

COURSE DESCRIPTIONS

Listings are in alphabetical order by department abbreviation. Classes listed as (On Demand) will be offered on an as needed basis.

Department of Business Prefixes	BA, CS, DP, EC, FN, MK
Department of Christian Ministries Prefixes	CE, LG, PH, RL
Department of Criminal Justice Prefixes	CJ
Department of Education Prefixes	ED
Department of English and Communication Arts Prefixes.....	EN, JL, LG, SP
Department of Fine Arts Prefixes	AR, MU
Department of Health and Physical Education Prefixes	PE
Department of History and Political Science Prefixes.....	GE, HT, PL
Department of Natural Science Prefixes.....	BS, CH, GS, HS, MT, PS
Department of Psychology and Social Work Prefixes.....	FS, PY, SC, SW

ART (AR)

AR1103 Design I

3 credits

A course designed to provide fundamentals in drawing techniques and media. Two-dimensional problems and color theory will be used to show the interrelationship of art elements and design principles. Emphasis will be on accurate representation as it relates to form and perspective. Principles of line, form, shape, texture, and value using markers, acrylic paints, ink, feathers, cloth, wire, twigs, records, etc. will aid in developing the student's observation skills and expressive nature.

AR1123 Drawing I

3 credits

A course designed to provide fundamentals in drawing techniques and media. Emphasis will be on accurate representation as it relates to form and perspective. Principles of line, form, shape, texture, and value are used to develop the student's observation skills and expressive nature.

AR1133 Drawing II

3 credits

A course designed to further the development of fundamentals in drawing techniques and media. Emphasis will be on accurate representation as it relates to form and perspective, creativity of subject matters and more emphasis on media choices. Principles of line, form, shape, texture, and value are used to develop the student's observation skills and expressive nature. Prerequisite AR1123 or permission by instructor.

AR2143 Art Appreciation

3 credits

Art Appreciation is an introductory course in the field of art, in which art history, its players, and its impact on society are presented. The student, regardless of major, background or experience, will gain the artistic knowledge of artwork from galleries, museums, movies, literary material, advertisements, logos, architecture, pottery, clothing, etc.

AR2223 Painting 1

3 credits

A preliminary painting class in which students will be introduced to the techniques and tools of creating pieces of artwork from real and imaginary subject matter. The media are either oils or acrylics. Students are shown the basic skills of mixing paints and interpreting the color wheel,

using correct brushes, creating three dimensional textures, and producing interesting compositions. The student is free to explore personal interest and subject matter.

AR2233 Painting II

3 credits

A continuation of Painting I class in which students will develop their skills regarding advanced painting techniques. Emphasis on experimentation with more non-traditional media, such as wood, metal, paper, as well as oils and acrylics. Prerequisite: AR2223 Painting I or permission by instructor.

AR3333 Illustration I

3 credits

Fundamentals in visual storytelling using traditional and digital media with emphasis on visual communication and personal style. Students will be allowed to create a wide range of imagery and caricatures.

AR 4213 Art History I

3 credits

A study of the great originaive styles and developments in Western art from the Paleolithic period through the Baroque era in Europe. Students will gain hands-on experience with techniques and styles of art from the various time periods.

AR 4223 Art History II

3 credits

A study of the history of art from Rococo-era Europe through the European and American modernist and post- modernist movements of the 20th century. Students will gain hands-on experience with techniques and styles of art from the various time periods.

BUSINESS ADMINISTRATION (BA)

BA 2153 Business Calculus

3 credits

Survey of basic concepts of analytic geometry and calculus, including limits, derivatives, exponential and logarithmic functions, integral, and multivariable calculus. Prerequisites: MT 1133. On Demand

BA 2243 Principles of Accounting I

3 credits

Introduction to Accounting theory and practice in the analysis of business transactions and recording of business data in sole proprietorships. Fall.

BA 2253 Principles of Accounting II

3 credits

Continuation of BA 2243 emphasizing the partnership and corporate forms of the business entity. Prerequisite:BA 2243. Spring.

BA 2313 Business Statistics

3 credits

Introduces quantitative interpretation of data for business purposes. Includes descriptive statistics, probability theory, hypothesis testing, and linear regression. Prerequisite: MT 1133 or higher. Spring.

BA 3123 Consumer Finance

3 credits

A study of economic factors influencing consumer welfare such as banking, debt management, taxation, insurance, investments, and retirement plans. Spring.

BA 3213 Principles of Marketing **3 credits**
A study of the system of activities that constitute marketing: Product or service development, pricing, promotion and distribution. Emphasis is placed on the principles, policies, and strategies utilized to satisfy the needs and wants of customers. Spring.

BA 3223 Organizational Behavior and Management **3 credits**
Introduction to the managerial process. Topics focused on include the philosophy of management, planning, decision making, organization structure, group behavior, leadership, motivation, control, business ethics, and current management issues. Fall.

BA 3233 Human Resource Management **3 credits**
Study of recruitment, selection, employment, training and evaluation of human resources. Emphasizes the human aspect of organizations, personnel efficiency and productivity, individual and group labor relations. Prerequisite: BA 3223 or permission of professor. Spring, odd years.

BA 3253 Special Topics **3 credits**
This course will focus on a current and/or specific industry, event, or piece of legislation related to business. Ondemand

BA 3283 Business Law **3 credits**
Introduction to the fundamental principles of law as it applies to business. Topics include court systems, litigation, and alternative dispute resolution; constitutional and administrative law; tort law and, product liability; contract law and, agency law; business organizations; and government regulation of businesses including antitrust law, employment law, and securities regulation. Spring.

BA 3323 Business Communication Skills **3 credits**
Emphasize proper usage of the English language in the context of business. Preparation of business presentations, memos, letters, short reports, and resumes in a clear, concise, and correct manner. Prerequisite: EN 1123. Fall.

BA 3423 Operations Management **3 credits**
Study of "input-output" transformation process in public and private organizations. Planning and controlling the operational elements of this transformation process including work standards, scheduling, materials management and quality control. Prerequisite: BA 2313. Fall.

BA 3513 Managerial Accounting **3 credits**
Surveys cost accounting principles and methods used for planning, budgeting, and control. Introduces the use of accounting information for management decision making. Prerequisite: BA 2253. Fall, odd years

BA 3523 Intermediate Accounting **3 credits**
An intensive review of the accounting process and financial statements. Topics covered include cash flow evaluations, time value concepts, working capital analysis, inventory valuation, and operational assets. Prerequisite: BA 2253. Fall, even years.

BA 4123 Principles of Taxation **3 credits**
Introduction to federal income taxation and its theory and role in a modern industrialized society. Emphasis on business and investment income and deductions, property transactions, and other topics related to personal income taxation. Prerequisite: BA 2243. On demand.

BA 4333 Business Ethics**3 credits**

Develops decision-making criteria for Christian ethical concerns and their application to the major issues of ethical conduct in business. Fall.

BA 4343 Survey of International Business**3 credits**

An overview of international business practices that encompasses the functional areas of management, marketing, and finance. Economic theory and history of international trade will also be discussed. Prerequisite: EC 2273 or permission from professor. On demand.

BA 4353 Small Business Management**3 credits**

A study of the organization and operation of a small business with emphasis on entrepreneurial qualifications, capital requirements, promotional strategies and sources of assistance. Prerequisites: BA 2253 and BA 3223. Fall, odd years.

BA 4513 Individual Study**3 credits**

Study in specific area of student interest. Progress is closely supervised by a faculty member.

BA 4613 Business Internship**3 credits**

Provides practical job experience in an industry or other business establishment of special vocational interest to the student. Students will be assigned to work with a regional employer and supervised by an experienced professional to gain real world training. Prerequisites: Junior or senior standing and permission from department chair. Fall, Spring, Summer.

BA 4913 Business Policy**3 credits**

Capstone course which integrates the various areas of business administration. Examines organizational mission, objectives, and policies. Teaching methodology includes case studies and strategic management studies. Prerequisites: Completion of ninety (90) hours of course work including BA 3213, 3223, 3283, 3293, 4333. Spring.

BIOLOGY (BS)**BS 1111****1 credit**

A lab to accompany BS 1113. Must be taken simultaneously with BS 1113. The lab provides hands on exposure to the scientific method and basic laboratory techniques. The lab compliments lecture to reinforce concepts such as experimental design, interpretation of scientific studies, critical thinking, molecular genetics, organismal biology, and environmental issues. Fall, Spring.

BS 1113 Biological Science**3 credits**

A course for general education that provides an overview of the biological sciences. The course provides background knowledge in the scientific method, cell biology, genetics, taxonomy/systematics, organismal biology, and environmental issues. Three hours of lecture per week. Fall, Spring.

BS 1121 Introduction to Science and Health Careers**1 credit**

A course for students interested in learning more about careers in science and health professions, including a discussion of career options and information about what is required for different careers. This course is recommended for any student considering a career in these areas. The course will include lectures and discussion led by faculty and by visiting speakers. One hour of lecture per week. Fall.

BS 1134 Botany**4 credits**

A study of the form, structure, function, and reproduction of plants. Three hours of lecture and two hours of laboratory per week. Prerequisites: BS 1111 and BS 1113 or BS 1214. Fall, odd years.

BS 1154 General Zoology**4 credits**

Fundamentals of the invertebrate and vertebrate organisms. Three hours of lecture hours and two hours of laboratory per week. Prerequisites: BS 1111 and BS 1113 or BS 1214. Spring, odd years.

BS 1214 Principles of Biology I**4 credits**

A course for biology majors that provides an overview of biology in conjunction with Principles of Biology II. The course provides a background knowledge for the study of cell, invertebrates, vertebrates, plants, human anatomy, and environment. This course provides basic biological knowledge, including an understanding of: 1) the scientific method, 2) the diversity of life on earth, 3) plant and animal structure and function, and 4) ecological issues. This course includes three hours of lab. Fall

BS 1224 Principles of Biology II**4 credits**

A course for biology majors that provides an overview of biology in conjunction with Principles of Biology I. The course provides a background knowledge for the study of the cell, molecular biology, genetics, and biotechnology. This course provides basic biological knowledge, including an understanding of: 1) cell biology, 2) molecular biology, 3) Mendelian genetics, 4) molecular genetics, 5) population genetics, and 6) biotechnology. The course includes three hours of lecture and three hours of lab. Prerequisite: BS 1214 or the combination of BS 1113 and BS 1111. Spring, odd years.

BS 2001-4 Introductory Special Problems in Biology**1-4 credits**

This course provides an introduction to research skills in biology. May be repeated for 1-4 credit hours. A maximum of 2 credits may be used towards the requirements for a biology major. Prerequisite: Permission of the advisor and of the department chair. On demand.

BS 2113 Medical Terminology**3 credits**

Provides the student with increased familiarity with medical terms (including suffixes, roots, prefixes) and with review of anatomical structures. May not be used to fulfill the natural sciences general education requirement, toward credits for the biology concentration block of the liberal arts degree, to fulfill biology elective credit requirements or toward credits for a biology minor. Prerequisite: BS 1111 and BS 1113 or BS 1214. Spring; on demand.

BS 2214 Anatomy and Physiology I**4 credits**

The structure and function of the different systems of the human body. This course is the first half of a two semester anatomy and physiology sequence. Three hours of lecture and two hours of laboratory per week. Prerequisites: BS 1111 and BS 1113 or BS 1214. Spring.

BS 2314 Microbiology**4 credits**

The study of the taxonomy, morphology, and physiology of micro-organisms, their relation to medicine, industry, agriculture, and basic lab technique. Three hours of lecture and two hours of laboratory per week. Prerequisites: BS 1111 and BS 1113 or BS 1214 and BS 1224. Spring, even years.

BS 2413 Genetics**3 credits**

The study of genetic material, the gene as a unit of recombination, mutation, function and regulation. Three hours of lecture per week. Prerequisite: BS 1111 and BS 1113 or BS 1214 and BS 1224. Fall.

BS 3133 Science and Faith**3 credits**

A survey of the historical interaction between science and Christian faith, including important concepts in metaphysics, Biblical interpretation and philosophy of science from an Evangelical perspective. RL 1133 Christian Worldview and completion of any 4-hour course in BS, CH or PS. Fall.

BS 3134 Entomology**4 credits**

The study of the biology of insects. A study of the morphology, physiology, phylogeny, ontogeny, behavior, ecology and population biology of insects. Emphasis will also be placed on the importance of interaction with humans, from the potent roles of some insects in agriculture, to insects as vectors of disease. Three hours of lecture and two hours of laboratory per week. Prerequisites: BS 1111 and BS 1113 or BS 1214. Fall, even years.

BS 3214 Biochemistry**4 credits**

An introduction to the organic structure of living systems. Concepts dealing with proteins, enzymes, metabolism and biosynthesis. Three hours of lecture and three hours of laboratory per week. Prerequisites: Introductory biology (BS 1111 and BS 1113 or BS 1214 and BS 1224) and chemistry through CH 3164 (which maybe taken concurrently). Cross-listed as CH 3214. Spring, odd years.

BS 3513 Economic Botany**3 credits**

The study of the uses humans make of plants. Prerequisites: BS 1111 and BS 1113 or BS 1214 or permission of the instructor. On demand.

BS 3514 Cell Biology**4 credits**

The detailed study of the structure and function of the cell. This course covers cell biochemistry, genetics, molecular biology, and cytology. Four hours of lecture per week. Prerequisites: Introductory biology (BS 1111 and BS 1113 or BS 1214 and BS 1224) and BS 2413. Spring, odd years; Fall and May terms online on demand.

BS 3614 Comparative Anatomy**4 credits**

The study of the similarities of anatomy and phylogenetic relationships. Three hours of lecture and two hours of laboratory per week. Prerequisites: BS 1111 and BS 1113 or BS 1214 and BS 1224. **Fall, odd years.**

BS 3714 Advanced Anatomy and Physiology**4 credits**

A continued exploration of topics that were introduced in Anatomy and Physiology I (BS 2214). In this course, we explore the structure and function of human organ systems. Particular emphasis will be placed on how processes at lower levels of biological organization promote the function of these organ systems, as well as how these organ systems work together to promote the function of the entire human body. The material in this course will build upon, rather than overlap with, material in Anatomy and Physiology. An additional weekly laboratory will emphasize the anatomy of human organ systems. This is a second part of a two semester anatomy and physiology sequence and covers traditional topics intended to fulfill anatomy and

physiology I and II requirements. However, the coverage is at an advanced level for upper level credit and therefore lower level anatomy and physiology II classes are not equivalent. Prerequisites: Either BS 1111 and BS 1113 or BS 1214; also requires BS 2214 in addition to the introductory biology requirement. Fall, odd years.

BS 3814 Ecology

4 credits

This course presents an introduction to how living things interact with each other and with their surroundings. We explore biological phenomena at higher levels of organization, including organismal, population, community, and ecosystem ecology. Three hours of lecture and 3 hours of laboratory per week. Prerequisites: BS 1111 and BS 1113 or BS 1214. Spring, even years.

BS 3913 Science Exam Preparation

3 credits

This course provides assistance for students preparing to take standardized exams such as the MCAT, PCAT, GRE, and others. Students will complete practice tests, analyze their results, review critical subject material, and learn test-taking skills. Practice exams will be chosen individually to match the needs of specific students. This course is pass/fail only. Credits from this course **do not** count as upper level biology electives or towards other degree requirements. May or Summer, on demand.

BS 4213 Pharmacology

3 credits

The study of drugs, their mechanisms of action at the system, cellular, and molecular levels and effects on human behavior. Three hours of lecture per week. Prerequisites: BS 1111 and BS 1113, or BS 1214 and BS 1224. Winter online, on demand.

BS 4214 Embryology and Developmental Biology

4 credits

The study of the basic principles of the development of all levels of organization of organisms. Three hours of lecture and two hours of laboratory per week. May also be taken as a three-credit course without the lab. Prerequisites: BS 1111 and BS 1113 or BS 1214. On demand.

BS 4234 Histology

4 credits

This course provides an introduction to the terminology, function, and theory of histology. In addition to studying concepts and basic techniques, students will begin to gain familiarity with the function of histology. Students will also learn to identify important tissues and structure on slides. Three hours of lecture and three hours of lab per week. Prerequisites: BS 1111 and BS 1113 or BS 1214 and 8 additional hours of biology. Spring and Summer terms online on demand.

BS 4244 Neuroscience

4 credits

An introduction to the biological foundations of behavior and the relationship between biology and psychology. Prerequisite: PY 1113. Cross-listed as PY 4244. Fall.

BS 4312 Current Controversies in Science and Christian Faith

4 credits

A discussion-based survey of current, controversial issues drawn from recent academic literature, relevant to Christians trained in the sciences. Students will engage with weekly topics through short lectures, weekly readings, multimedia, and class presentation. Discussion and written reflection will require flexible and critical thinking, ethical and theological analysis, and a willingness to encounter abstract or technical scientific and philosophical ideas. Prerequisite: BS 2413 Genetics or Permission of Instructor. Spring.

BS 4511-4 Natural Sciences Internship

1-4 credits

This course is designed to allow students to gain experience in their chosen professional field.

