions, regional development agencies, and so forth. (Occasional offering)

PS 202 (3) History & Politics of the U.S. Constitution— Originally created as a relatively simple structure for a functioning government, the U.S. Constitution has become layered and complicated over the decades through amendments and, more importantly, judicial and regulatory decisions about how the provisions of the document are to be

interpreted. This course examines changes over time in the Supreme Court, and how its interpretations of constitutional provisions have affected American political life. Special topics include civil rights and affirmative action, freedom of speech, church/state concerns, human life issues, campaign finance, and state's rights. (Typically every other Spring)

PS 205 (3) Markets & Politics—A survey of political economy, this course explores the two fundamental—and opposing—principles for organizing societies and economies: markets and politics. It begins with reading selections from the two most famous advocates for these positions, namely Adam Smith and Karl Marx, but also includes a historical and theological section on development of the concept of the market. The latter part of the course covers more recent work on the uses of politics and markets by scholars such as John Kenneth Galbraith and Charles Lindblom, as well as the collapse of command-and-control economic systems and the “triumph” of markets. (Typically every other Fall)

PS 300 (3) Washington Federal Seminar—A study of the actual and potential role of evangelical Christians in elected, appointed and career positions in the federal government. Includes approximately two weeks of formal classroom time for a survey of American national government and a one-week intensive intercollegiate Federal Seminar in Washington D.C. Travel and on-site costs in Washington are in addition to tuition. A GPA of 2.50 or better is required. Fee. (Typically Spring)

PS 301 (3) Comparative Politics—A Global Perspective on Governmental Forms—An introduction to the basics of comparative analysis of non-American political systems, the course provides an overview of alternative governmental approaches, from totalitarian and socialist regimes to constitutional and parliamentary democracies to authoritarian regimes and dictatorships. The course also includes case studies of numerous nations as they have operated under such regimes, including selected countries from Europe, Africa, the Middle East, and Latin America. (Typically every other Fall)

PS 302 (3) International Relations: Theory and Practice in Influencing Nations—An overview of the most prominent theories for understanding how nations operate relative to one another, this course centers on the two most prominent streams of work in this arena, the idealist and realist schools of thought. Against this backdrop, students will also examine more recent versions of Marxism, critical theory, and functionalism, which each vie for prominence in the field. Students will consider many case studies that enable them to view geopolitical events through these interpretive lenses. (Typically every other Fall)

PS 303 (3) Presidential Leadership & Power in America— An invigorating and time-honored approach to the study of American politics is to examine the institution of the presidency. This course revisits the debate among the founders about the nature of the chief executive in a federal republic and provides a detailed analysis of the shifts in presidential powers, roles, and leadership styles that have occurred over many decades. The course provides special attention to the historical context of the presidents and the interactions of events with their personalities and political beliefs. It concludes with discussion of the recent debates over appropriate presidential power in the age of global terrorism. (Occasional offering)

PS 304 (3) American Political Ideology & Culture—The political map of the U.S. is constantly evolving, as people

move in and out of regions of the country, as they move across rural, urban, and suburban areas, as immigrants bring different languages and political habits to the nation, as the economy shifts, as issues and problems wax and wane, and as Americans' expectations about government change. This course traces many of these changes over the nation's history, and concentrates on the current "red," "blue," and "purple" configuration so prominently discussed in the media and political circles. Students will understand how demography, urban city, region, political parties, and culture affect political ideology and voting habits. (Occasional offering)

PS 305 (3) Politics & Public Policy Making—A macro level view of the interrelationship between politics and policy making, this course examines the major theoretical approaches developed for understanding shifts in policy over time and across domains of public life. Assuming that "disjointed incrementalism" describes the typical process by which policy evolves, students then consider various frameworks to explain non-incremental change in policy structures, such as the multiple streams approach or the advocacy network approach. Includes an array of case studies at the national and state level in policy arenas such as health care, pension reform, education, and transportation. (Typically every other Spring)

PS 307 (3) American Foreign Policy—This course offers an exploration of the politics of American foreign policy from the 1750s through the War or Terror era. By working through several carefully chosen books in this field, students will see not an isolationist people but a nation for which active foreign affairs has always been a pivotal matter. Students will also consider the development of several major schools of thought on the proper role of America vis-à-vis other major and minor powers, how these perspectives have shifted over the decades, and how they manifest themselves today in political debates about foreign policy, especially with regard to wars, alliances, and how the US uses its economic and military power around the world. (Typically every other Spring)

PS 325 (3) Public Policy—An understanding of the practice of administration in public organizations. The course will include an analysis of budget structure and process; revenue structure and administration; and public capital acquisition and debt management. Emphasizes an applied focus and comparative analysis of alternative management structures and strategies. Explores ethical dimensions in the public sector and examines ethics in connection with policy development. (Occasional offering)

PS 391 (1-3) Independent Study—A directed and supervised study of a selected research problem including the preparation of a scholarly paper. (Contract course)

PS 393 (1-3) Seminar—Designated special-interest classes, seminars, or field experiences supervised by faculty, with the appropriate course requirements. Credit may be given more than once. (Occasional offering)

PS 403 (3) Education & Politics—Numerous important political thinkers through the ages have given special attention to the design of education systems or have laid down principles for educating children and youth. This course considers the education thought of several such figures, with special attention to the relationship between learning and various goals for individuals or society, such as living a good life or participating in civic affairs. The final portion of the course is devoted to the political and philosophical currents undergirding the American education system. (Occasional offering)

PS 435 (5-9) Internship in Politics—Students are placed in settings with a political focus, such as legislative or executive branch offices in Washington, DC or state capitols, political party headquarters, interest group offices, think tanks, political research firms, or international organizations. Students will negotiate specific projects to work on during their internships, and written reports will be submitted by the office and by the student to the professor. This is an option for the student and will be tailored to fit the student's needs to the greatest extent possible. Consent of the instructor must be secured. Students may accumulate up to 6 hours of credit toward the major through internship. (Contract course)

PS 474 (3) Capstone in Politics—This course, open to both seniors and juniors who are near completion of their coursework, typically offers a disciplinary perspective on political science, through an exploration of the history and development of the field, and an overview of the major analytic or theoretical frameworks prominent in the discipline in recent decades. Students will also complete a significant research paper and will take part in various assessment activities involving the program. (Typically every other Spring)

PSYCHOLOGY

PSY 101 (3) Psychology & Everyday Life—This course introduces students to the foundational principles of psychology, emphasizing the nature of psychology as a social-behavioral science through the examination of several specific areas, including social behavior, personality, psychological disorders, psychotherapy, motivation, emotions, intelligence, stress and health, learning, physiological studies, sensation, perception, consciousness, development, memory, and thinking. Another principal objective of this course is to introduce students to the science and profession of psychology as seen from a Christian world view. This is recommended for all PSY courses and required for some PSY courses. Fulfills the Social Sciences component of the Core and is required for students majoring or minoring in Psychology. (Typically Fall & Spring)

PSY 201 (3) Developmental Psychology across the Lifespan—This course provides an introduction to the major principles of developmental psychology across the lifespan, from conception to old age. Emphasis is placed on theory and data relating to the developmental aspects of cognitive, biosocial, psychosocial, and spiritual functioning. PSY 201 is an elective course for psychology majors and minors. Recommended first: PSY 101 or SOC 101. (Typically Fall & Spring)

PSY 210 (3) Social Psychology—A study of the ways in which individuals think about, influence, and relate to other people. A scientific analysis of human social behavior. Recommended first: PSY 101 or SOC 101. (Typically Fall & Spring)

PSY 220 (3) Stress Management—Designed to increase awareness of factors that help or hinder personal adjustment to life events and situations. Stress inoculation, stress management, and coping resources are emphasized. Recommended first: PSY 101. (Typically Fall)

PSY 250 (3) Human Dignity & the Social Sciences—This course will examine the relationship between the ideas, imagery, and personalities found within the social and life sciences with the concept of inherent human dignity. Focus will be placed on the historical conflict found in the mental testing and eugenics movement culminating in an examination

of the atrocities committed in Europe during WWII. However, more contemporary issues related to the interface between science and human value will also be discussed. Each student will also develop a personal project for class presentation.

