

COURSE DESCRIPTIONS

ACCOUNTING

ACC 200 Principles of Accounting I (Financial Accounting) 4

This course provides practical application of basic accounting theory. Students apply transactions through an entire accounting process, from journalizing to the closing of a fiscal year. Forms prepared include, Income Statements, Statements of Owner's Equity, Balance Sheets and Statement of Cash Flows with an emphasis toward sole proprietorships.

ACC 210 Principles of Accounting II (Managerial & Cost Accounting) 4

This course builds upon Accounting I with an emphasis toward partnerships and corporations. This is an intermediate view of Principles of Accounting I with managerial accounting concepts including standard cost systems, inventory and depreciation accounting. Prerequisite: ACC 200

BIOLOGY

BIO 101 General Biology I and Lab 6

This course is the prerequisite to all other biology courses and serves as the introduction to the rudiments of biology from a life science perspective. It provides a survey of the concepts, principles, and theories of the science of biology. Topics include an overview of the origins of life, the process of scientific inquiry, fundamental biochemistry, cell structure, plant and animal tissues, physiology, molecular genetics and diversity. This course includes a laboratory where students demonstrate experimental techniques relevant to topics covered via hands-on techniques and computer simulations.

BIO 102 General Biology II and Lab 6

This course is a continuation of BIO 101. It provides a survey of the concepts, principles, and theories of the science of biology. Topics include an overview of the origins of life, the process of scientific inquiry, fundamental biochemistry, cell structure, plant and animal tissues, physiology, molecular genetics and diversity. This course includes a laboratory where students demonstrate experimental techniques relevant to topics covered via hands-on techniques and computer simulations.

BIO 200/201/202 Human Anatomy and Physiology 4/4/4

This course is a lecture and laboratory course on the structure and function of the human body. The following systems are presented; endocrine, cardiac, skeletal, muscular, reproductive, pulmonary and all other Human Systems.

BIO 300/301 General Genetics 4/4

This course includes lectures and lab on the scope and significance of modern genetics including molecular genetics, Mendelian genetics and population genetics. Prerequisites: A 2.0 GPA in 1st year BIO lectures and lab and a 2.0 GPA in 1st year CHM lectures and lab

BIO 302 Cell Biology 4

This course utilizes lectures and labs on the integration of structure and function in cells. Topics include protein structure and function, cell membranes and transport systems, organelles, both function and biogenesis and the cytoskeleton. Also covered are aspects of regulation of cell function including signal transduction and regulation of the cell cycle. Prerequisites: A 2.0 GPA in 1st year BIO lectures and lab and a 2.0 GPA in 1st year CHM lectures and lab

BIO 400 Microbiology 4

This course teaches the basic principles of microbiology and the characteristics of microorganisms with an emphasis on their structure, metabolism, growth and classification. Prerequisites: BIO 101/102, CHM 200/201/202, ENG 102

BIO 401 Toxicology 8

This course introduces selected topics including regulatory toxicology, risk assessment, environmental toxicology, food safety, and safe handling of toxic substances. Prerequisite: BIO 302

BIO 405 Agricultural/Plant Genetics 4

This course details the biological processes at the molecular level resulting in engineered food products. Prerequisites: BIO 300/301, BIO 400

BIO 410 Emerging Issues in Biology/Science 4

This course discusses selected topics in biology and biochemistry that relate to medicine, genetics, agriculture, biological warfare agents and other current topics in biological science of global interest. Prerequisite: BIO 302

BIO 480 Biotechnology 8

This course presents the growth and genetic improvement of industrial microorganisms, fermentation fundamentals. Specific classical and recombinant-based bioprocesses and bioconversions of commercial importance are examined. Prerequisites: BIO 300/301, BIO 302, BIO 400

BUSINESS**BUS 101 Introduction to Business 4**

Domestic and global business practices are introduced to provide the student with competencies required for employment and application for business. Key business practices relating to the economic environment, ethics/social responsibility, business formation, management, marketing, labor, law, finance, information systems, risk management and government's role in business provide a basis for incorporating a knowledge base which includes concepts for global business.

CHEMISTRY**CHM 200/201/202 Chemistry I, II and III 6/4/4**

This course covers the basic areas of general chemistry foundational to the understanding of biological systems. CHM 200 includes a lab. Topics include atomic structure, chemical bonding, periodicity of atoms, and stoichiometry. The concepts of acid-base theory, chemical equilibrium, and chemical thermodynamics are presented.

CHM 300/301/302 Bio-organic Chemistry 4/4/4

This course studies the basic tenets of organic and biochemistry as they relate to the processes of life systems primarily in mammals. Prerequisites: CHM 200/201/202, BIO 101/102

COMMUNICATIONS**COM 215 Cross-cultural Communications 4**

This course is an examination of the impact of culture on various communication processes. The course systematically explores individual and social functioning across and within cultures. Topics include cultural variations in perception, perception of others, cognition, parenting, nonverbal communication, psychopathology, gender issues, social class, social identity formation, and in group/ out group phenomenon. The course also examines cultural aspects in relation to disability (hearing impaired, site impaired, mentally challenged, etc...)

COMPUTERS**CSC 101 Computer Applications 4**

This course introduces students to the basic terms, concepts and practices in practical computer use. In this course, students produce numerous short documents using a variety of software programs. The goal of the course is not to "teach the software," but rather to make students comfortable enough with the computer in general that they can produce simple, yet professional, documents and continue the learning process with more focused courses.

CSC 110 Introduction to the World Wide Web 4

This course provides an introduction to the Internet, Internet access at GLU and/or from other locations, E-mail use, information about Internet resources and services, necessary equipment requirements, language, ethical, legal, security and social issues discussion, and hands-on access and use of the Internet.