Students interested in an internship must speak with the instructor at least one semester in advance to discuss arrangements. Prerequisites depend upon the field of interest to the student. While the instructor will attempt to assist students in finding placement, students are ultimately responsible for finding a site at which to work.

Students are expected to spend approximately 25 hours at the internship site per credit hour earned, although the details of course requirements must be worked out individually for each specific situation. Students may take 1-3 credits in a semester. A maximum of 2 credits may be used towards the requirements for a biology major. Fall, Spring, May Term, Summer.

BS 4812 Biology Seminar **2 credits**

Reports, readings, and discussions on materials relevant to the biological sciences. Must be a biology major or minor with 24 hours of coursework in major area or permission of the instructor and department chair. A maximum of 2 credits may be used towards the requirements for a biology major. Spring.

BS 4831-4 Special Problems in Biology **1-4 credits**

Individual work under faculty supervision, designed to serve as an introduction to research and supplement regular organized courses in biology. Prerequisite: 24 hours of biology courses, submission of proposal of study, and prior permission of the advisor and of the department chair; Experimental Psychology (PY 3134) and Statistics (PY 3334) or 4 credits of Introductory Special Problems. A maximum of 2 credits may be used towards the requirements for a biology major. On demand.

BS 4932 Special Topics in Biology **2 credits**

Reports, readings, and discussions on materials relevant to the biological sciences focused on a particular topic. Must be a biology major or minor with 24 hours of coursework in the major area or permission of the instructor and department chair. A maximum of 2 credits may be used towards the requirements for a biology major. Fall.

CHRISTIAN EDUCATION (CE)

CE 1133 Principles of Church Recreation **3 credits**

An introduction to the interpretation, objectives, history, and philosophy of recreation in the church and its relationship and contribution to the total church ministry. An investigation of leisure and a survey of the various areas of church recreation are included. On demand; Summer.

CE 2133 The Disciple-Making Church **3 credits**

An introduction to the church's mission to make disciples. Includes the study of the purposes, practices, methodologies, principles, and evaluation procedures a local church may use in achieving the Great Commission. Fall, even years.

CE 31123 Introduction to Children's Ministry **3 credits**

A study of the development of the church's ministry to children, birth through sixth grades. This study includes the spiritual development of children in light of their overall development, the child's world (home, family, school, and media), and the organizations through which a church will conduct children's ministry. Spring, even years.

CE 3173 Introduction to Adult and Family Ministry**3 credits**

This course is an introduction to adult and family ministry in the local church. The focus includes understanding the development, spiritual formation, evangelism, discipleship, and training of adults for kingdom service. How to design and evaluate effective ministry programs for adults is discussed in light of supporting families.

CE 3153 Church Administration**3 credits**

A study of administration procedures and principles in the local church. Consideration is given to such matters as duties and relationships of church offices, committees and staff members, constitutions and by-laws, and budgeting. Spring, even years.

CE 3163 Principles of Christian Teaching**3 credits**

A study of the practice of Christian teaching in the local church: how to write a lesson plan, how to prepare for a teaching session, how to teach a lesson, how to evaluate the learning outcomes. The course will focus on teaching to the cognitive, affective, and psycho-motor domains, learning styles, learning environment, and the role of the Holy Spirit in Christian teaching. Fall, odd years.

CE 4113 Introduction to Youth Ministry**3 credits**

An introductory study in the historical development of youth ministry with a critical emphasis in the formation of a Biblical theology and philosophy of ministry to adolescents. Attention will be given to the related study of contemporary postmodern culture, understanding the unique needs of adolescents, and the application of basic programming models of ministry to youth in grades 6-12. Spring, even years.

CE 4123 Advanced Youth Ministry**3 credits**

This course is an advanced study in the Biblical theology and philosophy of youth ministry. Special attention will be given to educational methods of spiritual formation in adolescents and management principles of youth ministry. In addition, the course will focus on the critical ministry strategies of leadership development, ministry praxis, and related special issues in youth ministry. Prerequisite: RE 4113. On demand.

CHEMISTRY (CH)**CH 1154 General Chemistry I****4 credits**

Atomic and nuclear structure, periodic law, chemical bonding, gaseous state of matter and thermodynamics. Three hours of lecture and three hours of laboratory per week. Prerequisite: MT 1133. Fall.

CH 1164 General Chemistry II**4 credits**

Studies of the liquid and solid states of matter, carbon and its compounds, and biochemistry. Three hours of lecture and three hours of laboratory per week. Prerequisite: CH 1154. Spring.

CH 2001-4 Introductory Special Problems in Chemistry**1-4 credits**

This course provides an introduction to research skills in chemistry. May be repeated for 1-4 credit hours. A maximum of 2 credits may be used towards the requirements for a biology major. Prerequisite: Permission of the advisor and of the department chair. On demand.

CH 2234 Introductory Organic Chemistry**4 credits**

Designed to meet the needs of students of agriculture, home economics, nursing, biological science, or other areas of study where a vigorous treatment of organic chemistry is not required. Three hours of lecture and three hours of laboratory per week. Prerequisite: CH 1154. On demand.

CH 3144 Intro to Organic & Biochemistry**4 credits**

Organic and biochemistry topics related to physiology and the health-related sciences. A required course for several allied-health degrees, this course is an introduction to the structural formulas and reactions of organic molecules followed by chemistry of biological substances, including their metabolism. Lecture (3 hours) and laboratory (1 hour) instruction per week. Prerequisite: Grade of C or better in CH 1154. (Note: some programs may require B or better for transfer into their program)

CH 3154 Organic Chemistry I**4 credits**

The study of the compounds of carbon, emphasizing the relationship between structure and reactivity. Introduction to reaction mechanisms, stereochemistry and spectroscopy. Three hours of lecture and three hours of laboratory per week. Prerequisite: CH 1164. Fall.

CH 3164 Organic Chemistry II**4 credits**

The study of fundamental groups with an emphasis on the reaction mechanisms, determination of molecular structure and synthesis of organic compounds. Three hours of lecture and three hours of laboratory per week. Prerequisite: CH 3154 (Organic Chemistry I). Spring.

CH 3214 Biochemistry**4 credits**

An introduction to the organic structure of living systems. Concepts dealing with proteins, enzymes, metabolism and biosynthesis. Three hours of lecture and three hours of laboratory per week. Prerequisites: BS 1111, BS 1113 and CH 3164. Cross-listed as CH 3214. Spring, odd years.

CH 4001-4 Special Problems in Chemistry**1-4 credits**

Individual work under faculty supervision, designed to serve as an introduction to research and supplement regular organized courses in chemistry. Prerequisite: Submission of proposal of study, and prior permission of the advisor and of the department chair; Experimental Psychology (PY 3134) and Statistics (PY 3334) or 4 credits of Introductory Special Problems. May be repeated for 1-4 credit hours. A maximum of 2 credits may be used towards the requirements for a biology major. On demand.

CRIMINAL JUSTICE (CJ)**CJ 1111 Prior Professional Experience****1 credit**

Students may earn up to 15 semester credit hours based on approved credit earned from years of experience and/or continuing education in fields related to law enforcement, public safety, military investigative services, emergency services, etc. Documentation must be submitted by the student and evaluated by the director of Criminal Justice to determine the appropriate credit award. *May be repeated.*

CJ 1112 Prior Professional Experience**2 credits**

Students may earn up to 15 semester credit hours based on approved credit earned from years of experience and/or continuing education in fields related to law enforcement, public safety, military investigative services, emergency services, etc. Documentation must be submitted by the student and evaluated by the director of Criminal Justice to determine the appropriate credit award. *May be repeated.*

CJ 1113 Prior Professional Experience**3 credits**

Students may earn up to 15 semester credit hours based on approved credit earned from years of experience and/or continuing education in fields related to law enforcement, public safety, military investigative services, emergency services, etc. Documentation must be submitted by the student and evaluated by the director of Criminal Justice to determine the appropriate credit award. *May be repeated*

CJ 2003 Principles of Criminal Justice**3 credits**

This course focuses on the formal crime control process in the United States. Students will examine the agencies and processes involved in administering justice: the police, the prosecutor, the courts, and correctional systems.

CJ 2103 Ethics in Criminal Justice**3 credits**

Students will identify and explore ethics and values in the criminal justice system, paying special attention to issues of social inequality. Discusses remedial strategies and behavior relating to unethical behavior from an individual and group perspective.

CJ 2303 Introduction to Forensic Science**3 credits**

This course gives an overview of general principles of forensic science, techniques, equipment, and methodologies as used in crime laboratories. Focus on fingerprint and firearm identification, trace evidence (hair, fiber, paint, glass) blood, DNA evidence, forensic documentation examination, crime scene kits, and forensic microscopy.

CJ 2403 Criminal Procedure I**3 credits**

In this course Constitutional aspects of criminal procedures, including investigations, arrests, search and seizures, pre-trial processes, trial rights, sentencing, and appeals. Part I focuses primarily on the rights protected by the Fourth Amendment.

CJ 3003 Criminal Procedure II**3 credits**

In this course Constitutional aspects of criminal procedures, including investigations, arrests, search and seizures, pre-trial processes, trial rights, sentencing, and appeals will be examined and discussed. Part II focuses primarily on the rights protected by the Sixth Amendment. Prerequisite: CJ 2003 Principles of Criminal Justice, CJ 2103 Ethics in Criminal Justice, & CJ 2403 Criminal Procedure I. NOTE: CJ 2403 may be taken as a Co-Requisite.

CJ 3103 Police Administration**3 credits**

This course takes an organizational management and systems approach to the study of police administration. Emphasizes the administration of various police function, organizational structures, resources management, operational techniques, professional ethics, and leadership principles and their implications for generalized and specialized units. Prerequisite: CJ 2003 Principles of Criminal Justice & CJ 2103 Ethics in Criminal Justice

CJ 3203 Community Corrections **3 credits**

This course focuses on probation, parole, and other intermediate sanctions and community treatment options. Each is examined from both punishment and treatment model perspectives.

Prerequisite: CJ 2003 Principles of Criminal Justice & CJ 2103 Ethics in Criminal Justice.

CJ 3303 Terrorism and Counterterrorism **3 credits**

This course examines the indigenous and external sources of terrorism, and declared and implied objectives or strategies operations, tactics, and the countermeasures that are created. This course will take an even closer look at prioritizing terrorism while trying to focus on other U.S.

problems and foreign policy objectives. Prerequisite: CJ 2003 Principles of Criminal Justice & CJ 2103 Ethics in Criminal Justice

CJ 3403 Criminological Theory **3 credits**

This course focuses on the various theories of crime and delinquency causation, the philosophical assumptions on which the theories rest, the policy implications of the theories, their weaknesses, and the current research on each perspective. In addition to exploring the theories, students examine the philosophical assumptions on which all theories are based while exploring the policy implications of the various theoretical perspectives, the weaknesses of each theory, and the research designed to test theories. Prerequisite: CJ 2003 Principles of Criminal Justice & CJ 2103 Ethics in Criminal Justice

CJ 4003 Comparative Justice **3 credits**

The class will examine issues related to crime throughout the world. The student will identify, analyze, and compare the criminal justice systems in the U.S. with those of other countries. The course will explain the basic worldwide philosophies of law and justice, the arrangements for crime prevention and law enforcement, and the methods of selecting judges and juries around the world.

Prerequisite: CJ 2003 Principles of Criminal Justice & CJ 2103 Ethics in Criminal Justice

CJ 4103 Juvenile Justice **3 credits**

Theoretical foundations of delinquency causation. Historical tracing of the American juvenile justice system, including the juvenile court and its jurisdiction, police interaction with juveniles, and treatment and correctional strategies for young offenders; along with examination of prevention and treatment approaches will all be covered in this course. Prerequisite: CJ 2003 Principles of Criminal Justice & CJ 2103 Ethics in Criminal Justice

CJ 4203: Crisis Management **3 credits**

The course develops managerial skills in crisis avoidance, management, and recovery. Students learn how to respond to situations creating danger to organizations, their employees, and the public. Prerequisite: CJ 2003 Principles of Criminal Justice & CJ 2103 Ethics in Criminal Justice

CJ 4303 Community Policing **3 credits**

This class explores how community policing is both a philosophy and an organizational strategy that allows police and community residents to work closely together in new ways to solve the problems of crime, fear of crime, physical and social disorders, and neighborhood decay.

Prerequisite: CJ 2003 Principles of Criminal Justice & CJ 2103 Ethics in Criminal Justice

CJ 4403 Diversity in Criminal Justice**3 credits**

This course examines the interrelationship of race, class, and gender with the criminal justice system in law enforcement and the correctional system. Prerequisite: CJ 2003 Principles of Criminal Justice & CJ2103 Ethics in Criminal Justice

CJ 1603/CJ 1703/CJ 2603/CJ 2703/CJ 3603 Criminal Justice Internship**3 credits**

Internships must be approved by the Director and shall be in a related field to criminal justice. During an internship the student may work in a full-time or part-time, paid or not-paid capacity. Examples of qualified jobs include, but are not limited to: jailer/correctional officer, law enforcement officer, security guard, law clerk, or court advocate.

To qualify for an internship, students must meet the following requirements:

- Successful completion of CJ 2003: Principles of Criminal Justice **and** CJ 2103 Ethics in Criminal Justice.
- Have a minimum 2.0 cumulative GPA.

Students may earn up the maximum of 15 semester credit hours for this section of the program by completing an internship. One semester credit hour is equal to 45 hours of on-site, documented, internship work experience, with a total of 135 contact hours equaling one internship course. May be repeated for a maximum total of 15 hours credit

COMPUTER SCIENCE (CS)

CS 2113 Management Information Systems**3 credits**

Study of the indispensable role of information systems in business operations, management decision-making and the strategic success of organizations. Goal is to help students become managerial end-users who can propose and participate developing information system solutions to business problems. Spring.

DATA PROCESSING (DP)

DP 1013 Word Processing**3 credits**

This course will begin with the fundamentals of mastering the computer keyboard by touch and will end with the production of documents using current word processing software. Topics covered will include memos, papers, letters, flyers, etc. On Demand

DP 2253 Microcomputer Applications I**3 credits**

This course reinforces the application of computers to home and business functions; applications include Windows operating system, intermediate-level word processing, spreadsheet and database usage, electronic presentations and the Internet. Fall, Spring.

DP 3113 Microcomputer Applications II**3 credits**

A computer applications course providing the tools necessary for manipulating, sharing, and presenting data to support business decision making and entrepreneurship. Topical coverage includes multiple applications linking, presentation graphics, data analysis, beginning web page design, and interoffice communications. Prerequisite: DP 2253. On demand.

DP 3123 Special Problems in Data Processing**3 credits**

Individual problems in data processing arranged in consultation with the instructor. On demand.

ECONOMICS (EC)**EC 2273 Principles of Macroeconomics****3 credits**

An introduction to the analysis of the aggregate economy. Emphasizes inflation, unemployment, economic fluctuations, and international trade and finance. The fiscal role of the government and the Federal Reserve System is examined from the perspective of their combined effects on the economy. Fall.

EC 2283 Principles in Microeconomics**3 credits**

An introduction to microeconomic theory. Emphasizes supply and demand relationships, market structure, product and factor pricing, distribution and public finance. Develops the interrelatedness of business and economics. Spring.

EC 4113 Money and Banking**3 credits**

Surveys monetary policy in theory and practice. Discusses the history of the financial intermediary. Emphasizes the role of the Federal Reserve System in controlling the money supply. Prerequisite: EC 2273, EC 2283. Spring, even years.

EDUCATION (ED)**ED 2203 Introduction to Teaching****3 credits**

Introduction to Teaching is intended for students with an expressed interest in education. The course is specifically designed to inform prospective teachers of school purpose, function, and the work of school personnel. Basic aspects of school governance, law, current theories, and strategies in learning, and administration will be addressed. Three pillars of effective teaching will be emphasized: Intention, Reflection, and Growth. An FBI Background Check and Child Maltreatment Check is required as part of ED 2203 at the student's expense. Field Experiences in partnership school districts is a course requirement and is designed to give prospective teachers opportunities to observe and participate in a variety of school settings. Candidates will begin the process of collecting evidence to support their effectiveness in the categories of the WTEP Candidate Dispositions Assessment. Fall and Spring.