(Typically spring)

PSY 275 (1) Survey of Psychology-related Careers—

Designed for any student interested in the range of career paths open to psychology majors. Surveys careers in counseling, psychotherapy, psychological assessment, social and human services, residential care, forensic applications and settings, teaching (high school or college/university), research, industrial/organizational, psychiatry and other medical specialties, psychiatric nursing, and church/para-church/missions applications. Job search strategies, steps and tools are detailed. Intended to be taken during Fall of Sophomore year. Recommended first: PSY 101. (Typically Fall)

PSY 276 (1) Writing for Behavioral Sciences—Students will learn the format and style advocated by the American Psychological Association. Intended to be taken Sophomore year. (Typically Fall & Spring)

PSY 315 (3) Statistics for Behavioral Science—An introduction to descriptive statistics, inferential statistics, and probability with emphasis on the application of these statistical procedures to experimentation. It is recommended for PSY majors to take this concurrently with PSY 372 in the Fall of Junior year. Prerequisite: MAT 111 or MAT 120 or equivalent. Fee. (Typically Fall & Spring)

PSY 320 (3) Psychology of Gender & Sexuality— Examines psychobiological, sociopsychological, evolutionary, and developmental perspectives on gender and sexuality. Integrates theories regarding the psychology of gender and sexuality into a Christian worldview. Recommended first: PSY 101. (Typically every other Spring)

PSY 322 (3) Equine Facilitated Mental Health—Provides an introduction to the fields of equine-assisted therapies and equine-assisted personal development. The different approaches, varieties of therapeutic settings, and special populations served are addressed. Recommended first: PSY 101. (Typically every other Fall)

PSY 330 (3) Cognitive Psychology—Explores the current and historical theories, research findings and methodologies associated with topics relating to various information processing tasks. Perception, attention, memory, knowledge representation and organization, language, reasoning, and problem solving. Prerequisite: PSY 101. (Occasional Offering.)

PSY 335 (3) Sports Psychology—The examination of psychological implications for sport and exercise including but not limited to the following topics: sport and exercise related motivation, arousal and anxiety factors in the athlete, cognitive and behavioral interventions for improved performance, the social psychology of sport, and the psychobiology of sport. Prerequisites: PSY 101 or SOC 100. (Occasional offering)

PSY 340 (3) Forensic Psychology—Provides an introduction to the major theories and issues related to the practice of forensic psychology. Emphasis is placed on the application and practice of psychology in both the civil and criminal justice systems with the following topics examined in depth: police and investigative psychology, family forensic psychology, psychology of crime and delinquency, victimology and victim services, legal psychology, expert witness testimony, consulting psychology, and correctional psychology. Prerequisites: PSY 101 or SOC 100. Recommended: PSY 360. (Typically every other Spring)

PSY 341 (3) History & Systems of Psychology—Historical development, description and explanation of different schools of thought in psychology. An integrated understanding of modern psychology. Prerequisite: PSY 101. (Typically Spring)

PSY 342 (3) Cross-Cultural Psychology—Examines the effects of culture on the way people think, act, feel, adapt to their environments, and relate to others. Explores various psychological processes across global cultures including emotion, personality, cognition, perception, communication, development, gender concepts, abnormal psychology, treatment, self and identity, and social behaviors and interactions. [*Course does NOT satisfy the Cross-Cultural Engagement requirement.] Prerequisite: PSY 101. (Typically every other Spring)

PSY 351 (3) Counseling & Psychotherapy I—An introduction to the various theories, techniques, and issues related to the practice of counseling and psychotherapy. Integration of applied psychology, Wesleyan theology, and Christian spirituality are emphasized. Prerequisite: PSY 101. (Typically Fall)

PSY 352 (3) Counseling & Psychotherapy II—Advancement of the student's knowledge of the practice of counseling and psychotherapy. Introductory helping skill development is emphasized through supervised training experience with a systematic model. Prerequisite: PSY 351. Fee. (Typically Spring)

PSY 360 (3) Abnormal Psychology—Studies abnormal behavior and psychological disorders with consideration of causal factors, symptom patterns, and treatment options. Prerequisite: PSY 101. (Typically Fall)

PSY 365 (3) Adolescence & Emerging Adulthood—This course examines the biological, cognitive, social, spiritual, and psychological development from adolescence into emerging adulthood as well as the roles of history, culture, religion / spirituality, and social experiences in the family, peer group, school, and community in shaping aspects of this development. Emphasis will be given to the theories, research, and general principles associated with development during these two periods of life. Prerequisites: PSY101 or SOC 100. Recommended: PSY 201, ED 230, SW 251, or SW 252. (Typically every other Fall)

PSY 368 (3) Child & School Psychology—This course provides an overview of childhood disorders and introduces students to fields of school psychology and counseling. This course will review the symptom patterns, prevalence, causal factors, and treatment options of behavior and mental disorders in children and teens, while also exploring the roles of school psychologists and school counselors in assessment, consultation, and intervention services within the school setting.

Pre-requisites: PSY101 or SOC 100. Recommended: PSY 201, PSY 360, ED 230, SW 251, or SW 252. (Typically every other Fall)

PSY 372 (3) Experimental Psychology—Procedures utilizing experimental design are learned and used in undertaking classroom experiments dealing with a variety of topics in psychology and related fields. Intended to be taken concurrently with PSY 315 and PSY373 during Fall of Junior year. Prerequisites: PSY 101, PSY 276, Pre/Corequisite: PSY 315, Corequisite: PSY 373. Fee. (Typically Fall)

PSY 373 (1) Experimental Psychology Lab—In conjunction with Psy372, this course allows students to use the methodologies and tools of psychological research. Students will design and implement their own research designs, and

then analyze and communicate the results in both written and oral formats. Prerequisites: PSY 101, PSY 276, Corequisite: PSY 372, Pre/Corequisite: PSY 315. (Typically Fall)

PSY 375 (1) Integration & Vocation Seminar—Explores the relationship between Christianity and psychology as a science and helps students clarify their own calling. Intended to be taken concurrently with PSY 376 in Spring of Junior year. Prerequisite: PSY 276, Corequisite: PSY 376, and full acceptance into PSY program. (Typically Spring)

PSY 376 (1) Pre-Professional Seminar—Students will be informed about all aspects of graduate school (preparation, application, success) as well as how to prepare for job hunting and occupational success after undergraduate life. Intended to be taken concurrently with PSY 375 in Spring of Junior year. Pre-requisite PSY 275, Corequisite: PSY 375, and full acceptance into PSY program. (Typically Spring)

PSY 381 (3) Physiological Psychology—Physiological explanation of behavior, primarily in the areas of sensation, motivation, learning, and memory. Prerequisites: PSY 101 and BIO 100 (or equivalent). (Typically every other Spring)

PSY 391 (1-3) Independent Study—An in-depth study of a given problem area of interest to the student. Designed for students who plan graduate studies in psychology or for those who desire to enhance their own personal development. No more than a total of five hours of Independent Study or any practicum experience may apply toward the major. Prerequisites: PSY majors only and permission of professor. (Contract course)

PSY 393 (1-3) Seminar—Study of various topics of psychological theory, research, and application. Recommended: PSY 101. (Occasional offering)

PSY 435 (1-3) Clinical/Counseling Practicum—Provides a practicum experience in a clinical/counseling context in order to expose the student to practical applications of psychology in real world settings. No more than a total of five hours of Independent Study or any practicum experience may apply toward the major. Pre/Co-requisites: PSY 351, 352, and 360. PSY majors only and permission of professor. (Contract course)

PSY 436 (1-3) Research Practicum—Provides a practicum experience in a research context in order to expose the student to practical applications of psychology in real world settings. No more than a total of five hours of Independent Study or any practicum experience may apply toward the major. Prerequisites: PSY 315, and 372. PSY majors only and permission of professor. Fee. (Contract course)

PSY 437 (1-3) Teaching Practicum—Provides a practicum experience in an educational context in order to expose the student to practical applications of psychology in real world settings. No more than a total of five hours of Independent Study or any practicum experience may apply toward the major. Prerequisite: PSY 101. PSY majors only and permission of professor. (Contract course)

PSY 442 (3) Psychology of Religion—Relates modern psychological theory, research, and practice to the study of religious experience. Selected aspects of psychology are also examined in the light of the Christian religion. Recommended: PSY 101. (Typically every other Fall)

PSY 445 (3) Christian Counseling Methods—This course provides an introduction to and survey of the most common patently "Christian" models of counseling. It supplements PSY 351 (which surveys the standard secular counseling models and critiques each from a Christian perspective) and PSY 352 (which introduces students to a basic counseling model and

gives them practice in using that model). Neither PSY 351 nor 352 introduces students in any depth to strictly Christian models. Students who end up working in Christian religious settings or for Christian organizations may find it helpful to know about counseling models that were created in and for Christian settings and which make use of Christian language, concepts, and resources. Prerequisite: PSY 101. (Typically every other Spring)

PSY 452 (3) Psychology of Personality—An examination of personality structure, dynamics, and development emphasizing major theoretical perspectives and current research. Prerequisite: PSY 101. (Typically every other Spring)

