

PAUL QUINN

2008-2009 Course Description

PART VII

COURSE DESCRIPTIONS

ACCT 2301, Principles of Accounting I (3 semester hours)

This is an introduction to the study of the principles of accounting as applied to business entities as well as fundamental procedures in analyzing and recording business transactions. Journal, ledgers, and preparation of income statements are emphasized. Prerequisites: Sophomore standing or completion of MATH 1301

ACCT 2302, Principles of Accounting II (3 semester hours)

This involves a study of accounting procedures and practices in partnerships and corporations, cost data, and budgetary control in business decisions and financial reports. Prerequisites: ACCT 2301

ACCT 3310, Managerial Accounting (3 semester hours)

This involves a study of the measurement and analysis of accounting data appropriate to managerial decision making, including comprehensive budgeting, statistical cost estimation, cost-volume-profit analysis, gross profit analysis, and capital planning. Prerequisites: ACCT 2301 and ACCT 2302

ACCT 3314, Intermediate Accounting I (3 semester hours)

This involves a study of application of generally accepted accounting principles in accounting and reporting for business entities. Students are introduced to the conceptual framework underlying financial accounting and reporting. Accounting and reporting for cash, short-term investments, receivables, liabilities, inventories, and plant assets are covered. Prerequisites: C average in ACCT 2301 and ACCT 2302

ACCT 3315, Federal Income Tax Accounting – Individual (3 semester hours)

This is an overview of income tax laws and regulations, income legislation, treasury and court decision, income tax problems and returns, and social security and self-employed taxes. Prerequisites: ACCT 2301 and ACCT 2302

ACCT 3324, Accounting Information System (3 semester hours)

This is an introduction to system design, system analysis, and implementation. Emphasis is placed on business resource planning systems and control. Prerequisites: BCIS 2300, ACCT 2301, and ACCT 2301

ACCT 3325, Intermediate Accounting II (3 semester hours)

This is an in-depth study of accounting for long-term investments, earning per share, revenue recognition, contributed capital, pensions, and leases. Also included are segment reporting, inter-period tax allocation, and interim reporting. Prerequisites: C or better in ACCT 3314

ACCT 4305, Topical Seminar in Accounting (3 semester hours)

This course is an agreed concentration in accounting formulated by the instructor/student. Credit may be earned without regular class attendance. The instructor and student are required to meet at least once per week for instruction and evaluation. Prerequisites: Senior in good standing

ACCT 4310, Governmental and Non-Profit Accounting (3 semester hours)

A study of the role financial reporting plays in fulfilling government's duty to be publicly accountable in a democratic society, and a study of the accounting concepts that are applicable to governmental activities of a non-business nature, hospitals, universities, and other non-profit entities. Prerequisites: ACCT 2301 and ACCT 2302

ACCT 4317, Financial Statement and Analysis (3 semester hours)

This course involves the study of financial statement reporting and analysis. Ratio analysis, vertical analysis, horizontal analysis, and trend analysis are all covered. Analysis is focused from the user's

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BIOL 3420, General Botany (4 semester hours)

Introduction to the study of plants with emphasis on structure, functions, distribution, economic importance, and phylogenetic relations. Prerequisite: BIOL 1424. Laboratory Fee.

BIOL 4101, Special Projects in Biology (1 semester hour)

Directed research and study in the field of the student's interest and preparation. A minimum of 45 laboratory hours per semester credit. Prerequisite: A major in Biology with advanced standing and permission of the Division Chairperson. Laboratory Fee per semester hour

BIOL 4111, Biology Seminar (1 semester hour)

Required of majors and minors in the biological sciences. Reports and discussions of current literature in the biological sciences. May be repeated for credit with different topics for a maximum of three times. Prerequisites: Approval by the Division Chairperson.

BIOL 4201, Special Projects in Biology (2 semester hours)

Directed research and study in the field of the student's interest and preparation. A minimum of 45 laboratory hours per semester credit. Prerequisite: A major in Biology with advanced standing and permission of the Division Chairperson. Laboratory Fee per semester hour

BIOL 4301, Special Projects in Biology (3 semester hours)

Directed research and study in the field of the student's interest and preparation. A minimum of 45 laboratory hours per semester credit. Prerequisite: A major in Biology with advanced standing and permission of the Division Chairperson. Laboratory Fee per semester hour

BIOL 4305, Special Topics in Biology (3 semester hours)

Course topics are dependent on student interest and faculty specialization. Special topics' courses are identified by content specific titles. Prerequisite: Consent of instructor or Division Chairperson.

BIOL 4401, Special Topics in Biology (4 semester hours)

Course topics are dependent on student interest and faculty specialization. Special topics' courses are identified by content specific titles. Prerequisite: Consent of instructor or Division Chairperson.

BIOL 4403, Histology (4 semester hours)

Study of prepared microscopic slides of tissues and organs of mammals and other vertebrates, with emphasis on the distinct characteristics and minute structures of each. Laboratory Fee (4 semester hours). Prerequisite: BIOL 2402 or the equivalent and approval by the Division Chairperson

BIOL 4411, General Microbiology (4 semester hours)

Topics cover microbial structure and function, growth and reproduction, sterility and disinfectants, preservation, and taxonomy. Laboratory topics will include isolation and study of pure cultures and enumeration and control of bacterial populations. Prerequisites: BIOL 1425 or the equivalent. Laboratory Fee

BIOL 4420, Cell Biology (4 semester hours)

A study of the structure, organization, physiochemical activities, and extra cellular environment of the cell. Prerequisites: CHEM 4421 and BIOL 3420. Laboratory Fee

BIOL 4423, Embryology (4 semester hours)

Development of the individual from the fertilized egg to birth, with an emphasis on the development of a typical vertebrate. Prerequisite: BIOL 2402 or the equivalent.