ED 2253 Introduction to Exceptional Child**3 credits**

A survey course that addresses the characteristics and educational needs of children who do not experience success in the classroom unless their identified needs are met. Teacher candidates will be prepared in such a manner that they will have the knowledge, skills, and incentives to appropriately identify specific behaviors, select materials and strategies, and enhance the quality of life of identified students with exceptional needs. Teacher candidates will also learn the required processes of referring, identifying, and placing a student in special education in the public school setting. They will be prepared to participate in the required special education conferences with parents and other appropriate school staff, in order to complete the process following state and federal guidelines. Field Experience in a special needs classroom is a course requirement. Fall

ED 3012 Field Experience I**2 credits**

This course is designed for students who plan to teach in an elementary or middle school setting. Students will meet one hour per week as a group and will spend twelve hours total in educational settings at area school districts. Students will observe successful teaching practices implemented by cooperating teachers, special subject teachers, or other specialists. The content focus of this course will be focused on building a classroom environment that supports the whole child. Social and emotional aspects of learning, along with cooperative learning strategies will be studied in depth. The class includes demonstration and discussion of content and reflective review of field based observations and experiences. Through completion of activities and assignments in this course, students will refine their practice of becoming teachers who are intentional, reflective, and growing. Fall

ED 3042 Field Experience II**2 credits**

This course is designed for students who plan to teach in an elementary or middle school setting. Students will meet one hour per week as a group and will spend twelve hours total in educational settings at area school districts. Students will observe successful teaching practices implemented by cooperating teachers, special subject teachers, or other specialists. The content focus of this course will be focused on building a classroom environment that supports the whole child. Social and emotional aspects of learning, along with cooperative learning strategies will be studied in depth. The class includes demonstration and discussion of content and reflective review of field based observations and experiences. Through completion of activities and assignments in this course, students will refine their practice of becoming teachers who are intentional, reflective, and growing. Spring

ED 3053 Emergent Literacy**3 credits**

Emergent Literacy focuses on how to teach the skills required for proficient reading and writing. Candidates will experience and learn effective concepts, theories, methods, including materials, strategies, and organization to meet the needs of all learners. Focus will be placed on foundational knowledge in the areas of phonological awareness, phonemic awareness, phonics, and assessment. Candidates will experience and learn the teacher's role in providing explicit explanation, modeling, guided practice, and independent practice opportunities. A case study will be conducted so that candidates can apply the knowledge gained in class to a classroom setting. An Arkansas DESE approved Science of Reading proficiency pathway is embedded into this course. Spring.

ED 3133 Social Studies: K-6**3 credits**

This course will prepare teacher candidates to teach social studies concepts based upon the Arkansas Curriculum Standards. The emphasis of this course will be on planning and implementing social studies standards effectively. Teacher candidates will create presentations and lessons reflecting upon the Arkansas Social Studies Standards and Disciplinary Literacy Standards. This course will provide opportunities for teacher candidates to observe local educators teaching social studies throughout a variety of content areas. The content of this course will include the importance of developing relationships with students that lead to relevant and rigorous instruction. It will also help candidates recognize and plan for learning differences, develop authentic methods of assessment, and methods to integrate social studies in other content areas. Teacher candidates will gain resources to successfully integrate technology into their instruction. Fall

ED 3163 Social Studies: 4-8**3 credits**

This course will prepare teacher candidates to teach social studies concepts based upon the Arkansas Curriculum Standards. The emphasis of this course will be on planning and implementing social studies standards effectively. Teacher candidates will create presentations and lessons reflecting upon the Arkansas Social Studies Standards and Disciplinary Literacy Standards. This course will provide opportunities for teacher candidates to observe local educators teaching social studies throughout a variety of content areas. The content of this course will include the importance of developing relationships with students that lead to relevant and rigorous instruction. It will also help candidates recognize and plan for learning differences, develop authentic methods of assessment, and methods to integrate social studies in other content areas. Teacher candidates will gain resources to successfully integrate technology into their instruction. Fall

ED 3233 Reading Instruction: K-6***3 credits**

Reading Instruction: K-6 builds on the foundational knowledge from Emergent Literacy. This course focuses on how to teach the skills required for proficient reading and writing. Candidates will experience and learn effective concepts, theories, methods, including materials, strategies, and organization to meet the needs of all learners. Focus will be placed on foundational knowledge in the areas of structural analysis, vocabulary, comprehension, fluency, writing, and assessment. Candidates will learn the teacher's role in providing explicit explanation, modeling, guided practice, and independent practice opportunities. Class Time will be spent discussing learning gained and bringing the theories and information presented in the reading to life by the modeling of activities for the classroom. At the end of this course, candidates will demonstrate proficiency in knowledge and practices of scientific reading instruction. A case study will be conducted so that candidates can apply the knowledge gained in class to a classroom setting. An Arkansas DESE approved Science of Reading proficiency pathway is embedded into this course. Fall

ED 3333 Language Arts and Literature: K-6**3 credits**

This course focuses on how to foster a love for language and literature in the elementary and mid-level classroom. The course exposes candidates to practices that will develop proficient reading and writing. Candidates will experience and learn effective concepts, theories, methods, including materials, strategies, and organization to meet the needs of all learners. Focus will be placed on building stamina, independent reading, oral language, comprehension, fluency, grammar, writing, and assessment. Candidates will learn the teacher's role in providing explicit explanation, modeling, guided practice, and independent practice opportunities. At the end of this course, candidates will demonstrate knowledge and practices of effective reading, language, and writing instruction. Spring

ED 3343 Language Arts and Literature: 4-8**3 credits**

This course focuses on how to foster a love for language and literature in the elementary and mid-level classroom. The course exposes candidates to practices that will develop proficient reading and writing. Candidates will experience and learn effective concepts, theories, methods, including materials, strategies, and organization to meet the needs of all learners. Focus will be placed on building stamina, independent reading, oral language, comprehension, fluency, grammar, writing, and assessment. Candidates will learn the teacher's role in providing explicit explanation, modeling, guided practice, and independent practice opportunities. At the end of this course, candidates will demonstrate knowledge and practices of effective reading, language,

andwriting instruction. Spring

ED 4113 Study of the School

3 credits

A capstone course completed during the pre-clinical transition point the semester immediately before the internship semester. The course is designed to challenge the assumptions of current educational practice, build knowledge of professional resources for continued growth as an educator, build a plan for resilience in the field of education, and prepare candidates to function in a PLC at Work environment. Course requirements include the Diverse Learner Project clinical experience, four days of pre-clinical field experiences, three hours of school board field experience, FERPA training, and Apple Teacher Certification. Fall and Spring.

ED 4133 Measurement and Evaluation in the School

3 credits

A capstone course completed during the pre-clinical transition point the semester immediately before the internship semester. The course is designed to prepare teacher candidates to analyze, select, and design authentic assessments for the K-12 classroom. Teacher candidates will develop both formative and summative assessments aligned with standards-based learning objectives and use assessment data to determine next steps in classroom instruction. Teacher candidates will develop an understanding of the backward design model and apply it to create effective, standards-aligned assessments that will provide data to drive instruction in the classroom. Connecting the use of data to inform instruction to the Professional Learning Communities (PLC) at Work process and the critical nature of data in cohort schools is a focus of the course. Course requirements include four days of pre-clinical field experiences and a backward design project. Fall and Spring.

ED 4173 Reading in the Content Area

3 credits

A course in which an investigation is made of diagnostic and prescriptive instructional methods. Emphasis is on promoting reading success in each content area text. Designed to prepare teachers to teach math, science, language, literature, and social studies content specific vocabulary, skills of interpretation, and strategies for comprehension and understanding. A case study with a specific student will include interaction, observations, data gathering, analysis, and documentation requiring a minimum of ten hours of interaction. Spring.

ED 4183 Integrated Methods

3 credits

A course in which the broad field of evaluation and assessment is investigated regarding student and school progress. Emphasis is on the acquisition of skills and knowledge needed to be a competent consumer and producer of measurement and evaluation tools and techniques. Field experience in a variety of school settings is a course requirement. Fall and Spring.

ED 4333 Educational Technology

3 credits

This course is designed for students pursuing an Arkansas teaching license in elementary, middle level, and secondary education. The course is aligned with the ISTE standards and prepares educators to utilize a variety of online tools to facilitate instruction in both in-person and virtual teaching environments. Candidates will conduct a virtual teaching field experience in a partner school district as a course requirement. Candidates will complete the modules for Google Teacher Certification and take the Google Certification Exam at their expense. Fall and Spring.

ED 4526 Clinical Internship I

6 credits

A capstone course that launches candidates into the teaching profession through immersion in

the lower gradeplacement of their degree program area. Interns will gain experience facilitating instruction, assessment, and classroom management under the supervision and direction of the university supervisor and a cooperating teacher in a partner K-12 public school. Fall and Spring.

ED 4536 Clinical Internship II

6 credits

A capstone course that launches candidates into the teaching profession through immersion in the upper gradeplacement of their degree program area. Interns will gain experience facilitating instruction, assessment, and classroom management under the supervision and direction of the university supervisor and a cooperating teacher in a partner K-12 public school. Fall and Spring.

ED 4603 Internship Seminar

3 credits

The internship seminar course is required to run concurrently with clinical internship for teacher candidates in all undergraduate education programs in the Williams Teacher Education Program. During the internship semester, Williams teacher education interns will return to campus for required professional development, teacher portfolio development, and science of reading awareness training on specified seminar dates. Course requirements include an Impact on Student Learning Action Research Project, completion of all DESE required Professional Development, and completion of the DESE approved Science of Reading Awareness training. Clinical internship seminar is required to meet graduation and Arkansas teacher licensure requirements for interns in all undergraduate education programs. Fall and Spring.

ENGLISH (EN)

EN 1101 Writing Lab for Composition I

3 credits

This lab functions as a supplement to Composition I (EN 1113) designed to provide additional focused help toward success in Freshman Composition I, including the development of written communication, reading, and critical thinking skills. Prerequisites required: Students who scored an 18 or below on the English section of their ACT or who did not take the ACT will be enrolled in this course as a co-requisite with EN 1113. Fall

EN 1113 Composition I

3 credits

Emphasis on the development of effective written communication skills and critical thinking skills. The development of these skills is enhanced by the reading and analysis of model essays ranging across the curriculum. Fall, Spring.

EN 1123 Composition II

3 credits

Continued emphasis on the development of effective written communication skills and critical thinking skills begun in EN 1113. In addition, EN 1123 focuses on research skills and literary analysis culminating in a research paper based on literature. The English Proficiency Exam will be administered in EN 1123. Prerequisite: Completion of English Composition I with a grade of “C” or better. Fall, Spring.

EN 2213 Masterworks of World Literature I

3 credits

Selected readings from both eastern and western authors from Gilgamesh and Homer through Shakespeare. Prerequisite: EN 1113 and 1123 with a grade of “C” or better. Fall, Spring.

EN 2223 Masterworks of World Literature II

3 credits

Selected readings in both eastern and western authors from the Seventeenth century to the

present. Prerequisite: EN 1113 and 1123 with a grade of “C” or better. Fall, Spring.

EN 3243 Adolescent Literature **3 credits**
Selected readings in young adult literature, from the eighteenth and nineteenth centuries to the present, with emphasis on post-1950 works. Students undertake independent reading in addition to the assigned works. Prerequisite: Three hours of World Literature. Spring, odd years.

EN 3113 Narnia & Middle Earth **3 credits**
Study of the fiction and non-fiction of C. S. Lewis and J. R. R. Tolkien. Students will read selections from *The Chronicles of Narnia*, *The Lord of the Rings*, *Mere Christianity* and other novels and essays by the two authors. Discussion will center on the works as literature but also focus on theological concepts and world views developed by Lewis and Tolkien. Prerequisite: Three hours of World Literature. Fall, odd years.

EN 3123 Pop Culture & Worldview **3 credits**
Selected examples from popular culture (film, TV, music, etc.) critiqued against readings in theology and literary theory. Prerequisite: Three hours of World Literature. Spring, even years.

EN 3133 Southern Literature **3 credits**
Study of literature about and from the U.S. South. Students will read fiction and nonfiction, historically contextualized by multimedia texts that engage with various ways to define the South as a distinct region. Focus will be on how different perspectives of the region impact its portrayals in media, especially in literature, and our interpretation of them, as well as of ourselves. Prerequisites: Three hours of World Literature. Fall, even years.

EN 3333 English Literature I **3 credits**
Selected readings from *Beowulf* to the 18th century. Prerequisite: Three hours of World Literature. Fall, odd years.

EN 3343 English Literature II **3 credits**
Selected readings from the 18th century to the present. Prerequisite: Three hours of World Literature. Spring, even years.

EN 3353 American Literature I **3 credits**
To 1865 Major American authors, genres, and movements from the beginning through the Civil War. Prerequisite: Three hours of World Literature. Fall, even years.

EN 3363 American Literature II **3 credits**
Since 1865 Major American authors, genres, and movements from the Civil War to the present. Prerequisite: Three hours of World Literature. Spring, odd years.

EN 3633 / JL 3633 Systems of Grammar **3 credits**
Study of major grammatical systems: traditional, structural and transformational. This course is cross-listed in English and Journalism. Prerequisites: Junior or Senior standing, or consent of instructor. Fall, even years.

EN 3733 / JL 3733 Advanced Composition **3 credits**
Continued development of writing beyond the introductory level, with emphasis on advanced

stylistic techniques. Students undertake personal essays, scholarly reviews, business correspondence, formal proposals, and other genres, as well as peer reviewing. This course is cross-listed in English and Journalism. Prerequisite: Successful completion of Composition I and II; Junior or senior standing, or consent of instructor. Fall, odd years.

EN 3833 / JL 3833 Creative Writing

3 credits

Introduction to the theory of fiction and poetry; thrust of the course will be original student fiction/poetry and the work shopping thereof. This course is cross-listed in English and Journalism. Prerequisites: Successful completion of English Composition 1113 and 1123; Sophomore standing, or consent of instructor. Spring, odd.

EN 3843 / JL 3843 Advanced Creative Writing

3 credits

Advanced work in original student fiction/poetry and the work shopping thereof. This course is cross-listed in English and Journalism. Prerequisite: Successful completion of EN 3833. On Demand.

EN 4123 / SP 4123 Modern Drama

3 credits

Study of the late 19th and 20th century European and American drama. This course is cross-listed in English and Speech. Prerequisites: Junior or Senior standing, or consent of instructor. On Demand.

EN 4223 / SP 4233 Studies in Shakespeare

3 credits

Study of the tragedies, comedies, and histories of Shakespeare. This course is cross-listed in English and Speech. Prerequisite: Junior or Senior standing, or consent of instructor. Spring, odd years.

EN 4333 Modern American Poetry

3 credits

Study of American poetry from Whitman to the beat generation of the 1960s and selected contemporary poets. Prerequisite: Junior or Senior standing, or consent of instructor. On Demand.

EN 4433 Studies in the Twentieth-Century Novel

3 credits

Study of selected 20th century American and British novels. Prerequisites: Junior or Senior standing, or consent of instructor. On Demand.

EN 4533 Directed Readings in Literature

3 credits

Readings which focus on themes in literature, genre studies, particular writers, or a combination of these areas. This course will be offered on student demand or by independent study. Prerequisite: For English majors and minors of Junior or Senior standing, or consent of instructor.

EN 4633 Studies in Major Writers/Movements of Literature

3 credits

Study of major writers, groups of writers, major movements, themes, or periods of literature. This course will be offered on student demand or by independent study. Prerequisites: Junior or Senior standing or consent of instructor.

EN 4733 / JL 4733 Online Journalism

3 credits

This is a journalism course in which we'll use computers and discussions to learn about digital news production and writing. The class will include discussions on emerging media themes, such

as the ethical and legal implications of publishing online and the impact of social media on the news stream and mainstream media. This course is cross-listed in English and Journalism. Spring, even years.

EN 4933 Literary Theory and Analysis

3 credits

Seminar focusing on concepts of literary research and scholarship, with study of major literary theories and theorists a major emphasis. Prerequisite: Successful completion of Composition I and II; Junior or senior standing, or consent of instructor. Spring, even years.

FINANCE (FN)

FN 3263 Principles of Real Estate

3 credits

Study of deeds, titles, liens, leases, real estate markets, advertising, appraisals, regulatory environment, taxes and assessments, and the real estate cycle. On demand.

FN 3293 Fundamentals of Financial Management

3 credits

An introduction to financial analysis, planning, and control. Includes the study of financial statements, cash flows, working capital and budgeting. Prerequisite: BA 2253 and EC 2273 or EC 2283. Fall.

FN 4113 Capital Management

3 credits

Analysis of the management aspects relating to the inflows and outflows of permanent capital in business enterprises. Examines the management of long-term assets, long-term credit, equity and internal financing. Prerequisite: FN 3293. On demand.

FN 4213 Working Capital Management

3 credits

A short-term financial management course that focuses on cash management. The study of cash management includes material on financial institutions, payments systems, forecasting, short-term investments, borrowing, collection systems, bank products, electronic commerce, financial risk management, and international cash management. Prerequisite: FN 3293. On demand.

FN 4303 Principles of Investments

3 credits

Surveys investment risk and return principles. Develops portfolio policies for individual and institutional investors. Explains role of the investment markets and the participants within those markets. Prerequisite: FN 3293. Spring, odd years.

FN 4613 Internship

3 credits

Provides practical job experience in the financial service industry. Students will be assigned to work with a regional firm, and supervised by an experienced professional to gain real world training. Prerequisites: Junior or senior standing and permission from department chair. Fall, Spring, Summer.

FAMILY STUDIES (FS)

FS 1253 Introduction to Sociology

3 credits

An introduction to the scientific study of human behavior. Systemic principles and the sociological perspective will be utilized to understand human behavior. Students will consider how society is organized and structured, and the impact it has on people and their relationships.