PSY 454 (3) Expressive Therapies—This course provides a comprehensive introduction to and survey of the most common forms of expressive therapies including art, music, movement, drama, writing, play, sand tray, and integrative approaches as they are used with persons across the lifespan both individually and in groups. The ways in which these creative therapies can be used along with traditional forms of psychotherapy will also be explored. Although the course by itself does not prepare students to be professional expressive therapists, it will help students understand what the practice of these therapies might be like and will give students information about what would be involved in pursuing these career paths. Prerequisites: PSY 101. (Typically every other Spring)

PSY 462 (3) Psychological Assessment—Acquaints the student with various theories, techniques, and issues in the practice of psychological assessment. Prerequisites: PSY 101. (Typically every other Spring)

PSY 472 (3) Psychology of Learning & Motivation—A comparison of theoretical explanations of the causes of behavior and behavior change, and of the empirical evidence on which they are based. Prerequisite: PSY 101. (Typically every other Spring)

PSY 475 (1) Senior Seminar—Requires students to demonstrate their understanding of psychology and related skills (including library research, written communication, and APA writing style) through major written papers and comprehensive summative assessments. Intended to be taken in Fall or Spring of senior year. Prerequisites: PSY 276 and senior in Psychology major. Corequisite: PSY 475. (Typically Fall & Spring)

PSY 476 (1) Ethical Issues in Psychology—This course is an in-depth exploration of the values and ideas that guide and influence professional practice in psychology, including professional codes of conduct, philosophical ethical principles, and Christian morality. Topics include confidentiality, informed consent, competence, integrity, respect, and other ethical guidelines. Prerequisites: PSY 276 and senior in Psychology major. Corequisite: PSY 475. (Typically Fall & Spring)

RECITALS

RCT 041 (0) Recital Attendance—Required of music majors/minors. Music majors: 8 consecutive semesters; Music Education majors: 7 semesters (student teaching semester is exempt); Music minors: 4 semesters. Credit/No Credit. (Typically Fall & Spring)

RCT 280 (1) Elective Music Recital—Non-required recital (requires approval of the music faculty). This recital consists of 22-24 minutes of music. Fee. (Typically Fall & Spring)

RCT 380 (1) Junior Recital—Required only of music majors with an emphasis in performance. This recital consists of 26-29 minutes of music. (Typically Fall & Spring)

RCT 480 (1) Senior Recital—Required only of music majors (B.A.) with an emphasis in Church Music Leadership or music majors (B.A.) without an emphasis. This recital consists of 26-29 minutes of music. (Typically Fall & Spring) This course is an

RCT 481 (.5) Senior Recital—Required only of music majors with an emphasis in Composition/Arranging or in Music History. This recital consists of 10 minutes of music performed with the student's major instrument. (Typically Fall & Spring)

RCT 482 (.5) Senior Recital—Required only of music majors with an emphasis in Composition/Arranging or in Music History. This recital consists of a 20-minute Music History/Literature Lecture (for students with an emphasis in Music History) or 16-20 minutes of music composed or arranged by those students whose emphasis is Composition and Arranging. (Typically Fall & Spring)

RCT 483 (.5 or 1 cr. with approval) Senior Recital—Required only of music education majors. This recital consists of 14-15 minutes of music for .5 credit or 26-29 minutes of music for a 1 credit recital, which requires music department approval. (Typically Fall & Spring)

RCT 484 (2) Senior Performance Recital—Required of students completing the emphasis in (INS, ORG, PNO) Music Performance. This recital consists of 50-55 minutes of music performed with the student's major instrument. (Typically Fall & Spring)

RCT 485 (2) Senior Vocal Performance Recital—Required of vocal students with a vocal performance emphasis, which consists of 50-55 minutes of music, will also require an extended research project on composers and operas/oratorios studied, as well as character studies ("singer as actor"), and detailed text studies resulting in a more extensive printed recital program including program notes as well as translations for songs in foreign languages. (Typically Fall & Spring)

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RECREATION

REC 228 (1) Practicum—Forty hours of practical experience and observation in selected recreation agency settings. (Contract course)

REC 231 (3) Introduction to Therapeutic Recreation—Theoretical, philosophical and historical foundations of therapeutic recreation; role of the treatment and rehabilitation in settings and service models. Professional development and current issues and problems in therapeutic recreation. (Typically Spring)

REC 252 (3) Principles of Church Recreation—Study of history, philosophy, programming, and administration of recreation in the church as it relates to the total ministry. Overview of leisure and its value in the church setting. (Typically every other Spring)

REC 342 (3) Recreation Programming—Study of programming content and process including assessment, planning, implementation, and evaluation of programs and services. (Typically Spring)

REC 391 (1-3) Independent Study—A directed and supervised investigation of a selected problem/topic in the area of REC, mutually agreed upon by the student and professor. Available to senior REC majors. A student may take up to six (6) hours of independent studies. (Contract course)

REC 422 (3) Plan, Design & Maintenance of Recreation, Athletic, and Park Facilities [use SPM 422]

REC 435 (3-6) Internship—Directed professional field experience in public and private recreation agencies. Prerequisite: Senior standing and application process must be completed and approved by department. (Contract course)

SOCIOLOGY

SOC 100 (3) Introduction to Sociology—An introduction to the perspectives, methods, concepts, and general findings of the sociologist. Includes discussion of historical and conceptual development of sociology and is a study of society with analysis of group life and other forces shaping human behavior. Serves as the basic course for students who intend to take additional courses in sociology or as a support course for other majors. (Typically Fall & Spring)

SOC 101 (3) Introduction to Criminal Justice—A study of

the general social conditions as they relate to understanding of crime, juvenile delinquency, and the corrections systems. An analysis of the incidence, causes, the court systems, methods of treatment, punishment, reform, and measures for prevention of crime and delinquency is included in this study. (Occasional offering)

SOC 112 (3) Introduction to Anthropology—An introduction to the comparative study of man and his culture. Treated are such themes as social organization (e.g. marriage, kinship, social stratification, etc.), social interaction (e.g. economic and political systems, religion, social control, etc.), and cultural change. (Occasional offering)

SOC 201 (3) Inequalities in Society—Globalization is the process by which social realities increasingly extend beyond the confines of one's own societal context and gives rise to new interdependencies, implications, and challenges on a global scale. This course takes a sociological perspective on globalization and current social problems, in which attention is given to the 21st century "flat" world. (Typically every other Fall)

SOC 252 (3) Juvenile Delinquency—A study of the problems of juvenile delinquency in America and across cultures; including its nature and causes, the juvenile court system, methods of treatment, probation, detention, parole and prevention. (Typically every other Fall)

SOC 260 (3) Practical Sociology—The first half of the course will focus on an introduction to the symbolic, institutional and individual aspects of systemic oppression in local and global contexts and introduces students to theories of social justice and peace and strategies for social change. The second half of the course will focus on community development and will examine community development beginning with its historical roots. Policies that form the contemporary framework of the field will also be discussed, along with key theories such as social capital formation and asset development. Successful church-based and other nonprofit community development models will be identified and explored. (Occasional offering)

SOC 310 (3) Culture, Media & Society— This course will enable students to interrogate the concept of "culture" and explore the ways in which humans use culture to construct meaning. Through examination of cultural forms such as food, fashion, film, and language, it also considers how material and visual culture is embedded within broader societal processes and structures. (Typically every other fall)

SOC 311 (3) Sociology of Religion—Cross-cultural analysis of religion as a social institution as it relates to culture, society, and the individual. Prerequisite: SOC 100 or 112. (Occasional offering)

SOC 312 (3) Issues in Intercultural Relations—A study of the cultural, political, economic, linguistic and social relationships between racial and ethnic groups in multicultural America, and within and between other nations. Emphasis will be on understanding the origins, history and current state of racial and ethnic groups, the appreciation of other cultures, and on the Christian responses to conflict. (Typically every other Fall)

SOC 322 (3) Rural Studies—A study of the rural culture, its role, socialization, interaction processes, and of their effect upon society. Emphasis upon the Appalachian culture, its institutions, folkways, and social structure. Fee. (Typically every other Spring)

SOC 323 (3) Urban Studies—A study of urban social, economic, and political growth and their effects upon mass

society. Emphasis on patterns of urban growth, demographic and ecological processes, institutions, folkways, and dynamics of social class. Fee. (Occasional offering)

SOC 331 (3) Introduction to Research Methods— (same as SW 331). Prerequisite: Major in Social Work or Sociology or permission of the professor. (Typically Spring)

SOC 341 (3) Marriage & Family Studies—Development of the family as a social institution with emphasis on the contemporary American family its structure and interaction. Emphasis will also be placed on family organization, interaction, and communication in the parental and post-parental family. Courtship and marriage given special emphasis. Mate selection problems, adjustments in marriage, communication, human sexuality, finances and other important factors included. Prerequisite: Junior standing or permission of the professor. (Typically every other Fall)