BUSA 1301, Introduction to Business (3 semester hours)

This course surveys the entire field of business; builds vocabulary and broadens the students' perspective of the business field and aids in selecting a field of vocational speculation. Prerequisites: None

perspective with the aim of applying time series and cross sectional analysis in making credit and investment decisions. Prerequisites: ACCT 2301 and ACCT 2302

ACCT 4320, Cost Accounting (3 semester hours)

This course emphasizes the study of accounting procedures for material, labor and manufacturing expenses for both job order and process cost systems. Special attention is given to the distribution of service area cost and the cost of by-products and joint products. Prerequisites: ACCT 2301 and ACCT 2302

ACCT 4321, Advanced Accounting (3 semester hours)

This involves a study of international trade and finance, tariffs, barriers to trade, foreign exchange transactions, balance of payment and consolidated financial statements of parents and subsidiaries. Students are also introduced to business combination, mergers, type of mergers, and liquidation of partnership. Prerequisites: ACCT 3314

ACCT 4325, Internship in Accounting (3 semester hours)

This course is a practical work experience in an accounting firm. Students spend one hour per week in class and 15 or 20 hours per week in a work setting, supervised by a firm official. Prerequisites: Junior or Senior classification and approval of Division Chairperson

ACCT 4327, Accounting Theory (3 semester hours)

This course focuses on the study of historical and theoretical development of accounting. The concepts of income measurement and asset valuation are also covered. Prerequisite: ACCT 3325

ACCT 4328, Auditing (3 semester hours)

This involves a study of auditing procedures used by internal auditors, independent public accountants, and preparation of working papers. Prerequisites: ACCT 3325

BIOL 1401, Biological Science (4 semester hours)

This course focuses on the fundamental principles of biology including cell structure and function, genetics, evolution, ecology, and classification. Laboratory Fee (4 semester hours).

BIOL 1424, General Biology I (4 semester hours)

An introductory course that emphasizes the molecular and metabolic aspects of biology. The course will also cover the molecular basis of disease and how the disease process affects man. Three hours of lecture and two hours of laboratory per week. Laboratory Fee (4 semester hours).

BIOL 1425, General Biology II (4 semester hours)

An introductory biology course that emphasizes animal and plant kingdoms and their relationships to their environment. Three hours of lecture and two hours of laboratory per week. Prerequisite: BIOL 1424. Laboratory Fee (4 semester hours).

BIOL 2401, Human Anatomy and Physiology I (4 semester hours)

The anatomy and physiology of cells, tissues and organs, the architectural plan of the human body and the integument, skeletal, muscular, and nervous systems. Prerequisite: BIOL 1424. Laboratory Fee (4 semester hours).

BIOL 2402, Human Anatomy and Physiology II (4 semester hours)

A study of the circulatory, digestive, respiratory, excretory, reproductive, and endocrine systems of the human body. Prerequisite: BIOL 1425 or divisional approval. Laboratory Fee (4 semester hours).

BIOL 3410, Comparative Vertebrate Anatomy (4 semester hours)

A detailed study of the morphology and anatomy of chordates with emphasis on the dissection of the dogfish, lamprey, necturus, and cat. Prerequisite: BIO 334 or the equivalent. Laboratory Fee (4 semester hours).

BIOL 3411, Genetics (4 semester hours)

Principles of genetics and their application to living organisms. Prerequisite: BIOL 1425. Laboratory Fee.

BCIS 3312, Introduction to E-Commerce (3 semester hours)

An introduction to the world of electronic commerce. Topics include planning, implementation, and risk assessment.

BCIS 4300, Database Management (3 semester hours)

This course will give the student a basic overview of Relational Database Systems and Relational Database Design. The student will acquire a working knowledge of Microsoft ACCESS and the ISO standard SQL language. Students will work individually on a series of small projects, and one larger project encompassing all phases of database design and implementation.

BCIS 4301, Management Information Systems (3 semester hours)

Introduces the ethical, theoretical, and practical challenges of the project management framework, including the basic project management phases (initiation, planning, execution, control, and closure) and interactions. Integrates project management and strategic management. Instruct students on the purpose and preparation of their portfolios. Students will acquire a working knowledge of Microsoft Project.

BCIS 4309, Topical Seminar (3 semester hours)

Advanced topic not covered in the published curriculum. Prerequisites: Senior standing, a minimum of nine credit hours of junior or senior CIS courses, and CIS faculty approval. May be repeated once when topic changes.

BCIS 4325, Internship (3 semester hours)

This course is designed to provide the student with actual work experience as a programmer, programmer analyst, or system analyst. The student will have the opportunity to apply the principles, concepts, and skills learned during the first three years of collegiate training.

BLAW 3324, Business Law (3 semester hours)

This course focuses on the principles of laws applicable to business, which includes the role of law in such areas as contracts and sales, agency, partnerships, bankruptcy, negotiable instruments, torts, and other legal subjects. Prerequisite: BUSA 2301

CHEM 1411, General Chemistry I (4 semester hours)

Study of atomic and molecular structure, periodicity, stoichiometry, chemical reactions, thermochemistry, bonding, states of matter, gas laws, and solutions. Prerequisite: concurrent enrollment in MATH 1301. Laboratory Fee

CHEM 1412, General Chemistry II (4 semester hours)

A continuation of Chemistry 214. Study of chemical kinetics, equilibrium, acid-base chemistry, chemical thermodynamics, electrochemistry, radiochemistry, and descriptive inorganic chemistry. Prerequisites: CHEM 1411 or the equivalent and approval of the Division Chairperson. Laboratory Fee

CHEM 2411, Organic Chemistry I (4 semester hours)

Theory of the covalent bond; classes, nomenclature, structure and properties of carbon compounds, reaction mechanisms, syntheses, stereochemistry, and spectroscopy. Prerequisite: CHEM 1412. Laboratory Fee