Focus will be given to family, social class, race, education, and religion. Fall and spring

FS 2313 Marriage and Family Life

3 credits

This course will examine research on the current status of the family and its impact on today's society. Healthy and dysfunctional family dynamics will be examined and the impact these family patterns have on an individual's well-being. The family system will be explored within the context of the Christian Worldview. Fall and Spring

FS 2283 Introduction to Social Work & Strengths Based Approach

3 credits

Course will introduce the student to various processes, skills and the strength-based approach utilized in generalist social work practice. Basic skills in assessment, interviewing and problem solving for working with individuals, families, groups, organizations, and communities will be explored. Students will gain knowledge of services provided by social workers. Fall, Cross listed at SW 2283

FS 2323 Integration of Faith and the Helping Profession

3 credits

This course will examine the Christian worldview and its influence on the helping profession. Students will learn the importance as well as challenges of integrating faith within the helping profession. Students will learn practical ways to support and incorporate their faith into various areas of the helping profession field: graduate school, counseling, administration, Code of Ethics, and social work. Spring

FS 2333 Family Crises and Resiliency

3 credits

This course will examine various stressors and crises that impact the well-being of children and families. Attention will be given to the following: families experiencing crises, working with non-traditional families, and community resources that help meet family needs. Spring

FS 3163 Foundations and Principles of Family Systems

3 credits

This course will introduce the student to systems theory. Cybernetics, Cybernetics of Cybernetics, and General Systems Theory will be explored. Students will study the first systemic therapeutic models and demonstrate an ability to apply the early constructs to case studies. Course content includes the development and progression of systems and family of origin-based models. Prerequisites PY 1113 and SC 2253 Fall

FS 3233 Principles for Counseling Intervention

3 credits

This course will introduce counseling theories and techniques commonly used in the mental health field. Students will study theoretical paradigms, principles, techniques, application, and ethics of counseling. Students will learn effective ways to better understand the needs of clients and how to communicate to the client the various options for help that are available to them. Prerequisites: PY 1113 and SC 2253. Fall

FS 3263 Attachment and Emotional Intelligence

3 credits

This course will introduce counseling theories and techniques commonly used in the mental health field. Students will study theoretical paradigms, principles, techniques, application, and ethics of counseling. Students will learn effective ways to better understand the needs of clients and how to communicate to the client the various options for help that are available to them. Fall

FS 3413 Critical Concerns with Adolescents**3 credits**

This course will introduce students to the neuroscience of attachment and Attachment Theory. Students will learn patterns of attachment across the lifespan, relevant development theories, challenges of adolescence, and adult attachment styles and relationships. Students will explore how different attachment issues may manifest at different stages of life and practice implications for conducting counseling sessions. This course will introduce students to the Emotionally Focused Therapy Model.

FS 4113 Family Life Education**3 credits**

This course will introduce the student to the competencies, broad education base, and skills required to administer a variety of family education programs. Students will learn the process of designing, implementing, and evaluating an enrichment program. Spring

FS 4123 Family Systems II**3 credits**

This course will introduce the student to systemic models developed after 1970. Students will learn the overarching paradigm and various techniques for each model. Students will examine and discuss how each systemic model fits within a Christian worldview.

FS 4213 Group Dynamics and Experiential Education**3 credits**

Students will explore theories and principles of experiential education. Students will learn important constructs that support a successful adventure therapy program. Students will have opportunities to develop, lead and evaluate adventure education experiences.

FS 4253 Working with the Traumatized Child**3 credits**

This course will introduce the student to the Traumatized Child. The course is designed to help the student identify and effectively assess children affected by stress, trauma and/or violence. A major emphasis will be the systemic framework in which the traumatized child lives. Students will obtain an understanding of how trauma effects the child's mental and social development.

FS 4313-6 Child & Family Services Internship**3 credits**

Prerequisite: 60 hours and/or permission from advisor; Internships may be available for qualified students in a variety of academic, social service and ministerial settings. The Family Studies and Social Services internship is designed to complement course study for students interested in the helping profession field. The primary purpose of the Family Studies and Social Services internship is to help students reflect on theory and practice and how it applies to their placement. The internship will provide practical, supervised experience within a public or private social service or counseling agency or a ministry specific position attached to a church. The student is limited to three credits within the same position or agency. One credit hour requires 40 supervised hours of work. Not more than three credits may count toward a minor.

GEOGRAPHY (GE)**GE 3253 World Geography****3 credits**

A survey course designed to familiarize the student with geographic regions of the world as well as the unique cultural aspects of those regions. Spring

GENERAL SCIENCE (GS)

GS 1013 Aquaponics I

3 credits

Basic concepts in biological systems and methods for integrated science of aquaponics. The online course will include lectures with daily discussion sessions and two weekend on-campus required labs. May/Summer

GS 3014 Aquaponics II

3 credits

Advanced knowledge and concepts in aquaponics system design and production. The online course will include lectures with daily discussion sessions and four weekend on-campus required labs. May/Summer

GS 3213 Science for Teachers: K-6

3 credits

Material and methods of teaching elementary school science. Includes an overall view of the role of science in the development of modern society. Prerequisite: one course in the physical sciences and one course in the biological sciences. Fall.

GS 3233 Science for Teachers: 4-8

3 credits

Material and methods of teaching middle school science. Includes an overall view of the role of science in the development of modern society. Prerequisite: one course in the physical sciences and one course in the biological sciences. Fall.

GS 3324 Environmental Science and Ecology

3 credits

The study of basic ecological concepts and the most current topics concerning the environment. Three hours of lecture and two hours of laboratory per week. Prerequisites: BS 1113, or BS 1214. Fall.

COE HONORS PROGRAM (HN)

HN 3113 Honors Arkansas Research Scholars Course

3 credits

This course is organized collaboratively among member institutions of Honors Arkansas around a theme and content provided in a hybrid format of onsite guidance and online lectures and/or discussions. It will involve a semester research project along with field trips, local research, public presentations, and partnership with Honors students at other institutions. Enrollment is restricted to current Coe Scholars. On demand.

HEALTH STUDIES (HS)

HS 1003 Introduction of Healthcare

3 credits

This course provides an introduction to important issues in modern healthcare, from both patient and healthcare provider perspectives. The course will include sections on functioning as a health care professional, promoting effective communication; the use of evidence based healthcare, the role of insurance companies, the roles of Medicare and Medicaid (including the Centers for Medicare and Medicaid Services), initiatives to improve healthcare delivery and quality of care, current events in healthcare, and the unique needs of elderly patients. Throughout the course, there will be discussion of the process of scientific research, the use of medical terminology, and interpreting medical writing and test results. Students will problem solve from perspective of clinicians and of patients, with particular emphasis on the challenges faced by older patients. The

course will include practical guidance to help students navigate the medical system, including effectively communicating with providers, handling complaints, and resolving billing issues. Prerequisite: BS 1121 (can be taken concurrently) On Demand.

HS 2013 Basic Human Nutrition

3 credits

Basic concepts of nutrition, normal nutrition and metabolism as well as factors that have an impact upon nutritional practices. Special attention to age-related nutritional needs and the impact of nutrition on health status on the older and elderly adult population. Permission of the instructor required. On Demand.

HS 4511-3 Health Sciences Internship

1-3 credits

This course is designed to allow students to gain experience in their chosen professional field. Students may take 1-3 credits in a semester. The course may be taken again for a maximum of six credits during a maximum of two semesters. A maximum of 3 credits may be used towards the requirements for a health studies- gerontology emphasis major. Permission of the instructor required. On Demand.

HS 4812 Health Sciences Seminar

2 credits

Reports, readings, and discussions on materials relevant to health sciences. This course emphasizes important current issues in health sciences and healthcare. However, the primary purpose of this course is to develop each student's ability to think scientifically and to clearly present those thoughts. Permission of the instructor required. Senior status required. On Demand

HISTORY (HT)

HT 1133 Western Civilization I

3 credits

This course surveys the development of western civilization from the Sumerians to the era of the Protestant Reformation. Students will review the artistic, philosophical, religious, political, and scientific characteristics of the cultures surveyed in this course. Fall, Spring.

HT 1143 Western Civilization II

3 credits

This course surveys the development of western civilization and its interaction with major world communities and cultures from the Protestant Reformation to the end of the Cold War. Students will review the artistic, philosophical, religious, political, and scientific characteristics of the cultures surveyed in this course. Fall, Spring.

HT 2233 United States History Before 1865

3 credits

A study of Colonial America, the American Revolution, the early national experience, and the Civil War. Fall, Spring.

HT 2243 United States History Since 1865

3 credits

A Study of Reconstruction, westward expansion, the development of political parties, American diplomacy, economic development, and the conduct of United States wars. Fall, Spring.

HT 3033 Historical Research and Philosophy

3 credits

This course reviews important philosophical principles and concepts associated with the mature study and practice of history while reviewing the corpus of historical study that students majoring in history have undertaken at Williams. This course is also intended to sharpen the

student's research and communication skills. This course is required of all history and BSE majors. Spring, even years.

HT 3133 Church History

3 credits

A survey of the history of Christianity from its founding and early development to the present, with primary emphasis upon theological developments and the church's impact upon world civilization. On demand.

HT 3143 Latin America in the World

3 credits

This upper-level course will examine the politics, economics, and social and cultural developments of Latin America and its broader role in the Western Hemisphere and the world from the late fifteenth century to the present. Students will engage these topics through a combination of lectures, assigned readings, multi-media presentations, class discussions, quizzes, exams, and writing assignments. On Demand.

HT 3153 Modern Asia

3 credits

A study of the modern Asian history and the position and interactions of Asian nations in the contemporary international political system, including foreign policy, economic policy, government, and interaction with the United States, European Union, Russia, Japan, and other major global actors. On Demand.

HT 3163 Baptist History

3 credits

An examination of the history and heritage of the Baptist denomination from the English Baptists of early seventeenth century to the creation and development of the Southern Baptist Convention. Fall, even years.

HT 3243 Modern Africa

3 credits

This course will survey the major movements and historical and political problems in the development of the civilizations of Africa. Common myths and misconceptions about Africa held in Europe and North America will be critiqued and exposed. Typically changes since 1500 are viewed against the backdrop of challenges from abroad including European colonialism, westernization, and above all else, the Atlantic slave trade. African history will be examined from this viewpoint while also striving to make the responses of Africans and evolution of African institutions a focal point of the course. Fall, odd years.

HT 3263 Western Political Thought

3 credits

A study of western political philosophy from ancient through modern times. The works of Plato, Aristotle, Cicero, Thomas Aquinas, Machiavelli, Hobbes, Locke, Marx, and others will be examined and discussed. Taking as the core problem of politics the need for people to organize themselves within society in pursuit of common as well as individual objectives, the course examines the various norms and values offered as worthy of collective pursuit and the manner in which these norms are employed in the design of politics and society. Spring, even years.

HT 3693 The American Civil Rights Movement

3 credits

This course introduces students to the history and development of the civil rights movement in the United States. Also known as the black freedom struggle, the civil rights movement was an interracial movement that wrought significant change in America's political and social environments. This course explores the beginnings of the movement and its development

throughout the twentieth century, focusing on the two prongs of the movement: the top-down reaction of the federal government and its policies civil rights and the mass mobilization of people that exerted bottom-up pressure on the federal government to act. In addition, the roles of religion and secular ideologies are examined, as well as divisions and differences within the movement. Spring, even years.

HT 3883 Twentieth-Century Europe

3 credits

This course examines the history of Europe from the decade of the 1880's to the present. Close attention is given to the origins and impact of the two world wars, the rise of fascism and communism, the end of colonialism, the beginning and end of the Cold War, and the decline of Soviet power. On Demand.

HT 3913 The Civil War and Reconstruction

3 credits

This course is a survey of American history from 1850-1877 focusing on the Civil War and Reconstruction. The bloody conflict, its causes, and its consequences are explored from multiple perspectives, including those of individuals, of groups such as the Radical Republicans and freed African Americans, and the historians, political scientists, novelists, filmmaking and social movements that have struggled to define the war's legacy for Modern America. Spring, odd years.

HT 3933 History of Arkansas

3 credits

This course reviews the cultural, economic, and political history of Arkansas from the pre-territorial era to the present. Fall.

HT 4023 Founding the United States

3 credits

This upper-level course examines political, social, economic, cultural, religious and military developments in the era of the American Revolution and the founding of the United States. Further, it explores the meanings of the Revolution in the new United States after independence was secured, the adoption of the Constitution of 1787, and the nation's development to 1800. Fall, odd years.

HT 4033 The French Revolution and Napoleon

3 credits

This upper-level course examines the era of the French Revolution and how the events, politics, and ideas of this pivotal period played important roles in shaping the modern West and world. Spring, odd years.

HT 4043 U.S. Foreign Relations and Policy

3 credits

This upper-level course explores the major developments and ideas that have occurred in the U.S. foreign relations and policy from 1776 to present. Spring, even years.

HT 4053 Russia in the World

3 credits

This upper-level course examines Russia and its role in Eurasia and the world from the ninth century to the present. Topics will include the rise and fall of Kiev Rus, the era of Mongol imperial control, the birth and development of the Russian Empire, the rise and fall of the Soviet Union and communism, and contemporary politics and society in Russia. Fall, even years.

HT 4443 Recent U.S. History: 1919–Present

3 credits

A close examination of the political, economic, military, and social/cultural developments of the

United States from the post-World War I period through the mid-twentieth century. Course objectives include the development of historiographical and critical- and exam-writing skills. Fall, odd years.

HT 4503 Directed Readings in History

3 credits

This course is designed to provide the individual student with an intensive and rigorous reading program focused on a rather narrow topic in European history or United States history. Course requirements will be established by the faculty supervisor. Before enrolling the student must secure the approval of the appropriate instructor. On demand, with the consent of the instructor.

HT 4513 Special Studies

3 credits

This course allows students to explore an important topic in a seminar setting. Topics in special studies are selected by senior department faculty. On demand with the consent of the instructor.

JOURNALISM/COMMUNICATION ARTS (JL)

JL 1113 Basic News Writing and Reporting

3 credits

Introduces students to basic reporting and newswriting skills, including interviewing, researching public records, fact-checking and covering spot news, obituaries, speeches, court cases, public meetings and other hard news. This class includes numerous in-class and out-of-classroom reporting and writing assignments. The Associated Press Stylebook is taught. Fall, even years.

JL 2103 Intro to Mass Communication

3 credits

This course covers the role and responsibilities of the media in American society. Students will gain an understanding of specific areas of mass communication, including newspapers, television, magazines, radio, internet, movies, advertising and public relations. The course provides an overview of the evolution of mass communication and emphasizes how media messages interact with culture. Winter, odd years.

JL 2113 News Editing

3 credits

Copy editing for errors of fact and interpretation of English. Includes newspaper style, headline writing, proofreading and page makeup. Prerequisite: JL 1113. Winter, even years.

JL 3633 / EN 3633 Systems of Grammar

3 credits

Study of major grammatical systems: traditional, structural and transformational. This course is cross-listed in English and Journalism. Prerequisites: Junior or Senior standing, or consent of instructor. Fall.

JL 3733 / EN 3733 Advanced Composition

3 credits

Continued development of writing beyond the introductory level, with emphasis on advanced stylistic techniques. Students undertake personal essays, scholarly reviews, business correspondence, formal proposals, and other genres, as well as peer reviewing. This course is cross-listed in English and Journalism. Prerequisite: Successful completion of Composition I and II; Junior or senior standing, or consent of instructor. Fall, odd years.

JL 3833 / EN 3833 Creative Writing **3 credits**
Introduction to the theory of fiction and poetry; thrust of the course will be original student fiction/poetry and the work shopping thereof. This course is cross-listed in English and Journalism. Prerequisites: Successful completion of English Composition 1113 and 1123; Sophomore standing or consent of instructor. Spring, odd years.

JL 3843 / EN 3843 Advanced Creative Writing **3 credits**
Advanced work in original student fiction/poetry and the work shopping thereof. This course is cross-listed in English and Journalism. Prerequisite: Successful completion of EN 3833. On Demand.

JL 4113-6 Internship **3-6 credits**
Students will be assigned as interns in area newspapers under the supervision of the newspaper's personnel. Spring, odd years.

JL 4733 / EN 4733 Online Journalism **3 credits**
Enables students to build on reporting and writing skills while gaining the technical skills for storytelling in online platforms, such as basic web production, using digital images, and creating audio podcasts. This course is cross-listed in English and Journalism. Alternating Spring, odd years.

LANGUAGE (LG)

LG 1113 Elementary Spanish I **3 credits**
A course in beginning Spanish with emphasis on listening, speaking, reading, and writing. Language laboratory includes use of tapes related to text. Fall.

LG 1123 Elementary Spanish II **3 credits**
Continuation of Elementary Spanish I with emphasis on pronunciation and reading. Prerequisite: LG 1113 or equivalent. Spring.

LG 2213-2223 Elementary New Testament Greek **3 credits**
An intensive study of elementary Greek grammar, syntax, vocabulary, and translation, with selected readings from the Greek Testament during the second semester. Two semesters. Prerequisite: sophomore standing or consent of the instructor. Begins in the fall of even years.

LG 3213-3223 Intermediate New Testament Greek **3 credits**
After a brief review of elementary grammar and syntax, a comprehensive and more exhaustive survey of the chief features of the grammar and syntax of the Greek Testament is undertaken, using selected and extensive readings in the Greek Testament. Two semesters. Prerequisite: LG 2213-2223. Begins in the fall of odd years.