SOC 350 (3) Race and Ethnicity— Both race and ethnicity are ubiquitous categories that shape our life experiences and influence how we interpret and interact with the world. This class explores where those categories come from, how we learn about them, and how they contribute to race-based differences and inequalities in society. (Typically every other spring)

SOC 353 (3) International Social Issues—Examines international social problems. Social problems are defined as issues that affect many people and require collective action. The course is designed to study social problems that affect the lives of inhabitants in several countries and require international action to bring their resolution. (Typically every other Spring)

SOC 355 (3) Gender and Society— This course introduces key topics related to gender such as work, family, violence, and social inequality. In addition to exploring cultural constructions of masculinity and femininity, it will consider the intersection of gender with structural forces, cultures, and social institutions. (Typically every other fall)

SOC 372 (3) Sociological Theory—A study of the development of the discipline of sociology in terms of the major trends of sociological theory, past and present, including the theorists and the major theoretical problem areas of the discipline. Prerequisite: Senior standing; Sociology, Social Sciences or Philosophy majors. (Occasional offering)

SOC 391 (1-3) Independent Study—Individual research and/or reading in particular fields of sociology. Prerequisite: Permission of the professor. (Contract course)

SOC 393 (1-3) Seminar—The study of various social issues with special emphasis on trends and issues of interest in the field. Topics will be determined and announced each semester when the course is offered. (Occasional offering)

SOC 414 (3) Perspectives on Aging—Study of the social, psychological, biological and economic aspects of aging. The content is interdisciplinary, cross-cultural, and examines the positive contributions and special problems of the aging population. Dying, death and grief are included in the exploration of end of life stages. (Occasional offering)

SOC 435 (1-5) Internship—To provide the opportunity for extensive work in a selected area of sociology, including special investigations, reports, and discussions. Internships can be designed to meet the student's specific interests. Prerequisite: Senior Sociology Major and/or permission of the professor. (Contract course)

SOC 475 (2) Senior Seminar—Serves as the senior capstone course for sociology majors. Provides integration of theory and

practice. Includes case studies, readings, a final integrative written paper and study of vocational and educational (graduate programs) pathways within sociology as well as the administration of a general knowledge standardized test in sociology for program assessment purposes. (Typically Spring)

SPECIAL PROGRAMS

SPE ____ (0-16)—Denotes an affiliate course completed with another institution as part of a study abroad or off campus program. See Global Engagement Office for off campus program opportunities. Course number varies.

SPORT MANAGEMENT

SPM 220 (3) Introduction to Sport Management—Basic concepts and principles of sport management. A survey of the careers, professional opportunities, and the structure and process of sport organizations. (Typically Fall)

SPM 240 (3) Management & Leadership in Sport – This course emphasizes the management and leadership principles related to the business of sports. It includes personnel, programs, marketing, media, financial management and an overview of career opportunities in this rapidly expanding field. Elements of leadership theory and practices relating to managerial responsibilities are also covered. (Typically Spring)

SPM 280 (3) Sport Event Management - Sport events have grown to encompass much of our free time. Because of this growth, event management is one to the most sought-after skills in the entertainment industry. With the construction of massive new facilities, there is a growing need for skilled individuals who can fill arenas, stadiums, and coliseums with programming on a yearly basis. In an effort to help facilitate this need this course provides the student with necessary foundations of event management, including conceptualization, staffing, budgeting, financing, promoting, securing and managing. Upon completion of this course students will understand the competencies necessary for managing and operating sport events through theory and application. (Typically Fall)

SPM 310 (3) History & Evolution of Sport Industry—An historical study of the emergence of sport in America (late 19th century to the present). The relationship of American sports to the economic, social, cultural, religious and political history will be surveyed. Other elements addressed include the forces of industrialization, urbanization, and immigration in early America. Development of sports organizations, professional sports, mass media and their influence on the continued evolution of sports in modern day America will also be addressed. (Occasional Offering)

SPM 330 (3) Sport Communication—Provides an introduction to such areas as interpersonal communication, small group communication, and mass communication as applied to sport organizations. Other topics include electronic media, print media, media management, public speaking, and organizational communication. (Typically every other Fall)

SPM 340 (3) Sport Marketing—Fundamental areas of marketing and promotion are applied to the sport industry. Emphasis on the principles, policies, and product of sport and successful fund raising. (Typically Spring)

SPM 380 (3) Introduction to Sport Analytics—The class will discuss the theory, development, and application of analytics

in sports within the context of business and data management. Students will learn about the application of data analytics in sports for purposes of in-game strategy, player performance, team management, sports operations, and fantasy competitions. The class will consist of lectures, guest speakers from the sports industry and academia. (Typically every other Spring)

SPM 400 (3) Sport Law—Study of negligence liability, product liability, risk management procedures, legal status of sports organizations, and crowd control and security. Also tort law, constitutional law, contracts, sport labor relations, and selected current issues. (Typically every other Fall)

SPM 410 (3) Sport Economics & Finance—Finance and economic marketing principles and theories applied to various sport organizations. Budget development is studied as a method of control and organization. (Typically Spring)

SPM 422 (3) Facility Management & Design—Planning principles and procedures of athletic, recreation, and park areas. Facilities, designing problems, details of structure and equipment, master planning methods, study of standards and trends of maintenance procedures. (Offered Occasionally)

SPM 435 (3) Internship—Directed professional field experience in Sport Management (240 hours expected). Prerequisites: senior standing; application process; approval by the department. (Contract course)

SPANISH

SPN 101 (3) Elementary Spanish I—An introduction to the study of Spanish with emphasis on listening, speaking, reading, and writing. This course is designed for students who have never studied Spanish. (Typically Fall)

SPN 102 (3) Elementary Spanish II—Review and expansion of Spanish grammar, composition, and conversation. Prerequisite: SPN 101, or placement by examination. (Typically Fall & Spring)

SPN 201 (3) Intermediate Spanish—Continued development of listening, speaking, reading, and writing skills in Spanish with a cross-cultural emphasis. Prerequisite: SPN 102 or placement by examination. (Typically Fall & Spring)

SPN 291 (3) Advanced Intermediate Spanish—Designed to familiarize students with grammatical structures and syntax not mastered in elementary or intermediate Spanish. Special attention will be placed on enhancing student skills in speaking, as well as the acquisition of cultural and literary knowledge. Enables students to move smoothly into courses at the 300-level and beyond. Prerequisite: SPN 201, university placement examination, or permission of instructor. (Typically Fall & Spring)

SPN 301 (3) Spanish Composition & Conversation—Intensive practice in both oral and written Spanish communication. Prerequisite: SPN 291 or placement by examination. (Typically Fall & Spring)

SPN 302 (3) Advanced Spanish Grammar & Composition—Review and study of advanced Spanish grammar with intensive practice in writing Spanish prose. Prerequisite: SPN 301 or permission of instructor. (Typically Spring)

SPN 303 (3) Introduction to Literature—Designed to familiarize students with the basic study of literary genres, critical reading skills, and basic literary analysis. Prerequisite: SPN 301 or permission of instructor. (Occasional offering)

SPN 322 (3) Culture & Civilization of Spanish America—A survey of the cultural patterns of Spanish America from the

pre-Columbian period to the present time. Emphasis on historical and contemporary attitudes, cultural contributions, geography, and the role of Spanish America in the world today. Prerequisite: SPN 301 or permission of instructor.