CHEM 2412, Organic Chemistry II (4 semester hours)

Continuation of Chemistry 2411. Advanced concepts of synthesis and reaction theories of common classes of organic compounds including aliphatic and aromatic systems, and carbon compounds and their derivatives. Prerequisite: CHEM 2411. Laboratory Fee

CHEM 4421, General Biochemistry (4 semester hours)

A study of the bio-molecules including amino acids, enzymes, the metabolism of bio-molecules, and the generation and utilization of energy. The laboratory will include the analysis of bio-molecules, techniques in chromatographic methods, electrophoresis, and UV-V is spectroscopy. Prerequisites: CHM 2412 and approval of the Division Chairperson. Laboratory Fee

BUSA 3302, Business Communications (3 semester hours)

Analysis of all types of business letters. Writing of forceful and effective business letters, adhering to the best forms of English usage and practice, and the application of practical psychology in the construction of the letter. Prerequisite: ENGL 1301 and ENGL 1302. Students should have basic typing skills and familiar with keyboard and the Internet.

BUSA 3322, Business Statistics (3 semester hours)

Covers the application of calculus techniques to solve business and economics problems. Includes rule of differentiation and integration, maxima and minima, constrained optimization and Taylor series. Prerequisites: MATH 1314

BUSA 4304, Topical Seminar (3 semester hours)

Advanced topics not adequately covered in published curriculum. Prerequisites: Minimum of nine credit hours of coursework in subject area, and junior or senior classification.

BUSA 4311, International Business (3 semester hours)

Foreign operations of American firms and impact of foreign competition on the domestic market. Examination of worldwide patterns of trade and investment. Overview of financial, managerial, and marketing problems confronted by multinational forms. Prerequisites: FINA 3313 and MKGT 3301

BUSA 4321, Business Ethics and Social Responsibility (3 semester hours)

Helps students comprehend ethical issues, theories, and issues related to businesses at local, national, and international levels.

BUSA 4323, Business Policy and Strategy (3 semester hours)

Study and analyze comprehensive business cases with an emphasis on decision-making processes using skills and techniques from previous courses. Prerequisite: Senior standing and consent of instructor

BUSA 4325, Internship (3 semester hours)

Supervised work experience in a business-related position with a public agency, private business, or organization.

BCIS 1301, Microcomputer Application (3 semester hours)

The course introduces the use of computers in a business organization, professional activities and personal life. Topic includes terminology software, hardware, networking application and systems development using contemporary software.

BCIS 2300, Introduction to Computer Information Systems (3 semester hours)

This course introduces basic Computer Information Systems concepts. Prerequisites: BCIS 1301

BCIS 2302, Essentials of Info Systems and Programming (3 semester hours)

The objective of this course is to learn programming logic and concepts. It is an essential pre-programming step in any software development. For many students this may be the first experience in learning to "think like a computer". As the intent of the course is to learn how to program, we will be learning how to instruct the computer, to perform, in simplified terms, exactly as we ask it to do, step-by-step without emphasizing a particular programming language.

BCIS 3300, Introduction to Programming (3 semester hours)

An introduction to web page programming. Macromedia Dream weaver will be used in class.

BCIS 3301, Operating Systems (3 semester hours)

Introduction to a leading microcomputer operating system. The course emphasizes operating system installation and configuration, object linking and embedding, printing, and using network resources.

BCIS 3303, Internet Programming (3 semester hours)

An introduction to web page design and publishing. Emphasis is on page layout integration with application software and interactive functionality. Web site creation project required.

CJUS 4322, Victimology (3 semester hours)

This course is designed to acquaint students with the plight of the victims in the Criminal Justice systems.

COSC 1301, Computer Applications I (3 semester hours)

This course is an introduction to computer science. Topics include computer components: The computer, computer hardware, basic storage media, and the central processor. Handling and processing information: Number systems, computer software, data recording, computer output, and processing data. Computer solution of several problems using BASIC-programming language. Computer Science majors can not take this course to complete the forty-five hours required in Computer Science; the course can be counted as an elective when taken over the required hours of the program. Three lectures and laboratory sessions per week.

COSC 1401, Fundamentals of Computer Programming (4 semester hours)

An introduction to computer science and programming using the FORTRAN or Pascal programming languages. Introduce the freshman computer science student to the field of computing, computer architecture, campus computing facilities, and computer programming. Writing and debugging programs. Three lectures and laboratory sessions per week. Prerequisite: COSC 1301 and approval of Division Chairperson.

COSC 3310, Data Structures (3 semester hours)

A study of formal specifications and representation of lists, arrays, trees, graphs, multilinked structures, string, and recursive pattern structures. Analysis of associated algorithms. Sorting and searching, file structures. Three lectures and laboratory sessions per week. Prerequisites: COSC 1401

COSC 3313, Assembly Language Programming (3 semester hours)

A study of assembly language programming and its applications. The course includes addressing techniques, index registers, concepts of paging, machine organization to facilitate modes of addressing, program linkage, and other topics. Writing and debugging programs. Three lectures and laboratory sessions per week. Prerequisite: COSC 1401

COSC 3320, Database System Design (3 semester hours)

Information structures and external storage, file processing, and information retrieval. Introduction to database system concepts, including multiple file organization, data independence, and languages for data description and manipulation. Prerequisites: COSC 3310 and MATH 1302 or MATH 2311

COSC 3333, C/C++ Programming (3 semester hours)

A study of the fundamentals of the C/C++ Programming language. The course includes structured programming and problem solving techniques. Writing and debugging programs. Three lectures and laboratory sessions per week. Prerequisite: COSC 1401

COSC 3343, Structured Programming (3 semester hours)