LG 3313-3323 Biblical Hebrew **3 credits**
An intensive study of the Hebrew language, covering grammar, syntax, vocabulary, and translation, with selected readings from the Hebrew Old Testament during the second semester. On Demand.

MARKETING (MK)

MK 3223 Consumer Behavior

3 credits

A focus on motivators driving consumer purchasing both on the surface and psychological motives which drive consumers at an unconscious level. Analysis will be provided of various aspects of the marketing strategy and how marketing professionals can influence varying responses from the consumer. Prerequisite EC 2283 and BA 3213. Spring, even.

MK 3233 Digital Marketing

3 credits

A study of electronic marketing and its relationship to business success in the growing age of technology. Emphasis will be placed on the effect of digital marketing as it relates to the overall marketing strategy of a company. Prerequisite: BA 3213. Spring, odd.

MK 3243 Pricing Strategies

3 credits

An aggressive examination of the study of pricing strategy as it pertains to pricing decisions, influencing customers' price perceptions, managing sales promotions and negotiations, and forecasting industry price trends. Prerequisite: BA 3213. Fall, even.

MK 4113 Marketing Management

3 credits

An overview of the various functions of strategic planning in the marketing function from a viewpoint of management. Focusing on the management and implementation of marketing strategies dealing with product, price, promotion, and place. Prerequisite: BA 3213. Fall, even

MK 4123 Retail Management

3 credits

Examines the fundamentals of retail management including diverse topics such as customer behavior, store location and strategy, and customer service. Prerequisite: BA 3213. On demand.

MK 4133 Supply Chain Management

3 credits

Introduces logistics and physical distribution and supply, and the related costs. It provides a systematic overview and analysis of the elements of logistics functions in widely varying types of industries and agencies, including handling, warehousing, inventory control and financial controls. Prerequisite: BA 3213. On demand.

MK 4143 Strategic Marketing

3 credits

Emphasizes an integration of all marketing elements in a strategic planning framework. This course will entail emphasis on strategic market management and strategic planning. The course will focus on the impact of strategic marketing decisions and how the long-term effects are typically costly and difficult to reverse. Prerequisite: BA 3213. Fall, odd.

MK 4313 Integrated Marketing Communication

3 credits

Surveys theories and practices in advertising and promotion. Includes a study of the inputs required to present a company and its products to prospective customers. Prerequisite: BA 3213. Fall, odd.

MK 4613 Marketing Internship

3 credits

Provides practical job experience in a marketing related field. Students will be assigned to work with a regional firm and supervised by an experienced professional to gain real world training. Prerequisites: Junior or Senior standing and permission from department chair. Fall, Spring, Summer.

MATHEMATICS (MT)

Note: Credit may not be earned in a departmental course that is a prerequisite for any course already completed.

MT 1123 Intermediate Algebra

3 credits

Fundamental operations, linear equations, special products and factoring, rational expressions, polynomials, functions and graphs, exponents and radicals, quadratic equations. Fall.

MT 1131 College Algebra Plus Tutorial

1 credit

Students will review lecture material from College Algebra in addition to basic mathematic procedures to enhance their understanding. The lab provides students with the opportunity to practice mathematics under the direct supervision of the instructor. Must be taken concurrently with College Algebra. Required for all students taking college Algebra with a math ACT score lower than 21 who have not earned an A or B in Intermediate Algebra. Fall and Spring.

MT 1133 College Algebra

3 credits

Quadratic equations, theory of quadratic equations, inequalities, functions, graphs, system of equations and inequalities, logarithmic and exponential functions, combinatorics and probability. Prerequisite: ACT math score of 19 or above, or successful completion of MT 1123 with a passing grade. Fall, Spring.

MT 1143 Plane Trigonometry

3 credits

Properties of the trigonometric functions and their graphs, solution of right and oblique triangles, formulas and identities, inverse trigonometric functions, trigonometric equations and conic curves. Prerequisite: Successful completion of MT 1133 or its equivalent with a passing grade. Fall.

MT 1153 Contemporary Mathematics

3 credits

An introduction to current topics in mathematics designed for liberal arts students. Emphasis is given to developing a strong conceptual understanding and appreciation for the application of mathematics in the areas of voting, fair division games, Euler and Hamilton circuits and paths, Minimum spanning trees, critical path scheduling, spiral growth and Fibonacci Numbers, the mathematics of finance, and fractal shapes. (Will not satisfy the general education requirement for the Business Administration, Track I Psychology, or Biology degrees.) Fall, Spring.

MT 2001-4 Introductory Special Problems in Mathematics

1-4 credits

This course provides an introduction to research skills in mathematics. May be repeated for 1-4 credit hours. A maximum of 2 credits may be used towards the requirements for biology major. Prerequisite: Permission of the advisor and of the department chair. On demand.

MT 2214 Calculus I

4 credits

Limits, differentiation of algebraic functions and applications, theory of the integral, and definite integral and applications. Prerequisites: Successful completion of MT 1133 and MT 1143 with a passing grade. May be used for general elective credit for a biology major. Spring.

MT 2224 Calculus II

4 credits

Differentiation of transcendental functions, integration by other methods, volumes of revolution, convergence of infinite sequence and series. Prerequisite: Successful completion of MT 2214

with a passing grade. On demand.

MT 3113 History of Mathematics

3 credits

Selected topics in the history of mathematics with an emphasis on the development of the various areas and major concepts of mathematics, and an appreciation of the people who contributed to those developments. Suitable for a general upper level elective. May not be used to satisfy the natural sciences general education requirement. Fall, odd years.

MT 3133 Math for Teachers I

3 credits

Place value and numeration systems, concept and operations of addition and subtraction, operations of multiplication and division, number theory concepts and operations, concepts and operations of fractions and decimals, graphs, data, statistics, and probability, geometric figures and relationships, measurement concepts and operations. Common Core State Standards (CCSS) for K-4 are the basis for instruction and classroom practices. Prerequisite: Successful completion of MT 1133, or MT 1153, or higher level with a passing grade. Must be an education major or receive prior permission. May not be used to satisfy the natural sciences general education requirement. Fall.

MT 3234 Calculus III

4 credits

Polar co-ordinates and equations, vectors in two- and three-dimensional space, and vector valued functions, partial differentiations, double and triple integral, differential equations. Prerequisite: MT 2224. On demand.

MT 3313 Foundations of Geometry

3 credits

A survey of Euclidean geometry that articulates the most important ideas of algebra and geometry. There is also an emphasis on explorations using GeoGebra or other geometric software. Spring.

MT 3334 Statistics

4 credits

An introduction to the quantitative interpretation of data for research purposes. Includes descriptive statistics, probability theory, hypotheses testing, chi-square, analysis of variance, correlation and linear regression. Three hours lecture and two hours laboratory per week. Prerequisite: Successful completion of MT 1133 with a passing grade. Cross-listed as PY 3334. Fall, Spring

MT 4001-4 Special Problems in Mathematics

1-4 credits

Individual work under faculty supervision, designed to serve as an introduction to research and supplement regular organized courses in math. Prerequisite: Submission of proposal of study, and prior permission of the advisor and of the department chair; Experimental Psychology (PY 3134) and Statistics (PY 3334) or 4 credits of Introductory Special Problems. May be repeated for 1-4 credit hours. A maximum of 2 credits may be used towards the requirements for a biology major. On demand.

MT 4123 Math for Teachers II

3 credits

Concept and operations of addition and subtraction, operations of multiplication and division using rational numbers, number theory concepts and operations, concepts and operations of fractions and decimals, graphs, data, statistics, and probability, geometric figures and relationships, measurement concepts and operations of two- and three-dimensional figures.

Common Core State Standards (CCSS) for 4-8 are the basis for instruction and classroom practices. Prerequisite: Successful completion of MT 1133, or MT 1153, or higher level with a passing grade. Must be an education major or receive prior permission. Spring.

MT 4613 Advanced Statistics

3 credits

This course is designed to teach the application of the statistical and research techniques learned in introductory statistics. The relationship of research design and the use of statistical procedures will be expanded on. Among the topics to be considered are the following: factorial analysis of variance (ANOVA), analysis of covariance, repeated measures ANOVA, multiple regression path analysis, and structural equation modeling (SEM). On demand.

MUSIC (MU)

MU 1001 Class Piano

1 credit

For students with no previous training in piano. Pieces in the five-finger position in various keys. Must enroll concurrently in Recital MU 1010. Fall, Spring.

MU 1010 Recital

0 credits

Recital attendance and participation in recitals. Required every semester for all music majors and minors and for all other students who enroll in applied music. Exemptions are made for Music Education students who student teach their final semester.

MU 1011 Fundamentals of Music

1 credit

Intensive study of basic notation, rhythm, meter, scales, key signatures, intervals, triads, and simple musical structures. Designed for students who do not read music and required of all music majors and minors who have not satisfactorily completed the Music Diagnostic Exam. Must complete MU 1011 with a grade of C or better to enroll in Aural Skills I MU 1111 and/or Creative and Analytical Concepts I MU 1113. **Spring.**

MU 1051 Class Voice

1 credit

A study in the fundamentals of vocal production, musical style and interpretation. A phonetic approach to English, Italian and German diction. Introduction of the International Phonetic Alphabet. Must enroll concurrently in Recital MU 1010. Fall.

MU 1101-02 Private Woodwinds

1-2 credits

Individual instruction on technique, scales, exercises, literature, and interpretation on selected instruments. May be taken four times. Must enroll concurrently in Recital MU 1010.

MU 1111 Aural Skills I

1 credit

To be taken concurrently with Creative and Analytical Concepts in Music I. Sight singing, ear-training through directed listening and dictation, and keyboard experiences which augment the written musicianship experiences. Melodic, rhythmic, harmonic structures of the early music period (ca. 800-1400). Prerequisite: Completion of Fundamentals of Music MU 1011 with a grade of C or better. Fall.

MU 1113 Creative and Analytical Concepts in Music I

3 credits

Study of music through music literature from the early music period (ca. 800-1400), with analysis of musical compositions and original compositions in the styles under study.

Prerequisite: Completion of Fundamentals of Music MU 1011 with a grade of C or better. Fall.

MU 1121 Aural Skills II

1 credit

To be taken concurrently with Creative and Analytical Concepts in Music II. Continuation of Aural Skills I, with melodic, rhythmic, and harmonic structures of the Renaissance and Baroque periods (ca. 1450-1750). Prerequisite: Completion of Aural Skills I MU 1111 with grade of C or better. Spring.

MU 1123 Creative and Analytical Concepts in Music II

3 credits

Continuation of Creative and Analytical Concepts in Music I. Study of music through music literature of the Renaissance and Baroque periods (ca. 1450-1750), with analysis of musical compositions and original compositions in the styles under study. Prerequisite: Completion of Creative and Analytical Concepts in Music I MU 1113 with grade of C or better. Spring.

MU 1141 Williams Singers

1 credit

Choral ensemble of mixed voices selected by audition. Concerts are given on and off campus, including annual spring trips. Members should be able to read music and should have had prior choral experience. Members are expected to remain in the ensemble for a minimum of two consecutive semesters, commencing with the fall semester. Three rehearsals per week. May be repeated.

MU 1201-02 Private Percussion

1-2 credits

Individual instruction in the fundamentals of playing techniques, exercises, and literature on major percussion instruments. May be taken four times. Must enroll concurrently in Recital MU 1010.

MU 1211 Handbells

1 credit

A laboratory experience in which the study of various ways of playing handbells, of handbell literature, and the care and maintenance of handbells are introduced. One hour rehearsal per week. May be repeated. On Demand

MU 1301-02 Private Brass

1-2 credits

Individual instruction on technique, scales, exercises, literature, and interpretation on selected instrument. May be taken four times. Must enroll concurrently in Recital MU 1010.

MU 1311 University Band

1 credit

Open to all WBU students by audition. Members should be able to read music and be proficient on their instrument. Will present concerts during the year as scheduled by the Director of Bands. Three rehearsals per week. May be repeated.

MU 1401-02 Private Piano

1-2 credits

Individual instruction in technique, literature, musical styles, and interpretation. May be taken four times. Must enroll concurrently in Recital MU 1010. Prerequisite: Class Piano MU 1001 or consent of instructor.

MU 1501-02 Private Voice

1-2 credits

Individual instruction of vocal production, song literature, musical style and interpretation. May be taken four times. Must enroll concurrently in Recital MU 1010. Prerequisite: Class Voice MU

1001 or consent of instructor.

MU 1601 Chorale

1 credit

A large, non-select choral ensemble from Williams and surrounding communities which performs a variety of repertoire including musicals, standard choral works, and oratorios accompanied by orchestra. One two-hour rehearsal per week. May be taken eight times for credit. Fall.

MU 1621 Piano Ensemble

1 credit

Study and performance of literature written for two or more pianists. Students should be able to play pieces on at least the intermediate to early advanced level before enrolling for piano ensemble. Prerequisite: At least two semesters of Private Piano MU 1401-02 or consent of instructor. May be repeated. Must enroll concurrently in Recital MU 1010.

MU 1801-02 Private Conducting

1-2 credits

Individual instruction in advanced conducting techniques and rehearsal procedures. To be taken by conducting principals only. May be taken four times. Must enroll concurrently in Recital MU 1010. On Demand.

MU 1901-02 Private Strings

1-2 credits

Individual instruction on technique, scales, exercises, literature, and interpretation on selected instruments. May be taken four times. Must enroll concurrently in Recital MU 1010.

MU 2101-02 Private Composition

1-2 credits

Individual instruction in the composition of original works for various media. Must enroll concurrently in Recital MU 1010. May be repeated. Prerequisite: Completion of Creative and Analytical Concepts in Music I, II and Aural Skills I, II with grade of B or better, or permission of instructor.

MU 2143 Music Appreciation

3 credits

An introduction to the elements of music, various musical forms, and stylistic periods of music. Emphasis is given to the cultivation of listening skills. Fall, Spring.

MU 2211 Aural Skills III

1 credit

To be taken concurrently with Creative and Analytical Concepts in Music III. Continuation of Aural Skills II, with melodic, rhythmic, and harmonic structures of the Classical and early Romantic periods (ca. 1750-1850). Prerequisite: Completion of Aural Skills II MU 1121 with grade of C or better. Fall.

MU 2213 Creative and Analytical Concepts in Music III

3 credits

Continuation of Creative and Analytical Concepts in Music II. Study of music through music literature of the Classical and early Romantic periods (ca. 1750-1850), with analysis of musical compositions and original compositions in the style under study. Prerequisite: Completion of Creative and Analytical Concepts in Music II MU 1123 with grade of C or better. Fall.

MU 2221 Aural Skills IV

1 credit

To be taken concurrently with Creative and Analytical Concepts in Music IV. Continuation of Aural Skills III, with melodic, rhythmic, and harmonic structures of the later Romantic and 20th Century periods (ca. 1850- present). Prerequisite: Completion of Aural Skills III MU 2211 with

grade of C or better. Spring.

MU 2223 Creative and Analytical Concepts in Music IV **3 credits**

Continuation of Creative and Analytical Concepts in Music III. Study of music through music literature of the later Romantic and 20th Century periods (ca. 1850-present), with analysis of musical compositions and original compositions in the style under study. Course will conclude with an upper-level music theory exam consisting of two parts: (1) a comprehensive written exam; (2) a listening and score study exam. Prerequisite: Completion of Creative and Analytical Concepts in Music III MU 2213 with grade of C or better. Spring.

MU 2401 Applied Brass Techniques and Methods **1 credit**

Brass lessons provide instruction on a principal instrument for music majors. Class will meet one hour per week, requiring three hours of practice preparation. Fall, odd years or on demand.

MU 2501 Applied Percussion Techniques and Methods **1 credit**

Percussion lessons provide instruction on a principal instrument for music majors. Class will meet one hour per week, requiring three hours of practice preparation. Spring, even years or on demand.

MU 2601 Applied Woodwind Techniques and Methods **1 credit**

Woodwind lessons provide instruction on a principal instrument for music majors. Class will meet one hour per week, requiring three hours of practice preparation. Fall, even years or on demand.

MU 2813 Choral Conducting I **3 credits**

A course in the fundamentals of conducting, utilizing choral anthems for study. Includes score reading, score study, and rehearsal techniques. Prerequisite: Fundamentals of Music MU 1011 or consent of instructor. Fall, even years.

MU 3101-02 Private Woodwinds **1-2 credits**

Continuation of MU 1101-02. Must enroll concurrently in Recital MU 1010. May be repeated. Prerequisite: At least four semesters of Private Woodwinds MU 1101-02 or consent of instructor.

MU 3201-02 Private Percussion **1-2 credits**

Continuation of MU 1201-02. Must enroll concurrently in Recital MU 1010. Prerequisite: At least four semesters of MU 1201-02 Private Percussion or consent of instructor.

MU 3113 Music and Worship **3 credits**

A study of the meaning of worship and the role of music in worship with an emphasis on relating music to the total ministries of the church. Students are introduced to the church music program of the local church and denomination. cross-listed as RL 3113; On Demand.

MU 3213 Music History I **3 credits**

Historical survey of western music from the Middle Ages through the Baroque period, based on the study of important composers and their style of composition. Prerequisite: Music Appreciation MU 2143 or consent of instructor. Fall, odd years.