(Typically Fall)

SPN 323 (3) Culture & Civilization of Spain—A survey of the cultural patterns of Spain from its prehistory to the present time. Emphasis on historical and contemporary attitudes, cultural contributions, geography, and the role of Spain in the world today. Prerequisite: SPN 301 or permission of instructor. (Typically Spring)

SPN 331 (3) Spanish Literature I—A survey of the development of Spanish literature from its earliest manifestations through the Golden Age. Readings from the major authors. Prerequisite: SPN 301 or permission of instructor. (Typically every other Spring)

SPN 332 (3) Spanish Literature II—A survey of Spanish literature of the eighteenth century to the present. Readings from the major authors. Prerequisite: SPN 301 or permission of instructor. (Typically every other Spring)

SPN 341 (3) Spanish American Literature I—An introduction to the principal literary figures and movements of Spanish America from the sixteenth century to the late 1700's. Readings from the major authors. Prerequisite: SPN 301 or permission of instructor. (Occasional offering)

SPN 342 (3) Spanish American Literature II—An introduction to the principal literary figures and movements of Spanish America from the nineteenth century to the present. Readings from the major authors. Prerequisite: SPN 301 or permission of instructor. (Typically Fall)

SPN 371 (1) Spanish Listening Comprehension & Conversation Practice—Extensive practice viewing and discussing Spanish-language films. Class meets two hours per week. Credit/No Credit. Does not count toward major or minor. Prerequisite: SPN 301 or permission of instructor. (Occasional offering)

SPN 372 (1) Spanish Listening Comprehension & Conversation Practice—A continuation of SPN 371. Extensive practice viewing and discussing Spanish-language films. Class meets two hours per week. Credit/No Credit. May be repeated for credit; may be counted only once toward major/minor. Prerequisite: SPN 301 or permission of instructor. (Occasional offering)

SPN 391 (1-3) Independent Study—Independent study in a specialized field in consultation with supervising professor. Prerequisites: Completion of at least one 300-level Spanish course and a 3.0 GPA in Spanish courses or permission of professor. (Contract course)

SPN 393 (1-3) Seminar—A course designed for advanced students with the area of concentration to be determined by the staff. Credit for this course may be given more than once. Prerequisite: SPN 301 or permission of instructor. (Occasional offering)

SPN 403 (3) Spanish Linguistics—Introduction to the study of linguistics. Analysis of the phonetic and syntactic structure of the Spanish language. Prerequisite: SPN 301 or permission of instructor. (Typically Spring)

SPN 410 (3) Spanish P-12 Teaching Methods—An introduction to the methods and materials used in teaching Spanish in elementary, middle and high schools. Prerequisites: SPN 301, ED 200, 201, 230 and admission to the Teacher Education Program. Course does not count toward the advanced Spanish hours required for the non-

teaching major in Spanish. Field component. (Occasional offering)

SPN 430 (3) Masterpieces of Spanish Literature—Study of selections from the masterpieces of the peninsular and Spanish-American canons. May be repeated with different readings. Prerequisite: SPN 301 or permission of instructor. (Typically Fall)

SPN 475 (1) Senior Seminar—A course for all Ancient & Modern Languages majors where students are asked to integrate and assess their skills with literature, language, and culture. Required of all Language majors. (Typically Spring)

SOCIAL WORK

SW / SWA 100 (3) Introduction to Social Work—An introduction course designed to study the development of the social work profession and the role of the social worker in society. The values and attitudes of the social worker are explored. The course includes field trips in which the student has opportunity to observe various social service agencies and the role and responsibilities of the social worker within these settings. (SW 100 Typically Fall & Spring; SWA 100 Typically Fall)

SW / SWA 211 (3) Encountering Poverty: Concepts/Interventions for Social Workers—This course examines the causes and consequences of poverty. The course examines poverty through an exploration of its causes, theory, policy strategies for its amelioration and practice implications. Students will learn the terminology and analyze the philosophical, spiritual, conceptual, and theoretical frameworks utilized by diverse agents to understand and address poverty. The course investigates the impact of poverty on single individuals, families, minorities and vulnerable populations. Specific interventions are explored and analyzed. The goal of this course is to develop social work professionals who understand the problem of poverty from a variety of disciplines, understand key concepts and be prepared to intervene regardless of area of practice. (Typically Fall)

SW / SWA 251 (3) Human Behavior & the Social Environment I: Birth to Adolescence—Study of human growth and activity of the individual as a basis for understanding of oneself and the individuals of society. Emphasis will be on change and growth at different stages across the life span. An interdisciplinary approach examining biological, psychological, sociological, cultural, environmental, and spiritual aspects of human behavior will be used and applied to social work practice and understanding. Several theoretical approaches to explain human behavior and personality development are included. Prerequisite: SW / SWA 100. (Typically Fall)

SW / SWA 252 (3) Human Behavior & the Social Environment II: Adolescence through Adulthood and Aging—Study of human growth and activity of the individual as a basis for understanding oneself and the individuals of society. An interdisciplinary approach examining biological, psychological, sociological, cultural, environmental, and spiritual aspects of human behavior will be used and applied to Social Work Practice and understanding. Several significant theoretical approaches to explain human behavior and personality development are included, with focus on change and growth from adolescence through adulthood and aging. Prerequisite: SW / SWA 251. (Typically Spring)

SW / SWA 302 (3) Social Work Ethics & Contemporary Practice—A study of contemporary issues and trends in social work set within an historical context of the development of the social work field. Emphasis is placed on value and ethical dilemmas of practice and policy issues encountered by the social worker. Attention is given to problem and policy analysis to a wide range of activities and events that influence the quality of life for individuals, groups and society. Prerequisites: SW / SWA 100 and 211. SW / SWA 251 also recommended. (Typically Spring)

SW / SWA 310 (3) Social Work Practice with Individuals & Families—Students will be expected to demonstrate an integration and utilization of the knowledge base developed in Social Work and Social Service Systems. Emphasis will be given to the basic principles and values of practice in acquiring values, skills, theory and principles of social work practice, as well as the skill developments essential to beginning social work relationships. Interviewing and counseling techniques will be emphasized through video-taped role-playing. Intervention strategies for work with individuals and families are presented with an orientation toward problem-solving. The goal of this course is to assist the student in integrating theory with practice and in gaining awareness of the professional use of self. Prerequisite: SW / SWA 211. (Typically Fall)

SW / SWA 311 (3) Social Services for Children & Families—A study of the various social services for children. This will include a historical perspective of child welfare and an awareness of societal problems which creates a need for social services to children and their families. Alternative placements outside the home, such as adoption, foster care, and institutionalization will be discussed as well as the supportive services offered to intact families and children. Prerequisite: SW / SWA 100, 211, or permission of professor. (Typically Fall)

SW / SWA 331 (3) Introduction to Research Methods (same as SOC 331)—A course directed toward introducing the student to the basic research process elementary research design, data collection procedures; analysis and interpretation of data, and the preparation of a research proposal or report. Pre-requisite, or concurrent with, PSY 315. Major in Social Work or Sociology or permission of the professor. (Typically Spring)

SW / SWA 340 (5) Practicum I—The student is placed for a minimum of 200 hours for the semester in an agency providing social services. Requires a two-hour weekly seminar and individual, regular meetings with both field and academic instructors. The practicum and practice seminar provide additional opportunity for the student to integrate classroom knowledge with practical experience. The practicum is designed to give the student experience in working with individuals and/or groups in an agency setting. Assigned readings, process recording, and other tools are used to enhance the field practicum experience. Must be taken either fall or spring semester. Pre-requisite or concurrently: SW / SWA 310. Junior or senior social work majors only. (Contract course. Typically Fall & Spring)

SW / SWA 385 (3) Spirituality in the Helping Professions—This course is an exploratory effort to probe the connections between spiritual formation and social work. It arises from the belief that an integrated conceptualization of Christian social work is a rich source of vision, compassion and ability; and is more efficacious than a compartmentalized model in which so-called "secular" social work is done by persons who also happen to be Christians. (Typically Fall)

SW / SWA 390 (3) Social Work Practice with Groups—Students will develop an understanding of theories, methods, and skills in relation to generalist social work practice with groups. This course provides a forum for students to also gain an understanding of the cultural values of individuals and the impact of those values on the group process, as well as ethical considerations related to group work. The course will emphasize group observation, team building, and experiential learning. Fee. (Typically Spring)

SW 391 (1-3) Independent Study—Individual research and/or reading in particular fields of social work. Prerequisite: Permission of the professor. (Contract course)

SW 393 (1-3) Seminar—Seminars will be offered in specific subject matters as necessary to further prepare students in the social work field. These courses could be independent study or a regular class format. Course will be an elective unless stipulated for a specific option in social work. (Occasional offering)

SW / SWA 402 (3) Social Welfare Policies—To develop an understanding of the history, concepts and consequences of social welfare policies of national, state, local and agency organizations. Analyzes the effects on the functioning of social workers at various agency and governmental levels. Examines methods of achieving change in social policy as well as policy implementation. Prerequisites: SW / SWA 100, 211 or SOC major. (Typically Fall)

SW / SWA 410 (3) Social Work Practice with Communities & Organizations—Designed to complete the undergraduate program and thus equip the student for beginning social work practice from a macro perspective. Focus is on competency in social work practice in multiple macro settings as a generalist in problem solving and social change, including administration, community organization/development, organizations, and grant writing. Prerequisites: SW / SWA 310, 340. (Typically Spring)

SW 435 (2-3) Senior Social Work Practicum—Practicum in an area of special interest and opportunity to increase skills and knowledge. Open only to seniors who have completed SW / SWA 340 and 440. Details are to be coordinated carefully with the supervising instructor and field placement supervisor. (Contract course)

SW / SWA 440 (8) Practicum II—The student is placed for a minimum of 320 hours for the semester in a social services agency. Every effort will be made for a placement compatible with the student's skills and interests. In addition the student is to meet individually on a regular basis with both field and academic instructors. The practicum and required practice seminar provide additional opportunity for the student to integrate classroom knowledge with practical experience. The practicum is designed to give the student experience with individuals, groups and organization in the agency setting. Assigned readings, process recording, and other tools are used to enhance the field practicum experience. Prerequisites: SW / SWA 410 or concurrently. Senior social work majors only. (Typically Fall & Spring)

SW / SWA 475 (2) Senior Seminar—Serves as the senior capstone course for social work program for the integration of theory, knowledge, skills, and values. Case studies, readings, and final written paper will be used as learning and discussion tools. Emphasis will be on ethical and value consideration as they apply to generalist social work practice. Exit interviews and testing, and resume preparation are a part of the course. (Typically Fall)

THEOLOGY

TH 250 (3) Foundations of Christian Thought—This course provides a foundational knowledge of Christian thought, focusing on theology and its relation to the Christian life.