A study of the Pascal and ADA programming languages and its applications. Structured programming techniques will be emphasized. Writing and debugging programs. Three lectures and laboratory sessions per week. Prerequisite: COSC 1401

COSC 3353, Fortran Programming (3 semester hours)

A study of the FORTRAN programming languages and its applications. Topics include; FORTRAN programming language: Coding form, kinds of programs, specification statements, control statements, expression statements, and I/O statements. Three lectures and laboratory sessions per week. Prerequisite: COSC 1401

COSC 3411, Computer Organization and Hardware Design (4 semester hours)

An introduction to the organization and design of hardware features of computers. Include computer architecture, logic design, codes, number representations, arithmetic, and an introduction to assembly language programming concepts. Three lectures and laboratory sessions per week. Prerequisite: COSC 3401

CJUS 2300, Introduction to Corrections (3 semester hours)

This course covers the study of the historical and philosophical background of professional corrections, including a general overview of the development of the American correctional system. Emphasis is on the interdependence of corrections with other components of the criminal justice systems, modern developments and recent innovations, and the future direction of corrections.

CJUS 2311, Introduction to Criminal Justice (3 semester hours)

A course focused on the history and philosophy of criminal justice as well as an overview of the criminal justice system including law enforcement, court systems, prosecution and defense, the trial process, and corrections

CJUS 2312, Introduction to Probation and Parole (3 semester hours)

This course covers an overview of probation and parole as an alternative to imprisonment. Includes review of the Mark system and furlough leave as a stepping-stone for probation and parole. Discusses current practices as compared to the original conception of probation and parole.

CJUS 3306, Fundamentals of Criminal Law (3 semester hours)

This course offers the study of the philosophical and historical nature of criminal law including the classification and penalties of crime.

CJUS 3307, Constitutional Law and Criminal Justice (3 semester hours)

This course is a study of federal and state constitutional laws as they relate to the criminal justice system, including the Bill of Rights and the Fourteenth amendment. Emphasis is on arrest, search and seizure, interrogation, confession, self-incrimination, electronic surveillance, right of privacy, trial rights, and protection against double jeopardy.

CJUS 3323, Criminal Investigation (3 semester hours)

This course covers the study of investigative theory ranging from the collection and preservation of evidence to case and trial preparation.

CJUS 3324, Criminology (3 semester hours)

This course is a study of criminology from the classical schools to the present, with special units on professional criminals and crime causation.

CJUS 4300, 4315 Practicum in Criminal Justice (3 semester hours)

This course is supervised work experience in an approved local, state, or federal criminal justice agency for a semester. Designed to provide the student with an opportunity to apply theory to practice.

CJUS 4301, Introduction to Law Enforcement (3 semester hours)

An overview of the law enforcement system, including the organization and functions of local, state, and federal enforcement agencies involved in the administration of criminal justice. Other topics to be discussed are centralized versus decentralized police systems and the history of the World Police Organization.

CJUS 4305, Police Management (3 semester hours)

An in-depth study of police management including management theory; structural and functional aspects of police organizations; executive leadership and personnel selection; police records; academy and field training; patrol and middle and top-level police management; functional and supporting units; and the problems associated with police supervision.

CJUS 4306, Police/Community Relations (3 semester hours)

This course is a study of the problems of community relations in criminal justice, and the emerging concept of active citizen involvement in the criminal justice process are covered. Topics will include: The police and the community, corrections and the community, news media, the role of minority and special interest groups, and the treatment of victims, witnesses, and jurors.

COSC 4373, System Analysis (3 semester hours)

This course is an analysis of software and systems, including specification techniques, software design methodologies, performance measurement, validation and verification, and quality assurance techniques. Three lectures and laboratory sessions are held per week. Prerequisite: COSC 4321

COSC 4383, Numerical Analysis (3 semester hours)

A study of roots of polynomials, interpolation, functional approximation, numerical differentiation and integration, numerical solutions of ordinary differential equations, linear systems of equations, difference equations and error analysis. Study gives special consideration of computer applications for problems arising in science and engineering. Three lectures and laboratory sessions are held per week. Prerequisites: COSC 4353 and MATH 2312

COSC 4394, Computer Science Project (2 semester hours)

Students will design, code, test, implement, and document a significantly large and complex system or application program. Two lectures and laboratory sessions will be held per week. Prerequisite: Junior or Senior classification

ECON 2301, Principles of Microeconomics (3 semester hours)

This involves the analysis of the role of price systems in the resource allocation in free market economy. Topics include the determination of price and output in different forms of market structure, the theory of consumer demands, and the theories of marginal productivity and income determination. Prerequisites: MATH 1301

ECON 2302, Principles of Macroeconomics (3 semester hours)

This involves the study of the measures and determination of national income, price-level, inflation, unemployment, and the role of monetary and fiscal policy. Prerequisites: ECON 2301

ECON 3320, Money and Banking (3 semester hours)

This involves the study of money supply, financial intermediation and the role of banks and non-bank financial institutions in money supply process. Topics also address the determination of interest rates, the Federal Reserve System, and conduct of monetary policy. Prerequisites: ECON 2301 and 2302

ECON 4310, Labor Economics (3 semester hours)

This a study of the work force from management's viewpoint, labor union history, labor legislations, collective bargaining, and labor as a socio-political-economic institution. Prerequisites: ECON 2301, ECON 2302, and 3302

EDUC 1001, College Assembly (4 semester hours)

The College Assembly is designed to supplement and complement the total educational experience at the college. Emphasis is placed on the broad dimensions of the academic, social, cultural, and religious experiences. The opportunity is provided for students to apply these lectures/presentations to their major area of endeavor. *0.5 semester hours per semester totaling 4 semester hours

EDUC 2301, Introduction to Education (3 semester hours)

Students are provided information concerning the field of education, schools and students, teachers and the teaching profession, parental and community involvement and governance of schools. Additionally, the requirements for admission to the teacher education program are presented.