CSC 200 Introduction to Programming 4

This course introduces the concepts of programming computers using the concept of Pseudo-Code and the Visual Basic computer language. Pseudo-Code is used to provide a foundation for developing computer programs independent of any single computer language. This course uses Microsoft Visual Basic language to provide students practical experience with an easy to learn and easy to use programming language while exposing them to visual development tools. Students demonstrate the ability to write simple, straightforward computer programs that provide the foundations for later, more advanced programming courses. Prerequisite: MAT 102

CSC 300 Computer Information Systems 4

This course provides an overview of the various computerized systems utilized in organizations to manage organizational operations. Course includes an examination of planning a control, and project management and evaluation systems.

ECONOMICS**ECN 101 Survey of Economics 4**

This course examines basic economic principles including a variety of relevant topics from both microeconomics and

macroeconomics. Topics include such issues as economic analysis, supply and demand, role of government, international economics, fiscal policy, monetary policy, externalities and market failure, factor and product markets, and business ownership and organization.

ECN 200 Principles of Macroeconomics 4

This course studies supply and demand, public sector, role of government and government monetary and fiscal policies.

ECN 201 Principles of Microeconomics 4

This course studies markets, competition, market power, labor markets and the Austrian Theory of Economics.

ECN 302 Intermediate Economics 4

This course provides an advanced review and analysis of the development and growth of the overall economy, with particular emphasis on the underlying economic systems that contribute to or interfere with sustainable growth and prosperity. Students study the basics of national economic performance and the various applications of government fiscal and monetary policies to increase their understanding and awareness of the beneficial and/or detrimental impact of such policies on the economy. Prerequisites: ECN 200, ECN 201

ECN 321 Financial Markets and the Economy 4

This course provides an overview of financial market theory, practice and history. The course explores five broad topics: the U.S. financial system; the federal reserve; monetary policy, and interest rates; financial markets and securities; and foreign exchange and international finance. Included are discussions of the nature and function of money, banking and credit, capital markets, and foreign currency exchange. Prerequisites: ECN 200, ECN 201

EDUCATION

EDU 201 Introduction to Education 3

This course is an introduction to the realities of the teaching profession. The course explores and examines school structure and operation, foundations of education and current issues in education. Prerequisite: Sophomore education major

EDU 220 Teaching Thinking and Study Skills 4

This course prepares students to be competent beginning teachers and to develop into competent experienced teachers. The importance of critical thinking in education as well as good study skills will be emphasized and students will be given ideas and methodology to teach these two important skills.

EDU 230 Teaching Diverse Learners (Gen. Ed. Requirement) 4

Students will learn to identify the psychological, physical, educational, medical, behavioral, and learning characteristics and needs of gifted individuals and individuals with various disabilities, as well as students from diverse cultural, social, ethnic, and racial backgrounds. Emphasis will be placed on determining the instructional techniques that fit individual needs. (This course may be taken as a social science elective or general education requirement).

EDU 301 Foundations of Education 4

This course will expose the student to an overview of the opportunities, problems, and realities of teaching. This course also introduces students to the roles of the professional teacher, teaching as a career, and the teaching/learning process. The American educational system will be the focus of study. Field experience is required (30 hours). Prerequisite: EDU 201

EDU 305 Issues in Education 2

This course examines educational issues in the context of historical, philosophical, and social foundations of teaching. Specific issues concerning gender, social class, and ethnicity are discussed.

EDU 310 Educational Psychology 6

This course addresses the systematic application of psychological and behavioral principles to educational settings. How the learner develops mentally, physically, spiritually and socially is specifically examined. Prerequisites: PSY 100 and junior or senior standing

EDU 312 Teaching Reading 3

This course places emphasis on the skills and methods needed for instructing elementary students in comprehension, phonics, literacy, and reading. Students also engage in activities and study that focus on socio-environmental, physical growth and development and achievement. A field experience of 20 hours is required. Prerequisite: Sophomore Education Major

EDU 320 The Act of Teaching 4
This course is a basic course for the student teacher. It will endeavor to prepare the beginning teacher for the classroom and give a fresh spark to the experienced teacher. Points covered will be: Factors that influence how to teach; How different kinds of learning occur; Motivation; Instructional variety; Assessment; Good or Quality teachers; Characteristics of an effective teacher; and Classroom management & discipline for today's classrooms.

EDU 323 Teaching Language Arts 3
This course reviews basic concepts of composition and traditional grammar. Students receive instruction on utilizing concepts, materials, and methods needed to teach listening, speaking, reading, and writing in the elementary school. Prerequisite: Sophomore Education Major

EDU 350 Instructional Technology 3
This course prepares students to use technology for instructional purposes. Prerequisite: CSC 101

EDU 401 Classroom Discipline and Management 3
Classroom management strategies are examined. Students receive practical training through the use of actual problem-solving scenarios. Students also learn how to apply principles to specific routine situations in regular elementary and secondary classrooms. Prerequisite: EDU 310

EDU 410 Elementary School Curriculum 4
This course is a basic curriculum course showing how parts of a curriculum fit together. Students will be introduced to curriculum design and implementation.

EDU 411 Course Design 4
This course is a study of the construction, organization, and function of the curriculum. Special attention is given to objectives, sequence, major problems, and recent developments in each school program area.

EDU 412 Assessment of Reading in Elementary Education 5
This course emphasizes the assessment of reading. Students will apply and implement principles of formal and informal assessment. A field experience is required. Prerequisite: EDU 312

EDU 462 Teaching Internship
Students complete a year internship at an assigned school. Elementary and secondary student teachers are supervised by a University instructor and a teacher from the school assigned. A professional level portfolio is required. Prerequisite: Admission to teaching internship.

ENGLISH

ENG 101 English Grammar and Composition I 4 This course reviews traditional grammar and mechanics. It introduces the writing process and requires the writing of essays in various modes.