Students will study the basic doctrines and practices of historic Christianity, such as the being, attributes, and workings of the Triune God; the nature, fallenness, and redemption of human beings; the character and mission of the church; the disciplines and duties of personal faith; and the nature of Christian hope. Attention is given to major formative events and key persons in the history of the church that have helped to shape Christian faith. Students will not only learn what and why Christians believe what they do, but how these beliefs serve as a guide to life in the contemporary world. Special emphasis is given to the essentials of Wesleyan thought.

Prerequisites: NT 100 and OT 100. (Typically Fall & Spring)

TH 290 (3) Christian Worldview—The course will explore ways in which the student can develop a positive relationship with God as he/she explores the role of general revelation (the creation), special revelation (the Scriptures) and experiences God at work in the modern world. [Same as ACH 300] (Occasional offering – APS only)

TH 310 (3) History of the Early Church—An introduction to the rise and development of the Christian church from its inception to the Council of Chalcedon in the fifth century. Prerequisite: TH 250. (Typically every other Fall)

TH 330 (3) The Theology of John Wesley—A study of John Wesley's theology with particular attention given to his theology of salvation. Special emphasis will be placed on his doctrine of Christian perfection. Prerequisite: TH 250. (Typically every other Fall)

TH 340 (3) Pastoral Theology—Designed to acquaint students with the office and functions of the pastor. Classical Christian sources and concepts are explored in order to develop a theory of pastoral care that is consistent with Scripture and the Wesleyan tradition. Prerequisite: TH 250. (Typically every other Fall)

TH 391 (1-3) Independent Study—A directed and supervised investigation of a selected research problem or issue in biblical studies, including the preparation of a scholarly paper. A student may not take more than four (4) hours of independent study. Prerequisites: OT 100 and NT 100, 3.0 GPA and approval of instructor. (Contract course)

TH 393 (1-3) Seminar—Selected topics in Theology. (Occasional offering)

TH 400 (3) Historical Theology—A study of the historical development of theology within the Christian tradition. Representative theologians and theological issues which have shaped the faith of the Christian church from post-biblical times to the modern period are investigated in the light of biblical, historical, and ethical concerns. Prerequisite: TH 250. (Typically every other Spring)

TH 410 (3) Modern Theology—A study of 20th century theologians who have been decisive in responding to post-Enlightenment skepticism and its critique of revealed religion. Seminar class. Prerequisite: TH 250. (Typically every other Spring)

THEATRE & CINEMA PERFORMANCE

THA 101 (1) Theatre/Cinema Practicum—Performance or crew assignment (40 clock hours) in theatre production or student film. May be taken multiple times for a maximum of 4 credit hours. (Typically Fall & Spring)

THA 150 (3) Movement for the Actor—This course is designed to teach the student to incorporate the connection of the body and voice effectively into the art of stage acting. Primary emphasis will be placed on creating a powerful presence of the performer onstage. The student will learn a variety of physical and vocal warm-up techniques, a basic overview of selected stage movement techniques from theorists/practitioners in the discipline, and effective approaches for creating a union between voice and body in both abstract and realistic performances. (Typically Fall)

THA 151 (3) Acting I—A study of the basic principles of acting based on the Sanford Meisner technique. An emphasis will be placed on Stanislavsky's "Communion" of acting as it relates to connection, commitment, and communication. (Typically Fall & Spring)

THA 251 (3) Acting II—The sequential continuation of Acting I which involves the organic gesture and emotional and physical imagination, further developing the actors' impulses.

Prerequisite: THA 151 (Typically Spring)

THA 262 (3) Approach to Design for Theatre & Cinema—Conceptualization and visualization of the elements involved in creative design for theatre, television, and film; strong emphasis on script analysis and formation of visual concepts. (Typically Spring)

THA 285 (4) New Works Seminar—This course is for the development of new works for stage or to explore new approaches to existing scripts. The development process centers on text analysis, readings, blocking, and movement rehearsals. Students must submit story ideas which will then be workshoped and developed with actors in a laboratory setting. Includes lab for script development through rehearsal, readings, and blocking. (Occasional Offering)

THA 321 (3) Auditions—Auditions is a seminar class that will prepare the student for professional and graduate school auditions in film and theatre. The course will focus on all aspects of the audition process from resume creation and headshots to monologue selections and musical theatre pieces. The culmination of all the elements of the class will be a final audition portfolio the students will develop throughout the course. Additionally, students will participate in mock auditions with several of the professional theatres and film makers in this region of the country. Fee. (Typically every other Spring—even years)

THA 325 (3) Fundamentals of Directing for Theatre & Cinema—A study of the structural analysis of stage and screenplays, rehearsal problems and procedures, composition visualization, movement and rhythm on stage and screen. Prerequisite: THA 251 or instructor approval. Fee. (Typically Fall)

THA 351 (3) Acting III: Styles—Will focus on the drama and performance styles of Ancient Greece, the Commedia dell'arte of the Italian Renaissance, Restoration Comedy. Students will be introduced to the cultural milieu of these historical periods and the theatrical conventions in force at that time; and participate in a variety of exercises designed to immerse him/her in that particular period or style of theatre. Each student will participate in the performance of dramatic literature from each period. The goal of this course is for students to effectively apply basic MEISNER acting methods to literature from stylistically different periods, genres and authors while developing historically accurate and dramatically compelling characterizations. (Typically every other Fall—even years)

THA 371 (3) Acting for the Camera I—Study of performance techniques for camera and interpretation of comedy and drama for television, film, and emerging technologies. Single and multiple camera productions. Prerequisites: THA 151 or THA 251. (Typically every other Fall–odd years)

THA 373 (3) Acting for Camera II—In this course students will apply skills learned in Acting for Camera I to more complex scene work. Much of the class will take place as a studio workshop experience. Scenes will be rehearsed and filmed. A portion of the class will be able to watch the scenes live on monitors as it is being filmed. The course director will be able to stop and start action helping actors work on their onscreen performance. Digital auditions and agency relations will also be covered. Prerequisites: THA 371 (Typically)

THA 382 (3) Theatre History—This course will provide an overview of theatre's rich history. Highpoints will include Greek & Roman theatre, medieval mystery & passion plays, Japanese Noh & Kabuki, commedia dell'arte, Shakespeare, Moliere, Racine, Ibsen, Strindberg, Chekhov, Brecht, absurdism, and American Realism. The roots and influences of theatre on culture will be emphasized. (Typically every other Fall–even years)

THA 391 (1-3) Directed Study—Work may be in technical design, acting, and directing. A maximum of three hours applicable toward graduation. (Contract course)

THA 393 (1-3) Seminar—Study of various issues in the fields of communication and theatre arts, with special emphasis on trends and issues of contemporary communication. Topics will be determined and announced for each semester the course is offered. Credit for this course may be given more than once. (Occasional Offering)

THA 451 (3) Acting IV: Shakespeare—will prepare students to perform in Shakespeare's plays. This course will provide a background overview of the Elizabethan period in addition to various methods towards approaching the movement, voice, language and verse forms from the actor's point of view. Extensive scene and monologue work. (Typically every other Spring–odd years)

THA 475 (1) Senior Seminar—Use COM 475.

UNIVERSITY STUDIES

UNV 110 (0.5-1) Strategies for College Success—Strategies for college success is offered for students in an approved support program. The course is designed to help the student: (1) identify personal strengths and weaknesses; (2) create an individual college plan; (3) demonstrate competency in note-taking; (4) complete weekly management sheets; (5) demonstrate writing competency in journal writing. This seminar provides a systematic structure to address the above concerns. Credit/No Credit.

UNV 120 (1) First Year Experience Seminar—Prepares new students to engage in the college experience academically, spiritually, emotionally, socially, and physically. Assists in exploring unique ways God has gifted them for life. Addresses purpose and value of a Christian liberal arts education, campus resources, strategies for achieving academic excellence, goal-setting, time management, stress management, effective communication, problem solving, living in community, meaningful relationships, and cultural diversity. Open to students with fewer than 30 semester hours completed. Fee.