EDUC 3101, Preparation for State Exam (PPR, EC-12) (1 semester hours)

This course offers a systematic focus on the teaching strategies and professional responsibilities needed to success- fully pass the state Pedagogy and Professional Responsibilities exam (PPR).

EDUC 3102, Preparation for the State Exams (Content) (1 semester hours)

This course focuses on the content and strategies needed to successfully pass the required content exams for each teacher certification area: EC-4(EC-6)Generalist, 4-8 Math, Science, Social Studies or English, Reading and Language Arts; 8-12 Math, Biology, History and English, Reading and Language Arts and EC-12 Physical Education.

COSC 3424, Discrete Computational Structures (4 semester hours)

This computer science course has a lecture and a laboratory component. The subjects included in this course are: Introduction to sets, relations, propositional and predicate logic, number systems, Boolean algebra, finite state machines, computability, graphs, and trees. Prerequisite: COSC 1401 and MATH 2311

COSC 4193, Computer Science Seminar (1 semester hour)

This course is a student's investigation and report on topics of current interest in computer science. One lecture and laboratory session will be held per week. Prerequisite: Junior or Senior classification

COSC 4301, Programming Languages (3 semester hours)

This course is a formal definition of programming languages, including specification of syntax and semantics. Scope of declarations, storage allocation, group statements, binding time of constituents, subroutines, and tasks. Data description, run-time representation of program and data structure. An examination of the syntax, semantics, and usage of a selected programming language. Introduction to flowcharting: Developing a flowchart, flowcharting problems, and programming flowcharts. Programming techniques: Step 1; given, Step 2; analyzes, Step 3; flowchart, Step 4; program, and Step 5; run job. Three lectures and laboratory sessions per week. Prerequisite: COSC 1401

COSC 4310, Artificial Intelligence (3 semester hours)

This course is a study of the basic concepts and techniques of artificial intelligence (AI). The capabilities of AI software and hardware, and the use of AI in future programming languages and computer systems will be addressed. Three lectures and laboratory sessions will be held per week. Prerequisite: COSC 3310

COSC 4313, Computer Architecture (3 semester hours)

This course covers an introduction to the organization and design of hardware features of computers. Includes, computer architecture, logic design, codes, number representations, arithmetic, and an introduction to assembly language programming concepts. Three lectures and laboratory sessions are held per week. Prerequisite: COSC 3343

COSC 4321, Operating Systems (3 semester hours)

This course covers an introduction to the principles of operating systems. Discussion of various operating systems, in terms of memory management, processor management, device management, and information management will be conducted. Three lectures and laboratory sessions are held per week. Prerequisite: COSC 3333

COSC 4333, Parallel Processing (3 semester hours)

This course covers the theory and practice of parallel processing, including characterization of parallel processors, models for memory, algorithms, and inter-process synchronization. Issues in parallelizing, serial computations, efficiency, and speedup analysis. The course will include programming exercises using one or more concurrent programming languages, on one or more parallel computers. Prerequisites: COSC 4313 and COSC 4321

COSC 4343, Computer Networking (3 semester hours)

This course covers a study of storage and retrieval systems. Topics include information storage and retrieval system models, internal information structures and organization, storage allocation and representation, algorithms to create, alter, and destroy structured information, direct access storage devices, and data structure and file organization. Three lectures and laboratory sessions are held per week. Prerequisite: COSC 4321

COSC 4353, Numerical Methods (3 semester hours)

This course covers a study of numerical analysis techniques. Taylor series, finite difference calculus, interpolation and extrapolation, roots of equations, solution of algebraic and transcendental equations, curve fitting and functional approximation, and numerical differentiation and integration. Computer applications are emphasized. Three lectures and laboratory sessions are held per week. Prerequisites: COSC 3353, MATH 2311, and MATH 2322

COSC 4363, Special Topics In Computer Science (3 semester hours)

This course is a study of advanced, specialized topics selected on the basis of mutual interest of the student and the instructor. Three lectures and laboratory sessions are held per week. Prerequisite: Junior or Senior classification

EDUC 4303, Social Studies Strategies (3 semester hours)

An overview of the teaching strategies and materials involved in teaching students in grades 4-12 will be presented. Also included are state objectives and national standards, instructional planning, use of technology, attention to diversity and other topics.

EDUC 4304, Assessment in Learning (3 semester hours)

This course focuses on techniques involved in the development of tests, collecting data; analysis of data, interpreting data, assessment (performance and portfolio) of students, legal and ethical considerations, descriptive statistics, outcomes based accountability assessment and other topics.

EDUC 4305, Classroom Management (3 semester hours)

This course presents an examination of the relationship between the pupil, and classroom environment in the schools, grades PreK-12. Also included are teaching objectives, instructional planning, use of technology/audio visual aids, effective teaching strategies, diversity and other topics.

EDUC 4306, Science Strategies (3 semester hours)

This experience is designed to assist the prospective teacher to prepare and present science concepts to students in grades 4-12. Emphasis is placed on the state and national standards, selection and organization of materials, guidance and experiences of students, use of available resources, practical experiences in developing and demonstrating science activities.

EDUC 4393/ENGL 4393, Children's Literature (3 semester hours)

This course is a study of the type of literature suitable for pre-school and elementary school children, including criteria for judging and selecting children's books. Storytelling and dramatization are also covered. Prerequisite: ENGL 2320

EDUC 4501, Student Teaching Elementary (5 semester hours)

Students participate full-time for twelve weeks in all phases of school work in an elementary school under the joint supervision of the college and the school. Periodic meetings are held with the cooperating teacher and the college supervisor of student teaching. Assessments of the student teaching experience are done on an on going basis and at the end of the experience. Feedback is provided to the student teacher in order to make the experience productive.