ENG 102 Oral and Written Composition 4
This course continues the work of ENG 101; the basic principles and techniques of intrapersonal, interpersonal, group, and public communication in both written and oral forms are covered. Emphasis is placed on delivery styles and platform performance. It includes the preparation of a research paper from library sources. Students go through the process of planning, writing, and rewriting. Effective organization and significant content are emphasized. Prerequisite: ENG 101

ENG 201 World Literature (Gen. Ed. Requirement) 4
This course serves as an introduction to world literature ranging from the ancient Middle East to the contemporary world. Poetry, fiction, drama, and nonfiction prose from the literatures of Africa, Asia, and Latin America are emphasized. Prerequisite: ENG 101

ENG 210 Introduction to the Study of English 4
This course is a practical introduction to the history and development of the English language. It covers the system of rules that underlie English usage. Basic grammatical forms and structures are covered. Prerequisite: ENG 101

ENG 232 American Literature 4
This course is a survey of American writers from the Colonial period to the Civil War. Prerequisite: ENG 101

ENG 234 British Literature 4
This course is designed to introduce students to authors of British Literature from medieval times to the 18th century. Special emphasis is given to primary texts and their link with historical Britain. The course is designed to help students understand the relationship of these writers and their works. Prerequisite: ENG 101

ENG 301 Advanced Grammar & Composition 4

This course is designed to develop skills of exposition with emphasis on traditional grammatical principles. Students are expected to use advanced methods of planning, writing, and rewriting. Effective organization and significant content are emphasized. Prerequisites: ENG 101 & ENG 102

ENG 340 Business Communications 4

This course is designed to teach the mechanics and principles of effective business correspondence. Students compose business communications such as memoranda, various types of business letters, and formal business reports. Prerequisite: ENG 101

FINANCE**FIN 220 Principles of Taxation 4**

This course is an overview of the general principles of Federal Income taxation. Using the Internal Revenue Code, students study individual, partnership and corporate taxation. Emphasis is placed on income and deductions, capital gains, tax accounting and other tax related topics.

FIN 322 Principles of Finance 4

This course applies theory to financial statement analysis, asset valuation, credit policies, debt policies, sources of long-term financial structure and securities markets.

FIN 336 Financial Statement & Investment Analysis 4

This course provides an overview of financial accounting at the intermediate level. Students analyze the balance sheet, income statement and statement of cash flows. Students also evaluate a company's financial position from the commercial lender, professional investor and managerial points of view. Prerequisite: FIN 322

FIN 337 Investment Portfolio Management 4

This course examines the development and implementation of various portfolio models. Students apply the capital asset pricing model while assessing various financial techniques used to meet portfolio management goals. The role of diversification, measurement of portfolio risks, and securities market line is also reviewed. Prerequisites: MAT 101 (or equivalent), FIN 322

FIN 418 Financial Institutions and Capital Markets 4

This course is an advanced examination of the interrelationship between financial institutions, interest rates, and capital markets. The history and organizational structure of capital markets is also examined by students, as well as various financial instruments, the power and influence of the Federal Reserve System, trade cycle theory, factors that impact capital markets, and the effects of regulation and deregulation. Investigations into the fundamentals of international finance and currency transactions are also conducted to provide students with practical information and knowledge relevant to the global economy. Prerequisite: FIN 322

FIN 419 International Financial Management 4

This course is a study of the organizational structure of international economics and finance. Topics include international trade policy, payment methods, foreign exchange markets, investment centers, transfer pricing, sources and use of funds, capital structures and multinational corporations. Prerequisite: FIN 322

FIN 421 Biblical Stewardship 3

This course offers a biblical examination of personal finances. Topics include debt, investing, budgeting, philanthropy, financial duty to support the church and legal issues.

GENERAL STUDIES**GEN 301 Prior Learning Portfolio 2-30**

Students are given the opportunity to submit a portfolio documenting prior learning. Students must follow specific guidelines provided by the College of Arts. Learning outcomes and goals demonstrated in the portfolio are determined by the Assessment Committee of the university. Possible evaluation fees may apply.

GEN 450 Professional Field Experience 5

This course allows students to gain new learning experiences related to their particular learning outcomes or goals. Students are given the opportunity to choose a specific area of interest that reflects their plan of study as a General Studies major.

HISTORY**HIS 102 Western Civilization 4**

This course is an introduction to the history of Western Civilization from its beginnings through the early 18th century. This course constitutes an active and collaborative attempt to extend, preserve and transmit the

intellectual and cultural heritage of Western Civilization. Students will explore the following themes: the nature of historical evidence; the utility and reliability of myths, sagas, and legends; the rise and fall of kingdoms, empires, republics, democracies, and commonwealths in the ancient and medieval periods; religion and identity, ethnicity and identity, Islam and the West; and the expansion of Western Civilization.

HIS 103 American History 4

This course is a detailed examination of America's early social, political, religious, and economic beginnings from the discovery of America through 1865.

LANGUAGE

LAN 101 Linguistics 4

This course provides a detailed study of the nature and structure of language. Students explore the different approaches to languages in various disciplines, such as psychology, sociology, computer linguistics, and speech pathology. Students will study phonetics, phonology, morphology, syntax and semantics. Students will also look at language acquisition and historical linguistics.

MATHEMATICS

MAT 101 Business Math 4

Review of addition, subtraction, multiplication, and division of whole numbers, fractions and decimals; computing the average; ratio and portion; working with percent; application of all the above to problems involving profit and loss, simple and compound interest and applications, time card, payroll, cash and trade discounts, the invoice, markup, depreciation, small loans and installment purchasing, annuities; use of equations and formulas in the solution of business problems.

MAT 102 College Algebra 4

This course is an introduction to algebra and assumes no prior knowledge of algebra. Topics include: real numbers and their properties, linear equations and inequalities in one variable, linear equations in two variables, exponents and polynomials, factoring polynomials, rational expressions, radicals, and problem solving applications. Additional topics may include systems of linear equations, functions, and quadratics.