- MU 3223 Music History II** **3 credits**
Continuation of Music History II with study focused on Classical period to present. Prerequisite: Music History I MU 3213 or consent of instructor. Spring, even years.
- MU 3301-02 Private Brass** **1-2 credits**
Continuation of MU 1301-02. Must enroll concurrently in Recital MU 1010. May be repeated.
Prerequisite: At least four semesters of Private Brass MU 1301-02 or consent of instructor.
- MU 3333 Intro to Music Technology** **3 credits**
Introduction to technology that music graduates will encounter in their professional lives. Software study includes Finale® Music Notation Software, and Garage Band. Students will also study general concepts in the use of sound production equipment, including using a sound board and best recording CCLI and ASCAP licenses.
- MU 3322 Conducting II** **2 credits**
A course designed to equip the student to conduct various types of choral music which may include larger works accompanied by instrumental ensemble or orchestra. Prerequisite: Choral Conducting I MU 2813 or consent of instructor. On Demand
- MU 3401-02 Private Piano** **1-2 credits**
Continuation of MU 1401-02. Must enroll concurrently in Recital MU 1010. May be repeated.
Prerequisite: At least two semester hours of Private Piano MU 1401-02 or consent of instructor.
- MU 3501-02 Private Voice** **1-2 credits**
Continuation of MU 1501-02. Must enroll concurrently in Recital MU 1010. May be repeated.
Prerequisite: At least four semesters of Private Voice MU 1501-02 or consent of instructor.
- MU 3622 Instrumental Conducting** **2 credits**
A course which focus on the skills required in the conducting of instrumental-specific ensembles. Students will study intermediate conducting techniques, including use of gestures and tempo control, score study, and the transposition of instruments applicable in the conductor's score. Spring, odd years.
- MU 3801-02 Private Conducting** **1-2 credits**
Continuation of MU 1801-02. Must enroll concurrently in Recital MU 1010. Prerequisite: At least four semester hours of Private Conducting MU 1801-02 or consent of instructor. On Demand.
- MU 3901-02 Private Strings** **1-2 credits**
Continuation of MU 1901-02. Must enroll concurrently in Recital MU 1010. May be repeated.
Prerequisite: At least four semester hours of Private Strings MU 1901-02 or consent of instructor.
- MU 4101-02 Private Composition** **1-2 credits**
Continuation of MU 2101-02. Must enroll concurrently in Recital MU 1010. May be repeated.

Prerequisite: At least two semester hours of Private Composition MU 2101-02 or consent of instructor.

MU 4113 Methods and Resources I **3 credits**

A practical course for music teachers, emphasizing selection of music and methods of teaching music to children in the elementary school. Fall, odd years.

MU 4123 Methods and Resources II **3 credits**

An examination of methods and materials employed in junior high and high school music education, both for the performance class and the general music program. Spring, even years.

MU 4211 Music Seminar I **1 credit**

This course is the first in a series of three courses that must be taken as prerequisites to Senior Project MU 4241. Prerequisites: Successful completion of applied studies during the freshman year. Must enroll in Recital MU 1010.

MU 4221 Music Seminar II **1 credit**

This course is the second in a series of three courses that must be taken as prerequisites to Senior Project MU 4241. Prerequisites: Successful completion of Music Seminar I MU 4211. Must enroll in Recital MU 1010.

MU 4231 Music Seminar III **1 credit**

This course is the third in a series of three courses that must be taken as prerequisites to Senior Project MU 4241. Prerequisites: Successful completion of Music Seminar II MU 4221. Must enroll in Recital MU 1010.

MU 4241 Senior Project **1 credit**

This course takes the form of a capstone project which may be presented as a senior thesis and/or an oral presentation. This project may be in the form of multimedia presentations, PowerPoint, video and/or music. It will be presented publicly during the last semester of the senior year. Successful completion is based on approval of the music faculty at a hearing of the entire recital/presentation at least two weeks prior to its scheduled date. Includes exit interview with music faculty. Must enroll in Recital MU 1010.

MU 4513 Special Studies in Music **3 credits**

This course allows students to explore an important topic in a seminar setting. Topics in special studies are selected by senior department faculty. On demand and with the consent of the instructor. On Demand.

MU 4602 Band Rehearsal Techniques and Methods **2 credits**

A course which provides students with a set of strategies and resources necessary for effective music instruction as a band director. Topics will range from pedagogy to rehearsal management to administering the school band program and the various expectations of school administrators. Fall, Spring, or on demand.

MU 4642 Introduction to Music Ministry **2 credits**

A study of administration procedures of a music ministry in a local church including the church-wide program of music, its basic organization, and objectives. Spring, even years.

MU 4701 Senior Recital **1 credit**
Graduation requirement for the degrees Bachelor of Arts in Music and Bachelor of Arts in Church Music. Successful completion is based on approval of the music faculty at a hearing of the entire recital/presentation at least two weeks prior to its scheduled date. Includes exit interview with music faculty. Must enroll in Recital MU 1010.

MU 4832 Development of Christian Hymnody **2 credits**
A study of the hymns of the Christian church and their use in Christian worship. Fall, even years.

HEALTH AND PHYSICAL EDUCATION (PE)

PE 1111 Volleyball **1 credit**
Introduction to the basic skills, rules and strategy in volleyball. On demand.

PE 1113 Sport Nutrition **3 credits**
This course will provide current and accurate recommendations for the role of nutrition in fitness and sport performance, as nutrition can help maximize performance, prevent injury, enhance recovery from exercise, achieve and maintain optimal body weight, improve daily training workouts and maintain overall good health. On demand with consent of instructor.

PE 1121 Physical Conditioning **1 credit**
The course includes activity related to one's physical health pertaining to: muscular strength and endurance, cardiovascular endurance, and body fat measurement. Fall, Spring.

PE 1141 Golf **1 credit**
Introduction to the basic skills, rules and strategy in golf. Fee: \$30. Fall, Spring.

PE 1161 Team Sports **1 credit**
Introduction to the basic skills, rules, and strategy in team handball, softball and soccer. Fall, Spring.

PE 2111 Badminton and Tennis **1 credit**
Introduction to the basic skills, rules, and strategy in badminton and tennis. Fall, Spring.

PE 2121 Archery **1 credit**
The course emphasizes the fundamentals of archery with attention given to techniques, rules, terminology, scoring, and safety. Fall, Spring.

PE 2213 Health and Safety **3 credits**
Principles, problems, and practices in the development of positive health behavior. Fall, Spring.

PE 2232 Concepts of Athletic Injuries **2 credits**
This course will enable the student to recognize the signs and symptoms of common athletic injuries, learn how to care for common athletic injuries, and understand the importance of risk management plans and procedures. Fall, Spring.

PE 2233 Principles of Physical Education **3 credits**
An introductory course providing insight into the perspective of physical education, professional

and vocational opportunities, and the objectives of physical education and sport. Fall.

PE 3113 Exercise Physiology **3 credits**

The physiology of exercise and its effect on human performance, literature in physical fitness, athletic training and rehabilitation, and improving work performance. Spring.

PE 3122 Rhythmical Activities for Elementary Grades **2 credits**

Development of knowledge, understanding, techniques, and skill in fundamental movement/patterns combined with beats, song, or other music. Students will be provided with a variety of fundamental movement experiences with opportunities to learn how to effectively and efficiently develop a sense of rhythm. Fall.

PE 3136 Special Topics **6 credits**

This course will examine selected special and/or contemporary issues which affect health, physical education, and sport-related careers. This is the capstone for the sports management degree and will include a 3 hour lab. Fall & Spring

PE 3213 Motor Development **3 credits**

The study and analysis of basic motor skills with emphasis on appropriate content and skill performance levels in basic game skills. Spring.

PE 3223 Adaptive Physical Education **3 credits**

A course designed to help prepare the physical educator to meet the needs of the handicapped student. Spring.

PE 4112 Theory and Practice of Coaching Basketball **2 credits**

The study of rules, strategies, methods, and techniques necessary for successful coaching. Rotation by rotation basis

PE 4122 Theory and Practice of Coaching Football **2 credits**

The study of rules, strategies, methods, and techniques necessary for successful coaching. Rotation by rotation basis

PE 4132 Theory and Practice of Coaching Volleyball **2 credits**

The study of rules, strategies, methods, and techniques necessary for successful coaching. Rotation by rotation basis

PE 4142 Theory and Practice of Coaching Baseball/Softball **2 credits**

The study of rules, strategies, methods, and techniques necessary for successful coaching. Rotation by rotation basis

PE 4152 Theory and Practice of Coaching Track and Field **2 credits**

The study of rules, strategies, methods, and techniques necessary for successful coaching. Rotation by rotation basis

PE 4162 Theory and Practice of Coaching Soccer **2 credits**

The study of rules, strategies, methods and techniques necessary for successful coaching. Rotation by rotation basis

PE 4213 Kinesiology **3 credits**

Mechanics of human movement and its application to physical activity. Fall.

PE 4223 Organization and Administration of Physical Education **3 credits**

A study of the administrative programs, practices, and procedures for elementary and secondary schools, as well as sports-related careers. Fall.

PE 4243 Health and Physical Education Methods I **3 credits**

A methods course designed to assist the prospective physical educator in developing a credible elementary health and physical education program. Spring.

PE 4313 School Health Education K-12 **3 credits**

Curriculum for and methods of teaching health education in elementary, middle, and secondary schools. Fall, Spring.

PE 4353 Health and Physical Education Methods II **3 credits**

A methods course designed to assist the prospective physical educator in developing a credible secondary health and physical education program. Fall.

PHILOSOPHY (PH)

PH 2253 Introduction to Philosophy **3 credits**

An introduction to the field of philosophy, its methods, and its problems. A study of the most prominent philosophical systems of the past and present. Fall.

PH 3213 Basic Christian Ethics **3 credits**

An introduction to the study of moral philosophy. Attention is given in the first half of the course to the construction of a personal ethic, through the insight of various philosophical methodologies. The second half of the course speaks of the Christian perspective in this construction, through the use of the Bible and Christian ethicists. The student is equipped to deal with the ethical aspects of Christian character in understanding various contemporary concerns. Cross-listed as RL 3213. Spring, even years.

POLITICAL SCIENCE (PL)

PL 2263 American Government **3 credits**

Special attention is given to the U.S. Constitution and the organization, process, and function of the national government. Fall, Spring.

PL 3143 Latin America in the World **3 credits**

This course will examine the politics, economics, and social and cultural developments of Latin America and its broader role in the world from the late fifteenth century to the present. On Demand.

PL 3153 Modern Asia**3 credits**

A study of the modern Asian history and the position and interactions of Asian nations in the contemporary international political system, including foreign policy, economic policy, government, and interaction with the United States, European Union, Russia, Japan, and other major global actors. On Demand.

PL 3243 Modern Africa**3 credits**

This course will survey the major movements and historical and political problems in the development of the civilizations of Africa. Common myths and misconceptions about Africa held in Europe and North America will be critiqued and exposed. Typically changes since 1500 are viewed against the backdrop of challenges from abroad including European colonialism, westernization, and above all else, the Atlantic slave trade. African history will be examined from this viewpoint while also striving to make the responses of Africans and evolution of African institutions a focal point of the course. Fall, odd years.

PL 3263 Western Political Thought**3 credits**

A study of western political philosophy from ancient through modern times. The works of Plato, Aristotle, Cicero, Thomas Aquinas, Machiavelli, Hobbes, Locke, Marx, and others will be examined and discussed. Taking as the core problem of politics the need for people to organize themselves within society in pursuit of common as well as individual objectives, the course examines the various norms and values offered as worthy of collective pursuit and the manner in which these norms are employed in the design of politics and society. Spring, even years.

PL 3693 The American Civil Rights Movement**3 credits**

This course introduces students to the history and development of the civil rights movement in the United States. Also known as the black freedom struggle, the civil rights movement was an interracial movement that wrought significant change in America's political and social environments. This course explores the beginnings of the movement and its development throughout the twentieth century, focusing on the two prongs of the movement: the top-down reaction of the federal government and its policies civil rights and the mass mobilization of people that exerted bottom-up pressure on the federal government to act. In addition, the roles of religion and secular ideologies are examined, as well as divisions and differences within the movement. Spring, even years.

PL 3913 The Civil War and Reconstruction**3 credits**

This course is a survey of American history from 1850-1877 focusing on the Civil War and Reconstruction. The bloody conflict, its causes, and its consequences are explored from multiple perspectives, including those of individuals, of groups such as the Radical Republicans and freed African Americans, and the historians, political scientists, novelists, filmmaking and social movements that have struggled to define the war's legacy for Modern America. Spring, odd years.

PL 4023 Founding the United States**3 credits**

This course examines political, social, economic, cultural, religious and military developments in the era of the American Revolution and the founding of the United States. Further, it explores the meanings of the Revolution in the new United States after independence was secured, the adoption of the Constitution of 1787, and the nation's development to 1800. Fall, even years.

PL 4033 The French Revolution and Napoleon**3 credits**

This course examines the era of the French Revolution and how the events, politics, and ideas of this pivotal period played important roles in shaping the modern West and world. Spring, odd years.

PL 4043 U.S. Foreign Relations and Policy**3 credits**

This course explores the major developments and ideas that have occurred in U.S. foreign relations and policy from 1776 to present. Spring, even years.

PL 4053 Russia in the World**3 credits**

This course examines Russia and its role in Eurasia and the world from the ninth century to the present. Topics will include the rise and fall of Kiev Rus, the era of Mongol imperial control, the birth and development of the Russian Empire, the rise and fall of the Soviet Union and communism, and contemporary politics and society in Russia. Fall, even years.

PL 4503 Directed Study**3 credits**

This course is designed to provide the student with an intensive and rigorous study focused on a specific topic in Political Science. Course requirements will be established by the faculty supervisor. Before enrolling the student must secure the approval of the appropriate instructor. On demand, with the consent of the instructor.

PL 4513 Special Studies**3 credits**

This course allows students to explore an important topic in Political Science in a seminar setting. Topics in special studies are selected by supervising faculty. On demand with the consent of the instructor.

PL 4593 Practicum in Political Science**3 credits**

This course provides practical, hands-on experience in an area of public service or political professions. On demand with the consent of the instructor.

PHYSICAL SCIENCE (PS)**PS 1114 Physical Science****4 credits**

A course for general education exploring the philosophy and methods of science and foundational rules governing the physical universe. This course is not intended for natural sciences major. Three hours lecture and two hours laboratory per week. Prerequisite: fulfillment of mathematics general education requirement. Recommended: basic competency in algebra at a high school level or MT 1123 (Intermediate Algebra). Fall, Spring.

PS 2204 General Physics I**4 credits**

Principles of mechanics, dynamics, energy and waves. Three hours lecture, three hours laboratory per week. Prerequisites: MT 1133 (College Algebra) and MT 1143 (Plane Trigonometry). Fall, even years.

PS 2214 General Physics II**4 credits**

Principles of thermal physics, electricity, magnetism, and optics. Three hours lecture, three hours

laboratory per week. Prerequisite: PS 2204 (General Physics I) or PS 2304 (Physics I). Spring, odd years.

PS 2304 Physics I

4 credits

Calculus-based introduction to principles of mechanics, dynamics energy and waves. Three hours lecture, three hours laboratory per week. Prerequisites MT 1143 (Plane Trigonometry), MT 2214 (Calculus). Fall, odd years.

PS 2314 Physics II

4 credits

Calculus-based introduction to principles of thermal physics, electricity, magnetism and optics. Three hours lecture, three hours laboratory per week. Prerequisites PS 2304, (MT 2224 Calculus II, recommended.) Spring, even years.

PSYCHOLOGY (PY)

PY 1113 General Psychology

3 credits

This introductory course is a prerequisite for all other courses listed below. Emphasis on the foundations and development of behavior, cognition, and emotions. Fall, Spring.

PY 2413 Positive Psychology

3 credits

A study of those aspects of psychology whose understanding can help us apply positive emotions, character strengths, happiness, forgiveness, and what it means to be made in the Image of God in our daily lives. Prerequisite: PY 1113. Spring.

PY 3103 History and Systems of Psychology

3 credits

A study of the major concepts of psychological thought in current and historical perspective. Prerequisite: PY 1113. Prerequisite: EN 1123. Fall.

PY 3113 Child Development and Learning Process

3 credits

A study of the physical, mental, emotional, social development and learning process of humans from conception to puberty, including the major theoretical approaches. Prerequisite: PY 1113. Fall.

PY 3123 Adolescent Development and Learning Process

3 credits

A study of the physical, mental, emotional, and social development and learning process of humans from puberty to adulthood, including some of the major theoretical approaches. Prerequisite: PY 1113. Fall, Spring.

PY 3133 Theories of Learning

3 credits

An examination of major theories of learning and the research bearing upon them. Emphasizes origin, influence upon contemporary psychological thought, and present applications. Prerequisite: PY 1113. Spring, Odd

PY 3141 Applied Experimental

1 credit

This course is a non-consecutive lab to accompany Experimental Psychology and which serves as a bridge between it and the presentation of that experiment in synthesis class. The class is

required of all Track I students and any Track II or Family Psychology student who has taken Experimental. The class will be divided into four parts and will meet only once a week. Prerequisite: PY 3143. Fall.