EDUC 4502, Student Teaching Secondary (5 semester hours)

Students participate full-time for twelve weeks in all phases of school work in a secondary school under the supervision of the college and school. Periodic meetings are held with the cooperating teacher and college supervisor of student teaching. Assessments of the student teaching experience are done on an on-going basis and at the end of the experience. Feedback is provided to the student teacher in order to make the experience productive.

EDUC 4503, Student Teaching All Levels (5 semester hours)

Students participate full-time for twelve weeks in all phases of school work in grades Pre-K-12 under the supervision of the college and schools. Periodic meetings are held with the cooperating teacher and college supervisor of the student teaching. Assessments of the student teaching experience are done on an on-going basis and at the end of the experience. Feedback is provided to the student teacher in order to make the experience productive.

ENGR 1301, Introduction to Engineering (3 semester hours)

An introduction to engineering as a profession, engineering fields, functions and code of ethics for engineering, tools of engineering, and engineering design process. Students are involved in real world problems. Introduction to engineering drawing, sketches, computers in engineering, and class projects will be the focus of the course. Prerequisite: MATH 1301

ENGR 3313, Static (3 semester hours)

A study of equilibrium of force system, computation of reaction and internal forces, determination of centroids and moments of inertia, as well as an introduction to vector mechanics. Prerequisites: ENGR 1301 and PHYS 3411

EDUC 3301, Human Development & Learning (3 semester hours)

This course focuses on developmental theories applied to learning and teaching in school settings. Theorists such as Piaget, Freud, Erickson, Maslow and Pearce will be covered. Included also are current philosophies and practices for the exceptional child.

EDUC 3302, Technology In Teaching (3 semester hours)

This course is an introduction to educational technology. Students will be required to produce lessons utilizing computers, telecommunications, videotapes and other technology to meet the state standards for this area. Applications to non-teaching areas will be addressed.

EDUC 3303, Reading/English/Language Arts Strategies (3 semester hours)

This integrated course exemplifies the benefits of teaching reading, language arts and social studies authentically. The focus is on methods, materials and strategies as it relates to each subject area.

EDUC 3304, Mathematics for Educators (3 semester hours)

This course is designed to develop a relational understanding of mathematical concepts. The students will experience active learning through problem solving, communication, reasoning, patterns, representation and connections. The strategies introduced will equip the aspiring teacher with tools to help elementary students develop mathematical skills necessary for everyday living and for further advancement.

EDUC 3311, Fine Arts Strategies (3 semester hours)

An introduction to the essential elements of physical education, music, and art for grades Pre-K 4 are covered. Other areas include: Applying the principles of human growth and development to teach physical education, music and art in the school setting.

EDUC 3312, English/Lang/Arts/Read. Strategies 4-8 & 8-12 (3 semester hours)

This integrated course emphasizes the benefits of teaching reading (diagnostically), and language arts with a focus on methods, materials and strategies. This course also focuses on selecting, evaluation of assessment tools and instructional strategies for diagnosing and correcting reading problems.

EDUC 3321, Math/Science Strategies (3 semester hours)

A study of the theory, basic principles of real complex numbers, and linear and quadratic equalities are covered. Special emphasis on teaching mathematics to special needs students is included. Other topics covered include: Aims and objectives for science teaching, selection and organization of materials, guidance and experiences of children, development of available resources, and practical experiences in developing and demonstrating science lessons.

EDUC 4101, Student Teaching Seminar (1 semester hours)

This course provides opportunities for student teachers to discuss the clinical experience. Reinforcement and feedback are provided to enable the student teachers to experience success. Some of the topics covered are: lesson plans, classroom management strategies, working with the cooperating teacher, observation, techniques, use of technology, current topics in education and other topics.

EDUC 4301, Mathematics Strategies (4-8 and 8-12) (3 semester hours)

The focus of this course is on the strategies and materials involved in teaching mathematics to students in grades 4-8 and 8-12. Students will prepare lesson plans to incorporate state and national standards, also, appropriate materials and strategies to deliver effective instruction to students.

EDUC 4302, Education and Society (3 semester hours)

This is a senior level course to introduce teachers to practices and foundations of education, which include legal and ethical aspects of teaching, structure, organization and management of the schools. Emphasis will be placed on the state and local school governance.

ENGR 4343, Digital Instruments (3 semester hours)

Interfacing of digital instruments system components and peripheral equipment. Bus structure, data transfer and communication. Transducer inputs and conditional methods of signal input and output. Prerequisites: ENGR 3353 and ENGR 3323

ENGR 4353, Electric/ Electronic Properties of Materials (3 semester hours)

Engineering applications of electric and electronic properties of semiconductors, magnets, dielectrics, conductors, and super conducting materials. Applications to electronic as well as to power. An introduction to optical properties of materials. Prerequisites: ENGR 3323

ENGR 4363, Special Topics in Engineering (3 semester hours)

This course is designed to give students exposure to advanced topics in areas of interest. May be repeated when topics vary. Prerequisite: Approval of Division Chairperson

ENGR 4373, Engineering Project (3 semester hours)

An exercise in the planning and analysis of selected projects that relate to several disciplines. Application of computer-aided engineering in analysis and design. Final oral and written report to a faculty committee is required for approval. Prerequisite: Approval of Division Chairperson

ENGR 4399, Internship in Engineering (3 semester hours)

A practical experience in areas related to engineering. Engineering applications and technology are emphasized. Students are assigned to work at least eight weeks in commercial or governmental agencies, which have engineering components. Prerequisites: Advance standing and consent of the Division Chairperson

ENGL 0383, Developmental Writing I (3 semester hours)

This course focuses on speech, writing, and listening skills. Emphasis will be placed on the study and usage of Standard English grammar, as well as sentence and paragraph development. Laboratory experiences will be provided in the Student Support Services Lab. This course does not satisfy the general education or elective credit requirements.