MAT 103 Intermediate Algebra 4

This course is a continuation of MAT 102 College Algebra. Topics include functions, linear systems, radical expressions and functions, quadratic equations and functions, exponential and logarithmic functions, conic sections, nonlinear systems, sequences, and probability. Prerequisite: MAT 102 College Algebra

MAT 125 Pre-Calculus 4

Topics include functions, their inverses, properties, and graphs. Polynomial, rational, exponential, logarithmic, and trigonometric functions are explored. Real-world problems involving these functions are explored. Prerequisite: MAT 120 Trigonometry

MAT 130 History of Mathematics 4

Students learn how mathematical ideas developed.

MAT 150 Calculus I 5

Topics include continuity, limits, differentiation, applications of differentiation, antiderivatives, and integration. Prerequisite: MAT 125 Pre-Calculus

MANAGEMENT

MGT 250 Business Ethics 3

This course introduces moral and ethical theory as applied to American business. The morality of the free market, the nature of property and property rights, product liability, advertising, health and safety, and environmental issues are explored.

MGT 330 Introduction to Organizational Behavior 4

This course analyzes human and organizational theories in planning, organizing, directing and controlling. It also promotes an understanding of organizational behavior and communication used to plan, implement and evaluate organizational processes.

MGT 331 Introduction to Human Resources Management 4

This course views policy planning and implementation that affects an organizations people. Topics include acquisition, development, compensation, evaluation and termination of employees. Additional topics include laws, trends and ethics.

MGT 343 Operations Management 4

This course examines operational issues in the production of goods and services: forecasting, capacity planning, facility location and layout, materials requirement planning and scheduling. Prerequisite: MGT 330

MGT 350 Survey of Business Law 4

This course is an overview of business law and employs case studies to enforce legal concepts and decisions. Topics include: contracts, property rights, torts, government regulation, bankruptcy, trusts and estates.

MGT 360 Leadership Theories and Models 4

Students examine leadership theory from the three perspectives of theology, psychology, and sociology. Students explore their own leadership development within a scriptural framework.

MGT 361 Leadership and Group Performance 4

This course provides students with the tools needed to solve organizational problems and influence the actions of individuals, groups, and organizations. The objectives of this course are to gain an understanding of what makes teams effective; determine how team dynamics can improve or hinder team performance; take action to improve team functioning; and develop the interpersonal skills needed to effectively lead teams. Prerequisite: MGT 330

MGT 434 Advanced Leadership and Management 4

This course focuses upon stimulating environments conducive to creativity in various leadership avenues. The course examines efficacy building in the organization as well as beliefs, attitudes, intentions, and behaviors associated with creativity in leadership. Prerequisite: MGT 330, MGT 360, MGT 361, MGT 362

MGT 436 Persuasion and Presentation

This course requires students to direct their research and problem solving skills toward specific business related issues. Emphasis is on group dynamics which requires research, writing and oral presentations.

MGT 471 Management Internship

Students work with business leaders to gain hands-on management experience and mentoring. Attain essential Management and leadership skills, including networking, decision-making, implementation, and evaluation.

MARKETING

MKT 302 Principles of Marketing 4

This course studies the principles, concepts and practices of marketing products and/or services to individuals and/or organizations. Students learn how product, price, promotion and distribution (The Marketing Mix) impact achievement of corporate goals and objectives. Students also learn how many consumer/socioeconomic factors play a role in the marketing management decision-making process.

MUSIC

MUS 100 Music Appreciation 3

This course provides an elementary reading and listening knowledge of music. The rudiments of music will be illustrated through listening examples.

MUS 101/102 Music Theory & Ear Training I 4

This course is an introduction to Western musical language through studies in fundamentals (key signatures, intervals, scales, rhythmic notation, etc.), chordal and melodic structures, and basic four-part harmonization. Also includes intensive daily training in sight-singing (with solfege) and ear-training activities. Prerequisite: Open only to music majors, or with permission of instructor.

MUS 105/106 Music Theory & Ear Training II 4

This course is a continuation of Music 101, with emphasis on further exercises in and analysis of four-part harmonization, secondary chord function, musical form and exercises in stylized composition. Sight-singing, ear-training and technology application continue. Prerequisite: Music 101 or advanced placement by means of a departmental examination.

MUS 120 Music History I 4

This course examines a survey of the history and literature of Western Music from the ninth century through the middle Baroque era. A significant amount of the course involves melodic, harmonic, and formal analysis of musical examples.

MUS 121 Music History II 4

This course is a continuation of MUS 120, from the late Baroque era through the twentieth century. Score analysis is a significant part of the course.

MUS 151/152 Applied Piano 2 (1 hr. per quarter)

This course studies the development of basic reading and harmonizing skills, as well as the development of the technical ability to perform elementary repertoire.

Applied Piano 8 (1 hr. per quarter)

MUS 251/252/253/351/352/353/451/452

This course offers private instruction in instrumental music for students who seek to concentrate in music. Prerequisite: Music 151/152 or playing and functional skills test to determine level.

MUS 161/162 Applied Voice 2 (1 hr. per quarter)

Open to all students. This course is a study of the vocal mechanism and practice in the techniques of vocal production and breath support/management, stage diction, as applied to art song/folksong performance by class participants.

Applied Voice

MUS 261/262/263/361/362/363/461/462

8 (1 hr. per quarter)

This course offers private instruction in vocal music for students who seek to concentrate in music. Prerequisite: MUS 161/162 or consent of department after audition.

MUS 171 Keyboard Techniques I 2

This course examines techniques to enable the student to accompany individual students or classes, perform easy melodic and harmonic improvisation, and develop sight-reading capabilities.

MUS 172 Keyboard Techniques II 2

This course is a continuation of concepts and techniques presented in MUS 171.

MUS 201/202 Music Theory & Ear Training III 4

This course is a continuation of Music 101 and 102 with a special emphasis on chromatic harmony. This includes a further study of form and exercises in stylized composition. Sight-singing and ear-training are continued. Prerequisite: Music 102 or permission of instructor.