PY 3143 Experimental Psychology

3 credits

A study of the basic principles and techniques used in experimental research and the processes of interpreting and reporting results. Prerequisite: PY 1113. Spring.

PY 3153 Forensic Psychology

3 credits

This course is designed to introduce students to issues pertaining to the psychological factors relevant to the legal system including: the insanity defense, responsibility under the law, criminal profiling, eyewitness testimony and false memories, confessions, jury selection, expert psychological testimony, risk management, treatment of the mentally ill in correction institutions, and the treatment of the criminally insane. Fall, even years.

PY 3223 Social Psychology

3 credits

An examination of the major processes of social interaction at both the interpersonal level and in group settings. Emphasis is upon the development of interpersonal skills and an understanding of the structure and forces at work in groups. Prerequisite: PY 1113. Spring, even years.

PY 3253 Abnormal Psychology

3 credits

An examination of the various categories of abnormal behavior in order to help the student better understand the causes, treatment, and prevention of maladaptive behavior. Prerequisite: PY 1113. Fall.

PY 3263 Psychological Tests and Measurements

3 credits

An introduction to the theory, problems, and techniques of psychological measurement and testing, including interpretation of test results. Prerequisite: PY 1113. On Demand.

PY 3273 Advanced Positive Psychology

3 credits

This course studies the specific aspects of positive psychology; it goes more in depth and focuses on the 26 character strengths that promote well-being and happiness through the use of film and critical thinking. On Demand in May.

PY 3283 Cognitive Psychology

3 credits

This course is intended to introduce the college student to the tenets of cognitive psychology including, but not necessarily limited to a history of cognitive psychology, an examination of the basic principles and theories pertinent to the study of cognition including an exploration of perception, attention, memory, linguistics, neurocognition, thinking and intelligence, and information processing. Prerequisite: PY 1113. On Demand

PY 3323 Human Sexuality

3 credits

This course is a study of the biological, psychological and social aspects of sexuality from a Christian perspective. Critical issues directly and indirectly associated with sexual behavior are addressed. May.

PY 3333 Adult Development and Aging

3 credits

A study of the theory and research on the psychological development of adults; physical, social, personality, and intellectual development during the adult segment of the life span, with

particular attention given to the aging process. Prerequisite: PY 1113. Is also Cross-listed as SW 3333 Fall, odd years.

PY 3334 Statistics

4 credits

An introduction to the quantitative interpretation of data for research purposes. Includes descriptive statistics, probability theory, hypotheses testing, chi-square, analysis of variance, correlation and linear regression. Three hours lecture and two hours laboratory per week. Prerequisite: PY 1113. Fall, spring.

PY 3373 Substance Abuse

3 credits

This course will provide information on substance abuse issues. The goal is to provide the student with basic understanding of the developmental, physiological, psychological and social effects of substance abuse as well as historical and current treatment modalities. Is also Cross-listed as SW 3373 Winter

PY 4113 Personality Theory

3 credits

A survey and critical examination of the major historical and contemporary viewpoints advanced to explain human behavior in order to provide students with a detailed overview of the influences in the development of individual personalities. Prerequisite: PY 1113. Spring.

PY 4133 Abuse

3 credits

This course is designed to introduce the student to the critical issues involved in all forms of familial abuse within the family. Although emphasis will be upon the identification and treatment of child sexual abuse, other forms of abuse and issues related to abuse will be dealt with as well. Is Cross-list as SW 4133 Fall, even years.

PY 4213 Pharmacology

3 credits

The study of drugs, their mechanisms of action at the system, cellular, and molecular levels and effects on human behavior. Three hours of lecture per week. Prerequisite: BS 3714 or CH 3214 or PY 4244. On demand.

PY 4244 Neuroscience

4 credits

An introduction to the biological foundations of behavior, thought and feeling and to the general relationship between biology and psychology. Three hours lecture and two hours laboratory per week. Prerequisite: PY 1113. Fall.

PY 4266 Practicum in Psychology

6 credits

Practical work experiences at one of a variety of mental health institutions. Designed for exemplary students who are preparing for graduate school and further mental health work. Prerequisites: PY 1113, 3113, 3123, 3253, and consent of instructor. Depending upon the particular practicum chosen, there may be additional prerequisites. Students interested in the Practicum should contact the instructor in the fall semester forenrollment in the spring semester and in the spring semester for the summer Practicum. Spring and Summer.

PY 4413 Synthesis of Psychology

3 credits

Designed to help students synthesize the skills and information that have been gathered in all previous psychology courses. Seniors only. Spring.

PY 4503 Individual Study **3 credits**
Advanced studies of specific topics arranged by department chairman. Course may be repeated.
On demand.

PY 4513 Special Studies **3 credits**
Special topics of interest in the area of psychology. May be repeated for credit. On demand with the consent of the instructor.

PY 4523 Advanced Research and Design **3 credits**
This course is designed to integrate both research and statistical analysis of research in the production of lab research that is accepted for presentation at a professional psychological meeting for peer review. On demand.

PY 4613 Advanced Statistics **3 credits**
This course is designed to teach the application of the statistical and research techniques learned in introductory stat using R. R is an open source programming language and software environment for statistical computing and graphics. This course is taught online. Prerequisite PY 3334 or MT 3334 Statistics or their equivalent or on permission of the instructor (SEM).
On demand.

CHRISTIAN MINISTRIES (RL)

RL 1113 Bible History and Interpretation-Old Testament **3 credits**
A narrative study of the historical background and literature of the Old Testament. The material is presented with the clear intention of enabling the student to make moral and spiritual application. On demand.

RL 1123 Bible History and Interpretation-New Testament **3 credits**
A narrative study of the historical background and literature of the New Testament, including the Intertestamental Period, the life of Christ, and the early church. The material is presented with the clear intention of enabling the student to make moral and spiritual application. On demand.

RL 1133 The Christian Worldview **3 credits**
This course introduces students to the concept and constituent elements of a worldview and articulates the nature of the Christian worldview as informed by Scripture and the broader Christian tradition. Students will be expected to reflect on the implications of the Christian worldview for their personal beliefs, values, and practices. Fall, Spring.

RL1143 The Biblical Story **3 credits**
A narrative study of the historical background and literature of the Bible. The material is presented with the clear intention of enabling the student to form a Christian worldview and make moral and spiritual application. Fall, Spring.

RL 2001-3 Summer Missions Practicum **1-3 credits**
Provides supervision and evaluation of a student in a missions setting, focused particularly upon preparation for missions experience. While the majority of the course setting is on the mission field, the student will receive training in a classroom setting. Earned credit dependent upon

length of missions project. May be repeated for credit. Summer.

RL 2113 Introduction to Christian Ministry

3 credits

An introduction to the issues related to ministry including basic discipleship, the minister's call, leadership, and the relationship between ministers and their congregation and other denominational agencies. Recommended to be taken during the Freshman/Sophomore year. Fall.

RL 2143 Biblical Interpretation for Preaching and Teaching

3 credits

A study of the main methods of biblical interpretation as applied to the distinct literary genres of the Bible-- narrative, poetry, prophecy, law, wisdom, Gospel, letter, and apocalyptic--and application of this study in formulating a biblical theology to be expressed in a contemporary context through preaching and teaching. Spring.

RL 2153 Evangelism

3 credits

A study of the principles and practices of evangelism in light of the New Testament. The roles and responsibilities of both individuals and churches in evangelism are stressed, and attention is given to designing and adapting programs and procedures. Spring, odd years.

RL 3113 Music and Worship

3 credits

A study of the meaning of worship and the role of music in worship with an emphasis on relating music to the total ministries of the church. Students are introduced to the church music program of the local church and denomination, to basic hymnology, and the basic elements of hymn directing. Cross-listed as MU 3113. Spring, odd years.

RL 3123 Christian Doctrine

3 credits

A study of the great doctrines of the Bible, with particular attention given to the doctrines of God, man, sin, salvation, Christ, the church, and last things. Spring, odd years.

RL 3133 Church History

3 credits

A survey of the history of Christianity from its founding and early development to the present, with primary emphasis upon theological developments and the church's impact upon world civilization. (This course does not satisfy General Education history requirements.) Prerequisite: Western Civilization recommended. Cross-listed as HT 3133. On demand.

RL 3143 Old Testament Studies: The Writing Prophets

3 credits

An exegetical and theological study of the times, life, and thought of the writing prophets, with a detailed exegesis of selected passages or books. Fall, odd years.

RL 3163 Baptist History

3 credits

An examination of the history and heritage of the Baptist denomination from the English Baptists of the early seventeenth century to the creation and development of the Southern Baptist Convention. Cross-listed as HT 3163. Fall, even years.

RL 3213 Basic Christian Ethics

3 credits

An introduction to the study of moral philosophy. Attention is given in the first half of the course to the construction of a personal ethic, through the insight of various philosophical methodologies. The second half of the course speaks of the Christian perspective in this construction, through the use of the Bible and Christian ethicists. The student is equipped to deal

with the ethical aspects of Christian character in understanding various contemporary concerns. Cross-listed as PH 3213. Spring, even years.

RL 3243 Sermon Preparation and Delivery **3 credits**

This course introduces students to the various methods of sermon preparation and delivery, preparing students to deliver effective sermons for their respective ministry contexts. Prerequisite: RL 2143. Spring, odd years.

RL 3253 New Testament Studies: Life of Christ **3 credits**

A study of the life, ministry, and teaching of Jesus, including an examination of contemporary critical issues. Spring, odd years.

RL 3263 New Testament Studies: The Pauline Epistles **3 credits**

A historical and theological study of the life, ministry and letters of Paul, including a detailed exegesis of selected passages. Spring, even years.

RL 3273 New Testament Studies: Selected Books **3 credits**

A historical and theological study of one subdivision of the New Testament, such as the Synoptic Gospels, the General Epistles, or the Revelation, including a detailed exegesis of selected passages. On demand.

RL 3283 Old Testament Studies: Selected Books **3 credits**

A historical and theological study of one subdivision of the Old Testament such as the Monarchical period, the Wisdom Books, or the post-exilic period, including a detailed exegesis of selected passages. On demand.

RL 3313 Missiology **3 credits**

A study of the modern missions movement with an emphasis on the pragmatic approach to missions. Students are introduced to a brief history of missions, the work of the local church and denomination in missions, and the basic strategies of a missionary. Prerequisite: RL 2153 or consent of the instructor. Spring, odd years.

RL 3333 Introduction to Music Technology **3 credits**

Introduction to technology that music graduates will encounter in their professional lives. Software study includes Finale® Music Notation Software, and Garage Band. Students will also study general concepts in the use of sound production equipment, including using a sound board and best recording CCLI and ASCAP licenses.

RL 4003 Supervised Ministry **3 credits**

Provides supervision and evaluation of a student in a ministry setting, focused particularly on ministerial skills, consistency of theological doctrine, and the personhood of the minister. For Christian Ministries majors only. Prerequisite: Senior standing. Fall.

RL 4006 Supervised Hospital Ministry **3 credits**

A supervised practicum designed to help students in religion to increase proficiency in interpersonal skills and ministry in a hospital environment. The course is offered at Baptist Medical Center, Little Rock, AR. Prerequisite: Junior standing and Department approval. On demand.

RL 4013 Pastoral Ministry**3 credits**

A practical study of pastoral leadership, focusing attention upon life of the minister from the call to a church to the conclusion of a pastorate and subsequent life and service. Fall, even years.

RL 4113 Old Testament Studies: The Poetry of the Old Testament**3 credits**

An exegetical, theological, and devotional study of selected or books of poetry, with an emphasis upon their place in the life of the Hebrew people, and with a detailed exegesis of selected passages. On Demand.

RL 4123 Old Testament Studies: Pentateuch**3 credits**

An exegetical and theological study of the history and religion of Israel as expressed in the Pentateuch, with a detailed exegesis of selected passages. Fall, even years.

RL 4133 Old Testament Theology**3 credits**

A study of the thought of the Old Testament in its historical setting, with attention being given to the concrete situation in which its ideas emerged and to which these ideas were related. Attention is focused on those elements of revelation which were given to Israel during the period of the Old Testament. Consideration is given to the questions of unity, levels of development, permanent value, and the place of the Old Testament in the total scheme of revelation. Prerequisite: RL 1113 and RL 3123 or consent of the instructor. On demand; Summer.

RL 4223 New Testament Studies: Johannine Literature**3 credits**

A historical and theological study of the life, ministry and writings of John, including a detailed exegesis of selected passages. On demand; Summer.

RL 4513 Special Studies in Religion**3 credits**

Selected topics of interest in the area of religion. May be repeated for credit. On demand.

COMMUNICATION ARTS - SPEECH (SP)**SP 1111/SP 4111 Theater Workshop****1 credit**

Practical experience in theatrical productions, dealing with technical experience. May be repeated up to four times. Fall, Spring.

SP 1211/SP 4211 Acting Workshop**1 credit**

Practical experience in theatrical production, dealing primarily with performance. Open to the cast of each major play. By audition only. May be repeated up to four times. Enrollment by permission only. Fall, Spring.

SP 2113 Fundamentals of Communication**3 credits**

Communication theories and models applied to intrapersonal, interpersonal, small-group and public settings. Principles practiced in verbal and non-verbal forms. May/Summer

SP 2153 Theater Appreciation**3 credits**

General introduction and orientation to the areas of theater arts: plays and playwrights, acting, directing, designing, stage movement, and stage traditions. Fall, Spring.

SP 2183 Speech and Communication**3 credits**

Study of basic principles of oral communication with emphasis placed upon introducing the student to elementary factors of interpersonal communication. Fall, Spring.

SP 2353 Voice and Diction**3 credits**

A course for improving the use of a normal speaking voice, articulation, and pronunciation, and the study of the recognition and correction of substandard and regional elements in speech. Prerequisite: SP 2183. Fall, odd years.

SP 3253 Oral Interpretation**3 credits**

Theory and practice of reading aloud, with emphasis on the emotional and intellectual content of literature and its communication. Spring, even years.

SP 4113-6 Theater Production Techniques**3-6 credits**

Using the framework of theater production, students explore the process of translating a script into a performance. Also, students will work under the supervision of the director of theater to design, manage, or supervise a portion of a live production. Enrollment by permission only. Spring, even years.

SP 4123 / EN 4213 Modern Drama**3 credits**

Study of the late 19th and 20th century European and American drama. This course is cross-listed in English and Speech. Prerequisites: Junior or Senior standing, or consent of instructor. On Demand.

SP 4223 / EN 4213 Studies in Shakespeare**3 credits**

Study of the tragedies, comedies, and histories of Shakespeare. This course is cross-listed in English and Speech. Prerequisite: Junior or Senior standing, or consent of instructor. Spring, odd years.

SP 4933 Special Studies in Communications**3 credits**

This course allows students to explore an important topic or person in the field of communications, including speech, theatre, and/or journalism. Topics are selected by faculty. Alternating Spring, odd years.

SOCIAL WORK (SW)**SW 2283 Introduction to Social Work & Strengths Based Approach****3 credits**

Course will introduce the student to various processes, skills and the strength-based approach utilized in generalist social work practice. Basic skills in assessment, interviewing and problem solving for working with individuals, families, groups, organizations and communities will be explored. Students will gain knowledge of services provided by social workers. Fall. Cross listed as FS 2283

SW 3253 Social Justice and Human Rights**3 credits**

This course will review the philosophical and biblical foundations of social justice and human rights. It will explore the distribution of power, status, and resources in society. Students will learn a practice framework that integrates a human rights perspective, which promotes the

dignity, respect, and well-being of all persons with a social justice perspective which seeks inequities. It will also address how issues of inequality, crime and discrimination affect vulnerable populations. It will analyze institutions that strive to promote and enforce social justice and human rights standards including the United Nations system, regional human rights bodies, and domestic courts. On Demand

SW 3333 Adult Development and Aging

3 credits

A study of the theory and research on the psychological development of adults; physical, social, personality, and intellectual development during the adult segment of the life span, with particular attention given to the aging process. Prerequisite: PY 1113. Cross-Listed as PY 3333 Fall, odd years.

SW 3343 Introduction to Social Policy

3 credits

This course introduces students to the profession of social work and provides an overview of the professional knowledge, skills, and values necessary for generalist social work practice. The various settings for social work practice and the types of services provided by social workers are explored. On Demand

SW 3353 Human Behavior and the Social Environment I

3 credits

This is the first of two courses in the human behavior in the social environment. Students apply theories and knowledge from the liberal arts to understand biological, social, cultural, psychological, and spiritual development stressing the concepts of person-in-environment, human ecology, and social systems. Theories and assumptions about human behavior and diversity are critically applied to social work contexts. Values and ethical issues related to bio psychosocial development are examined. On Demand

SW 3363 Human Behavior and the Social Environment II

3 credits

This course expands upon the theories and knowledge taught in SW3353 and incorporates theories specific to understanding biological, social, cultural, psychological, and spiritual and the adjustment tasks common to each stage. The concepts of person-in-environment, human ecology, social systems, and strengths continue to be a focus. Theories and assumptions about human behavior and diversity are critically applied to social work contexts. Values and ethical issues related to bio psychosocial development are examined On Demand

SW 3373 Substance Abuse

3 credits

This course will provide information on substance abuse issues. The goal is to provide the student with basic understanding of the developmental, physiological, psychological and social effects of substance abuse as well as historical and current treatment modalities. Cross-Listed as PY 3373 Winter

SW 4133 Abuse

3 credits

This course is designed to introduce the student to the critical issues involved in all forms of familial abuse within the family. Although emphasis will be upon the identification and treatment of child sexual abuse, other forms of abuse and issues related to abuse will be dealt with as well. Cross Listed as PY 3133 Fall, even

SW 4513 Special Studies

3 credits

Special topics of interest in the area of sociology. May be repeated for credit. On demand with the consent of the instructor.