ENGL 0393, Developmental Writing II (3 semester hours)

A writing course designed for gathering information and organizing materials, emphasis will be placed on clear and logical thinking. The topics of this course will include instructional writing, practice and utilization of process analysis, and the connection of reading and writing patterns. Laboratory experiences will be provided in the Student Support Services Lab. This course does not satisfy the general education or elective credit requirements.

ENGL 1301, Composition I (3 semester hours)

In this course, students will have the opportunity to read, discuss, and analyze a variety of essays that will serve as patterns for their own writing. Methods of development will be studied as students experiment with improving their own skills. A grade "C" or better is required to pass this course.

ENGL 1302, Composition II (3 semester hours)

This course is a continuation of writing practice and application. Besides continued study of essays, with an emphasis on persuasive and argumentative writing, students will also be introduced to critical analysis of literature. Documented essays and the research paper will be the focus of this course. Students will continue to analyze and employ various strategies in their expositions. A grade of "C" is required to pass this course. Prerequisite: ENGL 1301

ENGL 1311, Speech and Drama (3 semester hours)

The student will learn effective oral communication through speech preparation and group/panel discussion. Emphasis is on preparation, enunciation, language selectivity, and general delivery. Prerequisite: ENGL 1302

ENGL 2320, World Literature (3 semester hours)

A chronological survey of selected multicultural masterpieces of world literature from ancient to modern periods, with emphasis on literary and historical analysis. Prerequisite: ENGL 1302

ENGR 3323, Engineering Graphics (3 semester hours)

A study of manual and computer aided graphics, engineering design, philosophy, methodology, case studies, and safety in design as well as simple design projects. Prerequisite: MATH 1301

ENGR 3333, Engineering Materials (3 semester hours)

A study of the fundamental factors influencing the structure and properties of structure materials, including metals, polymers, ceramics, phase diagrams, heat treatment, metallography, mechanical behavior, and corrosion. Prerequisite: ENGR 3323

ENGR 3343, Software Engineering (3 semester hours)

An introduction to operating systems, programming techniques, and development methodologies as related to the design of computer software systems will be the focus of the course. Technical considerations related to the planning and development of system software. Prerequisites: COSC 1301 and ENGR 3333

ENGR 3353, Circuits I (3 semester hours)

The course will include basic circuit elements and models, Ohm's and Kirchhoff's laws as well as circuit reduction techniques using Thevenin and Norton theorems. Loop nodal analysis of resistive networks, semi-conductor diodes and applications in rectification, clipping, regulation, logic functions, the bipolar junction transistor and effects of loading and noise. Prerequisite: PHYS 3412

ENGR 3363, Dynamics (3 semester hours)

Introduction to kinematics and dynamics of particles and rigid bodies, Newton's laws, kinetic and potential energy, linear and angular momentum, work and impulse, and inertial energy. Prerequisite: ENGR 3323

ENGR 3373, Quality Assurance (3 semester hours)

This course presents the ideas and concepts of quality management principles, and applies to manufacturing and service organizations. Use and applications of statistical process control. Prerequisite: Junior classification

ENGR 3383, Digital Logic Circuits (3 semester hours)

An introduction to the design of logic circuits and systems using integrated circuit elements. Use of the proper mathematics elements as logic, Boolean algebra, binary number, octal numbers, and hexadecimal numbers in relation to binary code. Prerequisite: PHYS 3412

ENGR 4181, Engineering Seminar (1 semester hours)

Intensive study of a particular subject or topic not available in regular course offering. This study should be under the supervision of a faculty member approved by the area and division heads. Prerequisites: At least 27 semester hours of engineering courses.

ENGR 4303, Advanced Microprocessors (3 semester hours)

This course will emphasize the architecture, design of microprocessors and microprocessors instructions, programming as well as the applications, functions, and circuits. Prerequisite: ENGR 3343

ENGR 4323, Circuits II (3 semester hours)

Applications of ENGR 3323 to more complex and functional networks including advance logic elements. Application to synchronous counters and shift registers. Bipolar junction transistors and the field effect transistor applied to amplifying circuits. The characteristics of both low frequency amplifiers and amplifiers with feedback are presented using the small signal model. Prerequisite: ENGR 3323

ENGR 4333, Engineering Economy (3 semester hours)

Evaluation of engineering alternatives by equivalent uniform annual cost, present worth, and rate of return analysis. Capital requirement source of capital, operation, and efficiency of modern production facilities, and use of computerized financial planning system. Mathematics of finances applied to engineering projects. Prerequisites: Math 1303 and senior classification

ENTR 3316, Entrepreneurship and New Venture (3 semester hours)

Concentrates on stratify and growing new business. The course deals with a Varity of ventures with focus on technology based businesses. The course involves entrepreneurial skill through classroom assignments.

ENTR 4309, Entrepreneurial Exploration (3 semester hours)

Through reading, guest speakers and classroom discussion students examine the benefits and opportunities that can be found through self-employment. Students investigate how entrepreneurs manage the start successful business.

ENTR 4310, Entrepreneurial Finance (3 semester hours)

Examines the entrepreneurial process from a finance perspective the course includes identifying opportunities acquiring the necessary resources to launch the business, valuing, structuring deals and existing businesses.

ENTR 4315, Entrepreneurial Business Plan (3 semester hours)

This course is a practicum where the student will prepare a written business plan for an actual venture, business or nonprofit which student plan to implement in the future. Prerequisite: ECON 2301

ENTR 4327, Internship (3 semester hours)

Pre-approval and supervised work experience in a business –related position with an entrepreneur, public agency, or private business. May be repeated for a total of six (6) credit hours. Prerequisites: Junior classification and approval of Division Chair/Advisor.