MUS 205/206 Music Theory & Ear Training IV 4

This course is a continuation of Music 101, 102, and 201 with a special emphasis on form. An introduction to the materials and techniques of twentieth – and twenty-first-century music are examined. Sight-singing and ear-training continue. A major analysis paper is required. Prerequisite: Music 201/MUS 203 or permission of instructor.

MUS 230 Elementary Conducting 2

This course practices hand and baton techniques that are developed in laboratory experience. Group and individual practice is supervised with drills and materials. Prerequisite: MUS 101/MUS 106

MUS 231 Advanced Conducting 2

This course offers rehearsal techniques for vocal and instrumental ensembles; score reading and principals of interpretation: phrasing, dynamics, expression, style and tradition.

MUS 241 Vocal Music Ed in Jr. & Sr. High School 4

This course is a study of methods and materials used in teaching vocal music in the junior and senior high school with special emphasis placed on care and training of the pre-adolescent voice, elements of conducting and materials for vocal ensembles. Prerequisite: 205/206.

MUS 272 Guitar Techniques I 2

This course includes basic development of both classical and plectrum guitar skills. It is intended for students with little or no previous training.

MUS 301 University Chorus 1

This course offers rehearsal and performance of diverse choral styles from all periods. Historical, theoretical and stylistic information about works performed. A maximum of three concerts per semester are required. Students must have the ability to match pitches.

MUS 302 Orchestra 1

This course implements rehearsals and performances of orchestra literature of various styles. Participation in concerts is required. Prerequisite: Audition

MUS 341 Elementary Music Education 4

This course is designed to give the student the knowledge of a well-rounded music program for the elementary

grades. Creative experiences, demonstrations and practical work in performing and listening are stressed. Course includes lecture and laboratory. Prerequisite: MUS 205/MUS 206

MUS 371 Brass Instruments 2

This course examines practical methods in the teaching and playing techniques of the high brass (trumpet and French horn). It will also offer practical methods in the teaching and playing techniques of the low brass (euphonium, trombone and tuba).

MUS 372 Woodwind Instruments 2

This course offers practical methods in the teaching and playing techniques of single reed woodwinds (clarinet, saxophone) and flute. The practical methods in the teaching and playing techniques of double reed woodwinds (oboe, bassoon) are offered.

MUS 373 Percussion Instruments 2

This course implements the practical methods in teaching and playing techniques of percussion instruments.

MUS 441 Piano Pedagogy 2

This course examines modern procedures and methods of teaching children and pupils of junior and senior high school levels in both private and class instruction. Problems involved in the teaching of adults are considered. Prerequisite: Junior or Senior standing.

MUS 450 Vocal Pedagogy 2

This course studies the techniques of vocal production and vocal literature suitable for beginning and advanced students. Prerequisite: Junior or Senior standing.

MUS 453 Diction for Singers 2

This course studies the basic rules of singing diction in six languages (English, French, German, Italian, Latin and Spanish). It includes a study of the International Phonetic Alphabet (IPA) for increased language awareness and pronunciation accuracy.

MUS 461 Instrumental Pedagogy

This course teaches modern procedures and methods of teaching children and pupils of junior and senior high school level in private and class instruction. Prerequisite: Junior or Senior standing.

MUS 471 Senior Recital 2

This course involves completion of a major project under the supervision of a faculty advisor or preparation and recital of at least 30 minutes of music on the primary instrument of the student. Prerequisite: Senior standing, and approval by the Department of Music

PHILOSOPHY

PHI 101 Philosophy and Religion 4

This course introduces the student to the foundations of philosophy and religion and their interrelationship. The concepts of metaphysics, epistemology, and axiology are examined with emphasis placed on the foundation for, significance of, and consequences of a Christian worldview.

PHI 201 Philosophy of Ethics 4

This course builds on the foundations of philosophy and religion to form a framework for ethical behavior. Emphasis is placed on theories concerning the origin of ought/basis of obligation and the application of ethical principles to contemporary moral dilemmas. Prerequisite: PHI 101

POLITICAL SCIENCE

PLS 101 Political Science 4

This course studies politics. It involves the study of structure and process in government. It also looks at equivalent systems that attempt to assure safety, fairness, and closure across a broad range of risks and access to a broad range of commons for its human charges.

PSYCHOLOGY

PSY 101 General Psychology 4

This course is a prerequisite to all other psychology courses and serves as the introduction to the rudiments of psychology from a social science perspective. It provides a survey of the concepts, principles, and theories of the science of psychology. Topics include an overview of the schools of psychology, the process of scientific inquiry, personality development, overview of life-span development, learning, motivation, language, emotion and memory, the structure of the nervous system and how it commands the body, and a brief introduction to psychopathology.

PSY 104 Interpersonal Process and Group Behavior 4

This course examines group process beginning with an evaluation of the individual's interpersonal interaction style and how that style affects the environment, others, and groups. The theory of group stages is reviewed and examined. Students participate in group interactions and processes that provide opportunities for them to experience the stages of groups and receive feedback from their peers concerning their interpersonal and interactional style of communication. Students are required to attend a group situation within the community and provide a written critique incorporating the techniques discussed in class. Prerequisite: PSY 101

PSY 105 Abnormal Psychology 4

This course examines the phenomenology, etiology, epidemiology, and treatments of the various categories of mental illness contained in the Diagnostic and Statistical Manual (DSM). The disorders are examined from the behavioral, cognitive, psychodynamic and biological theoretical perspectives. Topics include psychotic disorders, mood disorder, anxiety disorders, childhood disorders, and personality disorders. Prerequisite: PSY 101

PSY 130 History and Systems of Psychology 4

This course is an examination of the roots and evolution of modern psychology from its origin in philosophy and natural sciences to contemporary systems and theory. Topics include an examination of ideas about the mind, the mind body connection, historical events that shaped the field of psychology, the development of the major schools of psychology (Psychoanalysis, Behaviorism, Cognitive), and how cultural forces shape psychological theory. Prerequisite: PSY 101