Administration and Faculty

Administrative Officers

R. Stanton Norman, Ph.D.....	President
Brett Cooper, Ph.D.....	Vice President for Creative Services and Technology
Marvin Schoenecke, Ph.D.....	Provost and Executive Vice President for Campus Life
Timothy R. Huddleston, M.B.A.....	Vice President for Institutional Advancement
Rhyne R. Putman, Ph.D.....	Associate Vice President of Academic Affairs
Max Stabenow, Ed.D.....	Vice President for Enrollment Management

Administrative Staff

Steven Abanathy, M.A.....	Head Men's Baseball Coach
Aaron Andrews, M.A.....	Bursar
Josh Austin, M.S.....	Head Men's Basketball Coach
Rachel Austin,	Director of Student Success Center
Larry Bailey.....	Computer Services Technician
Tonya Bolton, B.A.....	Director of Student Advising and Retention
Taylor Baker, M.Div.....	Associate Director of Spiritual Life
Brayden Brewer, B.S.....	Assistant Bursar
Hannah Bullock, B.S.....	Head Men's and Women's Swimming & Diving Coach
Tim Chatman.....	Dean of Students
Misty Colvey, B.S.....	Head Athletic Trainer
Deana Conley.....	Administrative Assistant, Student Affairs
Tony Conley.....	Director of Maintenance
Aneita Cooper, Ph.D.....	Director of Counseling
Gabby Dixon.....	Director of Student Life
Mike Dixon.....	Director of Housing and Intramural Sports
Eliseu dos Santos.....	Facilities Supervisor
Morgan Durham B.S.E.....	Human Resources and Payroll Specialist
Nancy Ervin.....	Greenhouse Manager
Lisa Foley.....	Financial Aid Specialist
Tyler Fraley.....	Head Wrestling Coach
Chris Graddy, M.S.....	Director of Marketing and Communication
Jim Hartness.....	Chief of Police; Director of Campus Security
Tracy Henderson, B.A.....	Registrar; VA Certifying Official
Teresa Huddleston, M.A.C.E.....	Associate Director of Spiritual Life
Bill Jeffery.....	Digital Media Recruiting Coordinator/Dir. Student Music Ministry
Michele Lawson, B.S.E.....	Head Women's Volleyball Coach
Jennifer Mathis, M.S. in L.S.....	Director of Information and Library Services
Cheryl McCoy, B.S.....	Interim Postal and Communications Coordinator
Blake McGinnis, B.A.....	Director of Information Technology
Jessica Nutt, B.S.....	Head Women's Softball Coach
Angela Flippo, M.S.....	General Manager, Williams Corner
Amanda Prestidge, B.S.....	Office of Business Affairs
Joel Olive, B.S.E.....	Public Services Paraprofessional, Library
Jeff Rider, M.S.E.....	Director of Athletics

Mary Elizabeth Ryan, M.Ed. Assistant Registrar
 Tim Shepard, B.S.....Head Cross Country and Track and Field Coach
 Gabriel SitibaldiHead Men’s and Women’s Soccer Coach
 Susie Smith Assistant, Physical Plant
 Amy Steele A.A. Transfer Admissions Coordinator
 Rachel Steele, B.S..... Director of Admissions
 Zac Steele, B.S..... Director of Financial Aid
 Kelli Heath, B.S Sports Information Director
 Shannon TolsonAdministrative Assistant, Office of the President
 Jon Walter, M.S. Database and Web Application Developer
 Emily WisbyHead Spirit Cheer Coach
 Zane Wright Head Men’s and Women’s Golf Coach

Full-Time Faculty

***Trevor Babcock*, 2019**

Assistant Professor of English
 B.A., University of Cincinnati
 M.A., New York University
 Ph.D., Indiana University

***Tracy Bell*, 2022**

Associate Professor of Family Studies and Social Work
 B.A., Ouachita Baptist University
 M.S., University of Arkansas at Little Rock

***Stephen Bell*, 2022**

Professor of Family Studies; Director of Graduate and Professional Studies
 B.B.A. and M.S., Harding University
 Ph.D., University of Louisiana at Monroe

***Trent Broussard*, 2022**

Assistant Professor of Music; Director of Choral Activities
 B.S.E. and M.S.E., Arkansas State University
 Ed.D., Southern Baptist Theological Seminary
 Further studies Southwestern Baptist Theological Seminary

***Belina Dulaney*, 2018**

Assistant Professor of Mathematics
 B.S. and M.S., Arkansas State University

***Robert Lee Foster*, 1999**

Professor of Religion; Chair, Department of Christian Ministries
 B.A., Oklahoma Baptist University
 M.Div. and Ph.D., The Southern Baptist Theological Seminary
 Further study Jerusalem University College.

Carol Halford, 1984

Assistant Professor of Physical Education; Chair, Department of Physical Education; Chair, Division of Professional Studies

A.A., Williams Baptist College

B.S.E. and M.S.E., Arkansas State University

Chris Hair, 2020

Professor of English, Chair of Department of English and Communication Arts; Chair, Division of Arts and Sciences

B.A. and M.A., Baylor University, Waco, TX

Ph.D. University of Kentucky, Lexington

Rodney Harris, 2017

Assistant Professor of History; Chair of Department of History and Political Science

B.A., Arkansas State University

M.A., University Central Arkansas

PhD, University of Arkansas, Fayetteville

Janna Himschoot, 2015

Assistant Professor of Business

B.S., Arkansas State University

M.B.A., Missouri State University

Melissa Hobbs, 2006

Associate Professor of Chemistry and Biology

B.S., University of Arkansas at Monticello

M.S., University of Arkansas for Medical Sciences

Ph.D., Arkansas State University

Taylor Hoskins, 2022

Assistant Professor of Education; Coordinator of Graduate Education Programs

B.S.E. and M.A.T., Arkansas State University

M.S.E., University of Central Arkansas

Ed.S., Arkansas State University

Brady Massey, 2018

Assistant Professor of Music & Band Director

B.M., University of Central Arkansas

M.M., Arkansas State University

John Mayberry,

Assistant Professor of Health and Physical Education; Head Women's Basketball Coach,

B.S., Williams Baptist College

M.S., Southern Arkansas University

Steve McMann, 2003

Associate Professor of Biology
B.S., SUNY-Binghamton
M.S. Rutgers, the State University of New Jersey
Ph.D., University of Miami

Heather Parson, 2011

Assistant Professor of Business, Chair, Department of Business
B.S., Williams Baptist College
M.B.A., Arkansas State University

Ann V. Paterson, 1999

Nell I. Mondy Professor; Chair, Department of Natural Sciences
B.S., Ursinus College
M.S. and Ph.D., University of Miami

Lynn Hicks Pennington

Instructor of Music
B.M.E. and M.M.E., Western Kentucky University

Christopher Polachic, 2015

Assistant Professor of Natural Science
B.Sc. and M.Sc., University of Saskatchewan
Ph.D., University of Alberta, Canada

Ruth Provost, 2004

Associate Professor of Psychology; Chair, Department of Psychology
B.S., Williams Baptist College
M.S. and Psy.D., Wheaton College

Rhyné Putman, 2020

Professor of Religion;
Associate Vice President of Academic Affairs and Director of Worldview Formation
B. S. Williams Baptist College;
M.Div., Th.M., and Ph.D., New Orleans Baptist Theological Seminary

Jeffrey Rider, 1996

Director of Athletics
A.A., Williams Baptist College
B.S.E. and M.S.E., Arkansas State University

Amy Schmidt, 2018

Assistant Professor of English
B.A., Lyon College
M.A., University of Mississippi
Ph.D., University of Arkansas

Christopher Thompson, 1998
Associate Professor of Music
B.M., University of Kansas
M.A., University of Missouri-Kansas City
Ph.D., University of Wisconsin

Dennis Vowell, 2016
Assistant Professor of Psychology
Psy.D., Forest Institute of Professional Psychology

Tim Walker, 2022
Assistant Professor of Christian Ministries; Church Ministries Relations Coordinator
B.A., William Carey University
M.A. University of Southern Mississippi
M.A., M.Th., and Ph.D., New Orleans Baptist Theological Seminary

Charlotte Wheelless, 2009
Associate Professor of Education; LaDelle Moody Chair of Education
B.S.E., Williams Baptist College
M.Ed, and Ed.D., Grand Canyon University

Melinda Williams, 1983
Assistant Professor of Speech, Drama, and Journalism
A.A., Williams Baptist College
B.F.A., M.A. and M.S., Arkansas State University

Laura Wooldridge, 2019
Assistant Professor of Teacher Education
B.S.E., Arkansas State University
M.S.E., Arkansas State University
Further Studies UALR

Professor Emeritus

Jerry Gibbens, 1967
Professor of English. A.A., Williams Baptist College; B.S.E. and M.A. Arkansas State University; further study Indiana University, University of Memphis, University of Arkansas.

Bob Magee, 1985
Professor of Music. B.C.M., William Carey University; M.C.M., Southwestern Baptist Theological Seminary; D.M.A., University of Southern Mississippi; further study, Conservatorio Nacional de Bogota.

Sheri Midkiff, 1975
Professor of English. A.A., Williams Baptist College; B.A., Union University; M.A., Arkansas State University; Specialist in English and Ph.D., University of Mississippi; further study, University of New Hampshire.

***Paul Rhoads*, 1986**

Professor of Psychology. B.A., Ouachita Baptist University; M.S., North Texas State University; M.Div. Midwestern Baptist Theological Seminary; Ph.D., KaeMyung University (Korea); further study, Arkansas State University.

***Joy Ring*, 1965**

Professor of Business. B.A., Lyon College; M.B.E., University of Mississippi; further study, University of Arkansas, University of Central Arkansas, University of Mississippi, Arkansas State University.

***Kenneth M. Startup*, 1983**

Professor of History. B.A., State University of West Georgia; M.A., Virginia Polytechnic Institute and State University; Ph.D., Louisiana State University; further study, Baylor University.

Board of Trustees

A current list of the Board of Trustees can be requested from the WBU Office of the President.

ACADEMIC CALENDAR 2022-2023

FALL SEMESTER (August 18, 2022 – December 14, 2022)

August 2022

August 23 (Tuesday)..... Classes Begin
August 23 (Tuesday)..... 1st 8 Week Classes Begin
August 24 (Wednesday)..... Convocation
August 26 (Friday)..... Last Day to Register and Add Classes

September 2022

September 5 (Monday) Labor Day Holiday

October 2022

October 10 (Monday)..... Last Day to Drop 1st 8 Week Class
October 10-14 (Monday-Friday)..... Mid Term Exams
October 14 (Friday)..... 1st 8 Week Classes End
October 17 (Monday)..... 2nd 8 Week Classes Begin
October 20-21 (Thursday-Friday)..... Fall Break

November 2022

November 7-18 (Monday-Friday)..... Spring Registration
November 11 (Friday) Last Day to Drop a Class
November 21-25 (Monday-Friday)..... Thanksgiving Holidays/Energy Conservation

December 2022

December 5 (Monday). Last Day to Drop 2nd 8 Week Class
December 8 (Thursday) Last Day to Withdraw
December 12 (Monday). 2nd 8 Week Classes End
December 9-14 (Friday-Wednesday)..... Final Exams
December 14 (Wednesday)..... Christmas Vacation Begins Following Last Exam
December 19 (Monday) Winter Term Begins
December 26 (Monday) Last Day to Drop Winter Term Class

SPRING SEMESTER (January 9, 2023 – May 6, 2023)

January 2023

January 6 (Friday) Winter Term Ends
January 10 (Tuesday) Classes Begin
January 13 (Friday) Last Day to Register and Add Classes
January 16 (Monday) Martin Luther King, Jr. Holiday

February 2023

February 27 (Monday) Last Day to Drop 1st 8 Week Class
February 27 - March 3 (Monday-Friday) Mid Term Exams

March 2023

March 3 (Friday) 1st 8 Week Classes End
March 6 (Monday) 2nd 8 Week Classes Begin
March 20-24 (Monday-Friday) Spring Break

April 2023

April 7 (Friday) Good Friday Holiday
April 10 - April 21 (Monday-Friday) Fall Registration
April 24 (Monday) Last Day to Drop 2nd 8 Week Class
April 27 (Thursday) Last Day to Withdraw
April 28 (Friday) 2nd 8 Week Classes End
April 28 – May 3 (Friday-Wednesday) Semester Exams

May 2023

May 6 (Saturday) Commencement

MAY TERM, SUMMER I AND SUMMER II

May 8, 2023 – August 11, 2023

May 15 (Monday) May Term Begins
May 29 (Monday) Memorial Day Holiday
May 30 (Monday) Last Day to Drop May Term Class
June 2 (Friday) May Term Ends
June 6 (Tuesday) Summer I Classes Begins
July 3 (Monday) Last Day to Drop Summer I Class
July 7 (Friday) Summer I Classes End
July 10 (Monday) Summer II Classes Begin
August 7 (Monday) Last Day to Drop Summer II Class
August 11 (Friday) Summer II Classes End

FINAL EXAM SCHEDULES



FALL 2022 FINAL EXAM SCHEDULE

Class meets for the **FIRST** time during the week on
MONDAY, WEDNESDAY or FRIDAY

CLASS TIME	FINAL EXAM TIME	
8:00 AM	Friday, December 9	8:00 - 9:45 AM
9:00 AM	Monday, December 12	8:00 - 9:45 AM
10:00 AM	Monday, December 12	10:00 - 11:45 AM
11:00 AM	Friday, December 9	10:00 - 11:45 AM
1:00 PM	Friday, December 9	1:00 - 2:45 PM
2:00 PM	Monday, December 12	1:00 - 2:45 PM
3:00 PM	Friday, December 9	3:00 - 4:45 PM
4:30 PM	Monday, December 12	5:00 - 6:45 PM
5:00 PM or later	Monday, December 12	same as normal class time

Class meets for the **FIRST** time during the week on
TUESDAY or THURSDAY

CLASS TIME	FINAL EXAM TIME	
8:00 AM	Tuesday, December 13	8:00 - 9:45 AM
9:30 AM	Wednesday, December 14	8:00 - 9:45 AM
11:00 AM	Tuesday, December 13	10:00 - 11:45 AM
12:30 PM	Tuesday, December 13	1:00 - 2:45 PM
1:00 PM	Tuesday, December 13	1:00 - 2:45 PM
2:30 PM	Wednesday, December 14	10:00 - 11:45 AM
4:00 PM	Monday, December 12	3:00 - 4:45 PM
4:30 PM	Tuesday, December 13	3:00 - 4:45 PM
5:00 PM or later	Tuesday, December 13	same as normal class time



SPRING 2023 FINAL EXAM SCHEDULE

April 29 - May 4

Class meets for the ***FIRST*** time during the week on
MONDAY, WEDNESDAY or FRIDAY

CLASS TIME	FINAL EXAM TIME	
8:00 AM	Friday, April 28	8:00 - 9:45 AM
9:00 AM	Monday, May 1	8:00 - 9:45 AM
10:00 AM	Monday, May 1	10:00 - 11:45 AM
11:00 AM	Sunday, April 28	10:00 - 11:45 AM
1:00 PM	Friday, April 28	1:00 - 2:45 PM
2:00 PM	Monday, May 1	1:00 - 2:45 PM
2:30 PM	Monday, May 1	1:00 - 2:45 PM
3:00 PM	Friday, April 28	3:00 - 4:45 PM
4:00 PM	Monday, May 1	3:00 - 4:45 PM
4:30 PM	Monday, May 1	5:00 - 6:45 PM
5:00 PM or later	Monday, May 1	same as normal class time

Class meets for the ***FIRST*** time during the week on
TUESDAY or THURSDAY

CLASS TIME	FINAL EXAM TIME	
8:00 AM	Tuesday, May 2	8:00 - 9:45 AM
9:30 AM	Wednesday, May 3	8:00 - 9:45 AM
11:00 AM	Tuesday, May 2	10:00 - 11:45 AM
12:30 PM	Tuesday, May 2	1:00 - 2:45 PM
1:00 PM	Tuesday, May 2	1:00 - 2:45 PM
2:30 PM	Wednesday, May 3	10:00 - 11:45 AM
4:00 PM	Monday, May 1	3:00 - 4:45 PM
4:30 PM	Tuesday, May 2	3:00 - 4:45 PM
5:00 PM or later	Tuesday, May 2	same as normal class time