UNV 195 (1) ELC Academic Workshop—The purpose of the course is to help facilitate academic success for students who have progressed through their language assessment courses with the English Language Center. Students in the ELC Workshop will continue build on their English language proficiency level. Methods used include weekly check-ins with the ELC advisor, conversational partners, listening lab sessions, and writing tutoring sessions. Students will also continue to acquire awareness, knowledge, skills, and understanding related to their personal academic success.

UNV 201 (1) APS Orientation—This course will provide an introduction to Asbury University and the Adult Professional Studies program. The course will introduce students to University resources and services and program requirements and expectations. Students will receive an orientation to the University's technology tools and network systems and best practices for student success in technology-mediated learning environments. Credit/No-Credit.

UNV 205 (1) Academic Workshop I—The purpose of the course is to help facilitate academic success for students who are on academic probation. Students in the Academic Workshop will acquire awareness, knowledge, skills, and understanding related to their personal academic success. Methods used include discussion, readings, projects, assessments, debates, reflection, writing, media, and activities. [freshmen and sophomores] Repeatable. Fee.

UNV 220 (1) Honors Forum—Facilitates meaningful dialogue and written reflection regarding the students' spiritual journey and the importance of integrating faith and learning. Students will develop greater knowledge and understanding of self and the spiritual practices commonly used by Christians in the process of spiritual formation. Prerequisites: By invitation of the President/Provost for incoming traditional freshmen with ACT score of 27 or higher.

UNV 300 (1) Facilitating Peer Instruction—The purpose of the course is to prepare and support tutors who are providing peer assistance through the Tutoring Services program of the Center for Academic Excellence. Students in the Tutoring Workshop will acquire awareness, knowledge, skills, and understanding related to their role in students' academic success. Methods used include discussion, reflection, writing, media, and activities. Credit/No Credit.

UNV 305 (1) Academic Workshop II—The purpose of the course is to facilitate academic success and completion of graduation requirements for upper division students who are on academic probation. Students will review and apply previous knowledge and skills related to their personal academic success and progression towards graduation. Methods used include discussion, assessments, reflection, writing, media, and activities. [Juniors and seniors] Repeatable. Fee.

UNV 320 (3) The Peer Instructor: Teaching in Higher Ed-Theory to Practice—Examines student development, learning, and leadership theories, models, and practices for student success in the college classroom. Students will have the opportunity to demonstrate their knowledge and skills as Peer Educators for UNV 120. By permission of instructor.

UNV 393 (1) Honors Seminar—Open to seniors who have a cumulative standing of 3.50 and a minimum of 48 hours earned at Asbury University. Participation by invitation of the Provost. May not be repeated. Credit/No Credit.

VOCAL MUSIC

[VOC 200-level Proficiency (0)]—For those degree programs with this requirement, it must be successfully completed by the end of the sophomore year or the student must enroll in the following sequence of courses until the proficiency is completed: VOC 100 plus three semesters of VOC 101 or VOC 102. Students may fulfill the VOC 200-level proficiency by (1) completion of VOC 100 plus an additional three semesters of private voice lessons, or (2) by jury examination, so the examination may be attempted in any semester. The form indicating the criteria for this proficiency exam is found on the Music Department website under the section entitled, "Forms for Current Students".]

VOC 100 (1) Voice Fundamentals for Singers—Vocal fundamentals for singers is a Pre-requisite to voice lessons for those students who have not completed a successful audition for either a music major, minor, or a Music Performance Scholarship. (Other students with a strong background in vocal training may also audition to exempt the Pre-requisite class.) Emphasis on understanding the vocal instrument and the vocabulary of vocal study, as well as the process of developing singing skill through regular practice of both vocal training exercises and vocal literature in the classic tradition. Maximum class size will be 12 students. Fee. (Typically Fall & Spring)

VOC 101 (1) Voice Lessons/Non-majors—Half hour elective voice lesson for students who are neither voice majors nor minors – no accompanist provided. Practice hour requirement is three hours weekly; musical literature requirement, beginning with the second semester, is a minimum of three memorized songs; performance requirement, beginning with the second semester, is a studio performance or jury exam, at the teacher's discretion. Prerequisite: VOC 100 or VOC 104, or successful audition; May be repeated. Fee. (Typically Fall & Spring)

VOC 102 (2) Voice Lessons/Non-majors—One-hour elective voice lesson for students who are neither voice majors nor minors – no accompanist provided. Practice hour requirement is four-and-one-half hours weekly; musical literature requirement, beginning with the second semester of elective study, is a minimum of four memorized songs; performance requirement, beginning with the second semester, is a studio performance or jury exam, at the teacher's discretion. Prerequisite: VOC 100 or VOC 104, or successful audition. May be repeated. Double lesson fee. (Typically Fall & Spring)

VOC 104 (2) Voice for Theatre and Worship—Vocal fundamentals for those students with an interest in learning how to use the singing voice in non-classical genres. Primary topics would include (1) healthy singing and speaking for drama/musical theatre, (2) singing with the use of a microphone, (3) healthy singing in contemporary styles (Broadway, Pop, and other contemporary styles), (4) understanding of appropriate styles for various venues and how they compare, (5) basic concepts of breath, phonation, resonance, articulation, and communication. Either this class, VOC 100, or an audition is required for all students who wish to enter the collegiate voice lesson program. Fee. (Typically Spring)

VOC 105 (1) Diction for Singers I—Students learn to use the International Phonetic Alphabet in English, Italian and Latin. Recommended for all students preparing classical music in private voice lessons. (Typically Fall)

VOC 106 (1) Diction for Singers II—This course is a continuation of VOC 105, using the International Phonetic

Alphabet for training singers who perform German and French songs. Prerequisite: VOC 105 or the equivalent. (Typically Spring)

VOC 111 (1) Voice Lessons for THA—Half hour voice lesson designed for Theatre & Cinema Performance majors who are fulfilling requirements for the Musical Theatre Emphasis, but open to non-majors – ½ hour accompanist provided. Practice hour requirement is three hours weekly; musical literature requirement, beginning with the second semester of elective study is a minimum of three memorized songs; performance requirement, beginning with the second semester, is a studio performance or jury exam, at the teacher's discretion. Prerequisite: VOC 100 or VOC 104, or successful audition. May be repeated. Lesson fee and accompanist fee. (Typically Fall & Spring)

VOC 112 (2) Voice Lessons for THA—One-hour voice lesson designed for Theatre & Cinema Performance majors who are fulfilling requirements for the Musical Theatre Emphasis, but open to non-majors – ½ hour accompanist provided. Practice hour requirement is four-and-one-half hours weekly; musical literature requirement, beginning with the second semester of elective study, is a minimum of four memorized songs; performance requirement, beginning with the second semester, is a studio performance or jury exam, at the teacher's discretion. Prerequisite: VOC 100 or VOC 104, or successful audition. May be repeated. Double lesson fee and single accompanist fee. (Typically Fall & Spring)

VOC 201 (1) Voice Lessons/Non-majors—Half hour elective voice lesson for non-music majors who have been pre-approved to perform a public, elective recital (RCT 280) – ½ hour accompanist provided. Practice hour requirement is four hours weekly; musical literature requirement is linked to the literature requirements specified for RCT 280; performance requirement is a jury exam (if not the semester of the recital) or RCT 280. Lesson fee and accompanist fee. (Typically Fall & Spring)

VOC 202 (2) Voice Lessons/Non-majors—One-hour elective voice lesson for non-music majors who have been pre-approved to perform a public, elective recital (RCT 280) – ½ hour accompanist provided. Practice hour requirement is five hours weekly; musical literature requirement is linked to the literature requirements specified for RCT 280; performance requirement is a jury exam (if not the semester of the recital) or RCT 280. Double lesson fee and single accompanist fee. (Typically Fall & Spring)

VOC 211 (1) Voice Lessons/Majors & Minors—Half hour voice lesson for underclassmen vocal majors & all vocal minors – ½ hour accompanist provided. Practice hour requirement is four hours weekly; musical literature requirement, beginning with the second semester, is four memorized songs; performance requirement is an end-of-semester jury exam (which may be ungraded for first semester students, at the teacher's discretion) or RCT 280. Prerequisite: first semester students must either have completed or be simultaneously enrolled in VOC 100 and must have successfully auditioned for the major or minor prior to the beginning of the semester. Lesson fee and accompanist fee. (Typically Fall & Spring)