PSY 215 Cross-Cultural Psychology 4

This course is an examination of the impact of culture on various psychological processes and systems. The course systematically explores individual and social functioning across and within cultures. Topics include cultural variations in perception, perception of others, cognition, parenting, nonverbal communication, psychopathology, gender issues, social class, social identity formation, and in group/ out group phenomenon. The course also examines cultural aspects in relation to disability (hearing impaired, site impaired, mentally challenged, etc...) Prerequisite: PSY 101

PSY 219 Industrial/Organizational Psychology 4

This course examines the application of psychology in industry and organizations. Topics include personnel selection, decisions, training, and performance appraisals are reviewed and examined. Issues of job satisfaction, work motivation, working conditions and environments, leadership styles, and organizational communication are explored. Prerequisite: PSY 101

PSY 225 Life-span Developmental Psychology 4

This course explores the period of life from conception through old age and the physical, social, and cognitive changes that occur across the life span. Topics include an overview of early development, gender differences, sibling rivalry, stress in adolescence, parenting styles, marriage and divorce, career development, aging, and retirement. Prerequisite: PSY 101

PSY 235 Social Psychology 4

This course examines the theory and empirical research of social psychology. Specifically it examines the ways in which an individual's thoughts, feelings, and behaviors are influenced by the presence of, or the perceived presence of others. Topics include attitude formation and change, attribution processes, the self, social perception, majority and minority influence, helping behaviors, interpersonal attraction, group dynamics, inter-group relations, pro-social behavior, aggression, and altruism. Prerequisite: PSY 101

PSY 240 Psychology of Gender 4

This course examines the concepts of gender development, gender roles, and stereotypes by examining gender from a historical perspective and how the concept has evolved through time and arrived at the current theories and controversies. A survey of the current research and theories is offered. Topics include differences in cognitive abilities, personality, values, social behavior, aspirations of men and women, discrimination, sexuality, friendships, aggression, and parenting styles. Prerequisite: PSY 101

PSY 260 Introduction to Counseling Psychology 4

This course explores the theory and application of counseling techniques. The student is required to formulate therapeutic interventions and demonstrate techniques such as reflective listening, non-verbal communication, use of silence, eye contact, and understand how their presence affects others. Students video-tape interventions delivered that are viewed and critiqued by the professor and other students during class and as part of homework assignments. Prerequisite: PSY 101

PSY 270 Client Interviewing and Assessment 4

This course trains students to conduct clinical bio-psychosocial interviews. The course reviews the breakdown and rationale of the interview. Students then practice conducting interviews in class and as part of homework

assignments. Interviews are critiqued by the professor and other students in the class and the interviewer is provided with timely performance feedback. Video and/or audio-taping is required. Students are additionally exposed to the rationale and purpose of a Mental Status Examination. Prerequisite: PSY 101, PSY 260

PSY 301 Theories of Personality 4

This course explores a variety of personality theories including historical perspectives and current ideologies. The content focuses on the development, structure, and dynamics of personality. Specific topics include an examination of psychoanalytic, humanistic, existential and self-psychology theories, biological antecedents, and cultural and social contexts of personality. Prerequisite: PSY 101

PSY 305 Counseling Theories and Techniques 4

This course examines the theories, assumptions, and clinical procedures of individual psychotherapy from the major approaches of psychoanalysis, humanistic-existential therapy, client-centered therapy, Gestalt therapy, cognitive therapy, and behavioral therapy. The course provides an overview of the scientific evaluation of the therapeutic effectiveness of each approach and examines the commonalities and controversies that are present. Prerequisite: PSY 101

PSY 318 Physiological Psychology 4

This course examines the biological bases of behavior. Students develop a basic knowledge of anatomy and physiology of the brain and nervous system from the cellular level to global functioning. Topics include the nervous system, brain structures, the effects of drugs on brain function, physiology of emotions and motivation, hormonal influences on behavior, sleep and arousal, food and water intake, learning and memory, aggression, sexual behavior, and psychological disorders. Prerequisite: PSY 101

PSY 321 Child Development 4

This course explores the period of life from conception through adolescence. Popular theoretical perspectives of developmental psychology are reviewed. Epigenetic principles are reviewed from theorists such as Freud, Erikson, Piaget, Vygotsky, and those from the social learning perspective. Topics include genetics, embryology, prenatal and postnatal growth, moral development, cognitive development, latency, and puberty.

PSY 322 Child and Adolescent Psychology 4

This course is an introduction to the psychology of child and adolescent development. We will cover topics in the areas of emotional, cognitive, and social development, as well as the development of the self, identity, and relationships. This course will introduce some of the basic theories and research methods in developmental psychology. By the end of this course you should have an understanding of behavioral aspects of child development and of how research in developmental psychology can be used to inform practical problems of a developmental nature. This course is not designed to answer practical questions, such as how to raise children, but practical implications of developmental theories and research will be drawn throughout the course. Prerequisite: PSY 101

PSY 327 Psychology of the Family 4

This course provides an overview of the various theories of family therapy (Structural, Family Systems, and Strategic). It examines the interactions of individuals, couples, cohabitating couples, families, blended families and larger systems. Topics include the family-life cycle, family disruption of divorce, remarriage, and single parenthood. Emphasis is on family dynamics within and across generations. Prerequisite: PSY 101

PSY 328 Psychology of Death and Dying 4

This course examines the end of life process. Emphasis is on the dying process, the meaning of life, stages of grief and loss, bereavement, hospice, narrative therapy, religion and immortality, suicide, euthanasia, disasters, and cultural aspects of death and dying.

PSY 329 Counseling from a Biblical Perspective 4

This course examines psychological, social, and emotional problems from a Biblical perspective. The course offers guidance in how to use the Bible and scripture in the treatment of various life areas that are important to religious and spiritual individuals. Prerequisite: PSY 101

PSY 333 Cognition, Learning and Motivation 4

This course provides an overview of the principles of cognition, learning and motivation. Topics in the area of cognition include perception, attention, memory and forgetting, language comprehension, and pattern recognition. Topics in the area of learning include classical and operant conditioning, habituation, sensitization, reinforcement and punishment, and stimulus control. Motivation is explored through an examination of problem solving, reasoning, intelligence, creativity and unconscious processes, the role of choice, self-control and biological drives. Prerequisite: PSY 101

PSY 381 Tests and Measurement 4

This course examines the development and application of psychological testing. It begins with an overview of test

construction, reliability, validity, standardization, statistical techniques, and legal and ethical issues. The remainder of the course provides an overview of the clinical application of psychological testing in the areas of intelligence, personality, neuropsychology, achievement, and psychopathology. Administration, evaluation, and interpretation of psychological testing is demonstrated. Prerequisite: PSY 101

PSY 385 Theories of Addiction & Chemical Dependency 4

This course examines the various models of behavioral addiction and chemical dependency. The course provides an overview of the pharmacological, physiological, and psychological actions of psychoactive drugs. Students gain an understanding of the categories of illicit drugs and their primary and secondary effects. The course examines the personality, social, and cultural variables that contribute to drug use and abuse. Treatment modalities are reviewed with a focus on self-help groups, followed by more formal modalities. Prerequisite: PSY 101

PSY 387 Health Psychology 4

Health psychology examines the psychological factors affecting wellness, including emotional, cognitive, social, and behavioral aspects. Biopsychological mechanisms underlying illness and methods for improving health will be included. Prerequisite: PSY 101

PSY 400 Experimental Psychology 4

This course is an in-depth examination and application of research designs and methodologies employed in contemporary psychology. There is a specific focus on the ethical and theoretical issues involved in conducting psychological research with human and non-human subjects. Descriptive and inferential statistics are examined. Basic concepts of reliability, validity, sampling, and probability are reviewed. Students learn when and how to apply statistical procedures as chi-square, z-tests, t-tests, Pearson product-moment correlations, regression analysis, and analysis of variance. The goal of the class is to successfully train beginning researchers to formulate and choose correct research designs and statistical application. Students are required to complete an experimental project from the beginning stages of research design development to interpretation of results. Prerequisite: PSY 101, STA 200

PSY 401 Counseling Practicum and Supervision 8

This course requires students to spend 6 to 8 hours per week in a clinical work environment (child development center, acute psychiatric care unit, juvenile office, residential treatment center). Students process their experiences with a professor and other students enrolled in the course during a one-hour weekly supervision session. Prerequisite: PSY 101, PSY 305, PSY 260, PSY 270

PSY 402 Senior Seminar in Psychology 4

This course is a capstone of the psychology program. This course is to be taken during the student's final semester as a psychology major. Students examine the usefulness of their degree as it relates to the job market. Career paths in psychology are explored in-depth. Graduate school application, acceptance and attendance are researched.

RELIGION

REL 101 Early Jewish History and Literature 4

This course provides the student with an overview of early Jewish history primarily from the perspective of the thirty-nine books of the Old Testament. Each Old Testament book is discussed as to its genre, author, audience, purpose, characters, themes, and relationship to Jewish history. The History of Israel is traced from Abraham and his forefathers to the Inter-Testamental period. Additional Jewish literature such as the Mishna, Gemara, and Apocrypha will be referenced.

REL 102 Early Church History and Literature 4

This course examines the history and literature of the first century Christianity. The twenty-seven books of the New Testament are discussed relative to their genre, author, audience, purpose, characters, themes, and contributions to the history of Christianity. Special attention is given to the founder of Christianity, the establishment of the Christian church, and the churches mission, message, and expansion.

REL 201 Apostolic Theology 5

This course looks at theology proper (doctrine of God) and soteriology (study of salvation) from the Apostolic perspective. Scripture will be examined relative to God's revelation of Himself and His plan for reconciling man unto Himself. Emphasis will be placed upon Apostolic distinctives from mainstream or orthodox Christianity.

REL 202 Personal Evangelism 4

A study of the biblical evangelistic imperative, strategic processes and various contemporary methods of effectively communicating and contextualizing the Gospel into an ever-changing culture. Particular emphasis is given to issues relating to genuine discipleship and especially the development of an authentic servant lifestyle that exemplifies Christ to the world, thus resulting in intentional evangelism.

REL 301 Pentateuch 4

This course is an in depth study of the first five books of the Old Testament Genesis, Exodus, Leviticus, Numbers, and Deuteronomy often referred to as the Law or the Books of Moses. Special attention is given to God's revelation of Himself through His Word and in His interaction with mankind, specifically Israel. The message of each book is discussed in relation to its application to the modern day Christian.

REL 302 Historical Books 4

This course is a study of the biblical books of Joshua, Judges, Ruth, I & II Samuel, I & II Kings, I & II Chronicles, Ezra, Nehemiah, and Esther. These books cover the history of Israel from the crossing of Israel into Canaan (~1405 BC) through the restoration period (420 BC).

REL 303 Synoptic Gospels 4

This course examines the first three books of the New Testament: Matthew, Mark, and Luke. While the historical settings are examined and attention is given to the audience and perspective of each writer, the course emphasizes the life and message of Jesus Christ. The significance of Christ's life and message to modern society is discussed.

REL 304 Romans and Galatians 4

The Pauline Epistles of Romans and Galatians are compared and contrasted. Paul's message to the Roman and Galatian churches is examined relative to their soteriological application to twenty-first century Christianity.

REL 311 Corinthians and Prison Epistles 4

The Pauline Epistles of I and II Corinthians, along with the prison Epistles of Philemon, Ephesians, Colossians, and Philippians are examined. The historical setting of each epistle is discussed along with their content and modern day application. Special attention is given to I Corinthians eleven through fifteen relative to the hair issue, the gifts of the Spirit, and the rapture of the church.