VOC 212 (2) Voice Lessons/Majors & Minors—One-hour voice lesson for underclassmen vocal majors & all vocal minors – ½ hour accompanist provided. Practice hour requirement is five hours weekly; musical literature requirement, beginning with the second semester, is five memorized songs; performance requirement is an end-of-

semester jury exam (which may be ungraded for first semester students, at the teacher's discretion) or RCT 280. Prerequisite: first semester students must either have completed or be simultaneously enrolled in VOC 100 and must have successfully auditioned for the major or minor prior to the beginning of the semester. Double lesson fee and single accompanist fee. (Typically Fall & Spring)

VOC 300 (1-2) Opera Workshop—Training with chamber operas, light operas or operettas, and/or with opera scenes. Students accept responsibilities for learning a role or roles, assisting with aspects of technical execution, and/or performing the opera or scenes assigned. Credit is available both fall or spring term for annual productions, but two credits may only be granted for those who successfully audition for major roles. By audition only. Credit/No credit. (Typically every other Fall)

VOC 301 (1-2) Musical Theatre Ensemble—An auditioned ensemble of approximately 10-12 students who will prepare solo items as well as ensemble scenes from the Musical Theatre Repertory. Students study vocal technique, acting, movement, diction, stage persona, etc., in preparing and presenting a "gala" or "showcase"-type performance. By audition only. Credit/No credit. (Typically every other Fall)

VOC 411 (1) Voice Lessons/Upper-class Majors—Half hour voice lesson for students whose primary instrument is voice but who do not choose a vocal performance emphasis – ½ hour accompanist provided. Practice hour requirement is five hours weekly; musical literature requirement is five memorized songs; performance requirement is an end-of-semester jury exam or completion of appropriate RCT course requirements. Prerequisite: successful completion of Vocal Advancement, for which forms are available in the "Current Student Forms" section of the Music Department's website. Lesson fee and accompanist fee. (Typically Fall & Spring)

VOC 412 (2) Voice Lessons/Upper-class Majors—One-hour voice lesson for students whose primary instrument is voice but who do not choose a vocal performance emphasis – ½ hour accompanist provided. Practice hour requirement is six hours weekly; musical literature requirement is six memorized songs; performance requirement is an end-of-semester jury exam or completion of appropriate RCT course requirements. Prerequisite: successful completion of Vocal Advancement, for which forms are available in the "Current Student Forms" section of the Music Department's website. Double lesson fee and single accompanist fee. (Typically Fall & Spring)

VOC 422 (2) Voice Lessons/Upper-class Performance Emphasis—One-hour voice lesson for upperclassmen with a vocal performance emphasis – 1 hour accompanist provided. Practice hour requirement is six hours weekly; musical literature requirement is six memorized songs; performance requirement is an end-of-semester jury exam or completion of appropriate RCT course requirements. Prerequisites: (1) successful completion of Vocal Advancement Exam, and (2) approval of the music faculty for the Performance Emphasis. Forms for each of these Pre-requisites are available in the "Current Student Forms" section of the Music Department's website. Double lesson fee and double accompanist fee. (Typically Fall & Spring)

VOC 461, 462 (1 each) Vocal Pedagogy I and II—Vocal Pedagogy I and II comprise a 2-semester course sequence that meets for one session per week each semester. The first semester is designed with a resource-and-information-gathering focus in the areas of vocal physiology, resources, and literature. The second semester focuses primarily on

student teaching, with each student engaging in private voice teaching as well as observation of professional private instruction. Students gather and compile information through observation, evaluation, experience, resource-gathering, and class discussion and interaction. (Occasional offering)

WORSHIP ARTS

WA 101 (2) Introduction to Worship Arts—An introductory examination of the content, construct, and context of the worship arts in the contemporary church. Special attention is given to music. (Typically Fall)

WA 121 (3) Contemporary Music Theory I—Explores chord structure, melody, and form in contemporary music, and emphasizes ear training in contemporary idioms. Examines arranging songs for a worship band from both a formal and instrumentation standpoint. Prerequisites: MTH 111, MTH 121. (Typically Spring)

WA 151 (1) Worship Arts Technology—Examines the use of software and technology commonly used in contemporary music, especially Ableton *Live*. Students gain further skills in sequencing, loops, and keyboards. (Typically Spring)

WA 211 (1) Worship Band Ensemble—Required for students in the Worship Arts major (music emphasis). Members practice together and use their music in multiple ministry situations throughout the semester, especially chapel services. By audition only. Fee. (Typically Fall & Spring)

WA 293 (1-3) Worship Arts Seminar—A study of various topics and issues in worship arts, with particular attention to emerging trends. May be repeated for credit. (Occasional Offering)

WA 300 (2) Worship Arts Leadership—An overview of many of the facets of worship arts leadership, especially regarding their spiritual implications. The many and varied roles and relationships of the worship leader are explored. Special emphasis is placed on the relationship between the worship leader and the pastor. Also considered are areas of personnel management and the relationships between the worship leader and other staff members, singers/instrumentalists, and the congregation. (Typically Spring)

WA 321 (2) Introduction to Worship Band—Students gain an elementary competency in guitar, bass, drums, keyboard, and vocals. [previously WA 221] (Typically Fall)

WA 322 (3) Contemporary Music Theory II—Further explores chord structure, melody, and form in contemporary music; ear training in contemporary idioms; arranging songs for a worship band from both a formal and instrumentation standpoint; and music technology. Students are required to synthesize all this into writing their own songs. The culmination of the course is the writing and performing of students' songs. Prerequisites: WA 121. (Typically Fall)

WA 330 (3): Worship Design—Is a combination of lecture and group projects that allow students to review the elements required for a good worship experience and then to design worship experiences utilizing all of the arts, including dance, literature, visual art, theatre, digital media, and various music styles as appropriate. Leadership & team work principles, aesthetics, design, and worship history will be integrated as guidelines. Fee. (Typically Spring)

WA 435 (3) Internship—Students are placed with worship pastors in one semester, intensive, real-life mentoring relationships where they gain experience and insight into the fulltime ministry of being a worship arts director. Capstone experience. (Contract course)

YOUTH MINISTRY

YM 235 (1) YM Practicum—Opportunity for observation and practical experience in ministry settings as a means to clarify direction and call to ministry through networking with professionals serving in a youth ministry role. Periodic class sessions provide opportunity for interaction with peers and reflection on ministry practices. Majors and minors only. May be repeated once for credit. (Typically Fall & Spring)

YM 350 (3) Youth Ministry—An analysis of contemporary youth culture, peer syndrome, personal identity and value development with principles and skills of creative youth ministry methodology. Emphasis is given to evangelism and spiritual growth of adolescents, toward the goal of full involvement in the Church. (Typically Fall)

YM 360 (2) Youth and Culture—A course exploring characteristics and trends in youth culture. Emphasis is placed on equipping future youth ministry leaders to assess and address these issues from a biblical and culturally-sensitive perspective in their ministry. Students will design and implement a research project. Prerequisite: YM 350 or department permission. (Typically every other Spring)

YM 365 (2) Youth and Evangelism—This course explores methods of evangelism appropriate to the ages and developmental levels of adolescents. In addition to surveying current trends, students will present an appropriate gospel message using a form of their choosing. The course is designed for youth ministry majors/minors, students interested in working with youth, as well as other students interested in lay or parachurch ministry with youth. Prerequisites: YM 350 recommended, but not required. (Typically)

YM 370 (2) Pastoral Care of Youth—A study of various problems that affect adolescents and processes for spiritually-centered assistance and intervention. Basic pastoral care/counseling principles and strategies for a ministry context will be explored, including confidentiality, limitations, referral, and ethics. Prerequisite: YM 350 or department permission. (Typically every other Spring)

YM 380 (2) Special Topics in Youth Ministry—A seminar-style consideration of significant and emerging issues in youth ministry for advanced youth ministry students and other students interested in lay or parachurch ministry with youth. A primary focus of the course is participation in a national conference for youth ministry practitioners. Fee. (Typically Fall)

YM 391 (1-3) Independent Study—A directed and supervised investigation of a selected research problem or issue in youth ministry. The preparation of a scholarly paper is included. Prerequisites: EM 280, Seniors only, departmental permission required. May not be repeated for credit. (Contract course)

YM 393 (1-3) Seminar—The study of various issues and fields of youth ministry, with special emphasis on trends and issues of contemporary ministry. Topics will be determined and announced for each semester the seminar is offered. Prerequisites: YM 350. (Not more than 4 hours of seminar credit may count towards major or minor. Admission by departmental permission only.) (Occasional offering)

YM 435 (3) Internship—The application of ministry principles in an actual ministry setting with adolescents, supervised by department-approved ministry personnel. Prerequisites: YM 350 and CM 380; JR/SR status; major/minor only. Credit/No credit. (Contract course)