REL 312 General Epistles 4

The non-Pauline Epistles of I and II Peter, I, II, and III John, James and Jude are examined. Their messages are analyzed relative to their historical setting and modern church application. The warnings of the perils of heresy are emphasized.

REL 315 Homiletics 4

This course examines the science of preaching. Techniques of sermon construction and delivery are analyzed. Students are to construct and deliver sermons during the quarter and receive feedback from the fellow students and the instructor.

REL 320 Pneumatology 4

The study of the Spirit from the Apostolic perspective includes discussion of God's eternal being as a Spirit, His infilling of His people with His Spirit, and the Christian's life in the Spirit. The fruit of the Spirit and the gifts of the Spirit are discussed in depth.

REL 322 Small Group Ministry

The dynamics of small group ministry are examined as a key to church growth and development. The types and models of, challenges to, and opportunities for small group ministries in the twenty-first century are also discussed.

REL 325 Topical Preaching

The strengths and weaknesses of topical preaching are discussed. Principles are given to enhance the effectiveness of topical preaching. Students are given the opportunity to develop and present topical sermons for instructor and fellow student feedback.

REL 400 John 4

The message of the fourth gospel is examined in depth. An emphasis is placed on the message of Christ relative to the new birth, John's assertions concerning the deity of Christ, and Christ's teachings concerning the *Paraclete*.

REL 401 Thessalonians and Pastoral Epistles 4

This course examines the Pauline Epistles of I and II Thessalonians and the Pastoral Epistles of I and II Timothy and Titus. Their historical context is analyzed along with their message to the first and twenty-first century church.

REL 402 Hebrews and Revelation 4

The anonymous book of Hebrews and the Johannine book of Revelation are examined. Their historical context is analyzed along with their message to the first and twenty-first century church. Various interpretations of Revelation are discussed with their eschatological implications.

REL 403 Wisdom and Poetic Literature (Same as ENG 403) 3

The Old Testament books of Job, Psalms, Proverbs, Song of Solomon, and Ecclesiastes are examined as to their literary genre and content. Each book is discussed relative to its relationship to Israel's history and its message to the modern day reader.

REL 411 Prophets 4

The Old Testament books of prophecy are examined as to their historical context and content. Emphasis is placed on their prophecies concerning the Messiah and their fulfillment.

REL 420 Hermeneutics 4

This course studies the science of the interpretation of Scripture. Hermeneutical theories and principles are examined. Students are required to exegete scriptural passages from both the Old and New Testaments and use them in sermon development.

REL 421 Ecclesiology and Eschatology

The study of the church and the doctrine of last things are merged in this course. Emphasis is placed on who the church is, the mission of the church, and its future. Discussions are included in the final state of humanity that fails to become a part of the ecclesia.

REL 422 Biblical Models of Leadership

Students examine leadership theory from the three perspectives of theology, psychology, and sociology. Students explore their own leadership development within a scriptural framework.

REL 424 Teaching the Bible 4

The biblical foundations for the teaching ministry are examined along with principles and techniques for teaching the Bible. Students are both developing and sharing Bible studies with the class for feedback from fellow students and the instructor.

SCIENCE

SCI 200 General Physics 4

This course studies the basic principles of classical and modern physics including the foundational laws governing the behavior of gases, liquids, solids, and plasmas. Prerequisite: MAT102

SCI 201 Health Science Research, Policy and Ethics 4

This course examines global issues in social technologies with a strong emphasis on medical ethics. Students are required to review current research, make presentations and openly debate controversial global issues. Students exercise independent critical thought, civil debate and an openness to all perspectives.

SCI 210 Environmental Science 4

This course introduces students to the principles of basic Environmental Science. This is a course primarily for the non-scientist. It is an introduction to the terminology, methodology and worldview of environmental science and the practical application to everyday living. Students will be expected to attain knowledge of environmental science concepts, the environment and atmosphere, material and energy resources, and environmental pollution (including air, water, and soil).

SCI 350 Methods of Research in Education 4

Students gain hands on experience researching topics in learning. Statistical approaches to understanding data and designing experiments will be learned. A small laboratory fee will be charged to fund student experiments that require funding.

SCI 351 Methods of Research in Education II 4

Students gain hands on experience researching topics in learning. Statistical approaches to understanding data and designing experiments will be learned. A small laboratory fee will be charged to fund student experiments that require funding.

SOCIOLOGY

SOC 101 Introduction to Sociology 4

This course examines the concepts, theories, and methodologies used to study the relationship between society and the individual. Topics covered include: society, culture, social institutions and organizations, social control and deviance, social groups, roles and statuses, social stratification, socialization, social change, and social policy.

SPANISH

SPA 101 Beginning Spanish 4

The primary goal of SPA 101 is to help students develop proficiency in the four communication skills: listening, reading, speaking and writing. These skills are essential to effective communication in the target language.

SPA 102 Intermediate Spanish 4

The primary goal of SPA 102 is to help students develop an intermediate proficiency in the four communication skills: listening, reading, speaking and writing. These skills are essential to effective communication in the target language. Prerequisite: C or better in SPA 101 or permission of instructor

SPEECH

SPE 201 Speech Communication 4

Speech communication will teach students how to achieve clarity and confidence during the speeches they must give in college classes, in career settings, and in their communities, as well as information on how to perform necessary research and how to properly credit sources.

STATISTICS

STA 200 General Statistics 4

This course offers an introduction to various statistical methods and their applications. Topics include measures of central tendency, probability distribution, sampling methods, and linear regression analysis distributions.

STA 240 Statistical Methods for Business 4

This course focuses on data interpretation through the use of inferential statistics. Students use statistical datasets to critique and interpret research reports that are represented within business literature from various business settings. Prerequisite: MAT 101