ENTR 4327, Technology Entrepreneurship (3 semester hours)

Examines technology commercialization process from concept to marketing. It is intended to provide students in business, engineering and the science with knowledge needed to effectively participation in the process require for the successful introduction of new technology products in the market place.

ENTR 4328, Managing the Family Business (3 semester hours)

Explains the personal and interpersonal issues, as well as the business issues, associated with the family owned and managed business.

ENTR 4329, Small Business and Entrepreneurship (3 semester hours)

A study of skills and business strategies necessary for creating a successful small business. Topics include analysis of the economic climate, serving technical and financial assistance, new product development, and business concept applicable to entrepreneurial situations in a corporate environment. Prerequisites: ACCT 2301, ECON 2301, and MKTG 3301.

FINA 3313, Business Finance (3 semester hours)

This is an introduction to the principles of financial management. Primary focus is on the role of financial manager and the tools used in making investing and financing decision in order to maximize the value of the firm Areas examined include profit planning, risk of a portfolio, capital budgeting techniques, time value of money, management of short-term and long-term funds, cost of capital, optimal capital structure and liquidity versus profitability. Prerequisites: ACCT 2001, ACCT 2302, ECON 2301, and ECON 2302

FUND 1101, Foundations of Learning I (1 semester hour)

This is a required course for freshmen and transfer students with 15 hours or less. The course is designed to help the students become exposed to essential skills and information necessary for successful matriculate at Paul Quinn College. The course is designed to reflect a broad number of topics that will enhance successful student outcomes and retention. The format for the course will include explanatory presentations, discussions, computer assisted instruction, collaborative grouping and other meaningful presentations models. It is designed to help the student create greater success in college and in life. The student will learn many proven strategies for creating greater academic, professional, and personal success through various approaches such as guided journaling and reflective writings will be used to explore these strategies. The student will be engaged in learning community cohorts and service learning integration as an integral part of the course. The course will be taught in two parts or blocks in the fall and spring.

ENGL 2325, Introduction to Creative Writing (3 semester hours)

A comprehensive survey of the practices and techniques of both poetry and fiction, with the emphasis on student production of both genres. Prerequisites: English 1301 and English 1302

ENGL 3303, Adv. Grammar (Structure of Modern English) (3 semester hours)

This course includes an analysis of the grammatical framework of English, a comparison of traditional and contemporary approaches to the study of grammar, and practical experiences in applying these principles. Prerequisites: ENGL 1311 and ENGL 2320

ENGL 3311, English Literature I (3 semester hours)

This is a survey of major English writers from Beowulf to the Romantic Period. Prerequisites: ENGL 1311 and ENGL 2320

ENGL 3312, English Literature II (3 semester hours)

This is a survey of major English writers from the Romantic Period to the present time. Prerequisites: ENGL 1311 and ENGL 2320

ENGL 3321, American Literature I (3 semester hours)

The course emphasizes a chronological survey, from the colonial period through the Civil War, of literary trends and representative selections from the literature of the United States. Prerequisites: ENGL 1311 and ENGL 2320

ENGL 3322, American Literature II (3 semester hours)

The course focuses on a chronological survey, from the Civil War to the present, of literary trends and representative selections from the literature of the United States. Prerequisites: ENGL 1311 and ENGL 2320

ENGL 3323, The Literature of Africa in the New World (3 semester hours)

This course is a survey of the literature of Africans in the New World. The focus will be most notably on the literature developed in the Americas, and the Caribbean. Prerequisites: ENGL 1311 and ENGL 2320

ENGL 3324, African American Literature (3 semester hours)

This is a selective survey of modern and contemporary Black literature. Prerequisite: ENGL 1311 and ENGL 2320.

ENGL 4320, Introduction to Literary Criticism (3 semester hours)

This course is a survey of criticism, which focuses on applying literary approaches to short selections of literature. Prerequisites: ENGL 1311 and ENGL 2320

ENGL 4322, Shakespeare (3 semester hours)

This is a survey of the representative works of Shakespeare with emphasis on the characteristics of the era and the literary criticism of Shakespeare's dramas and poetry. Prerequisites: ENGL 3311 and ENGL 3312

ENGL 4350, Special Topics (3 semester hours)

This course centers on literary and composition topics. The course may be repeated when topics vary. Prerequisite: ENGL 2320

ENGL 4393/EDUC 4393, Children's Literature (3 semester hours)

This course is a study of the type of literature suitable for pre-school and elementary school children, including criteria for judging and selecting children's books. Storytelling and dramatization are also covered. Prerequisite: ENGL 2320

ENTR 3301, Introduction to Entrepreneurship (3 semester hours)

An overview of the opportunity and evaluation process people, industry, and environment interact, create, and shape entrepreneurial opportunities. The focus is on creativity and innovation within entrepreneurial environmental context. Prerequisite: BUSA 1300

HIST 3310, History of Latin America (3 semester hours)

This course will cover a study of the political, social, economic, and cultural history of the people of the Rio Grande from early civilizations to the present. Prerequisite: HIST 1301

HIST 3311, World Civilization I (3 semester hours)

This course will cover a general survey of the history of the world's principle cultures from the beginning of civilization until the European Renaissance. Special attention is given to basic knowledge of World Geography. Prerequisite: GEOG 1303

HIST 3312, World Civilization II (3 semester hours)

This course will cover a general survey of the history of the world's principle cultures from the European Renaissance to the present Prerequisite: HIST 3311

HIST 3321, European History I (1500- 1815) (3 semester hours)

This course will cover the complex forces, movements, and economic developments in Europe from the Reformation to the end of the Napoleonic Wars. Prerequisite: HIST 1301

HIST 3322, European History II (1815-Present) (3 semester hours)

A survey of the History of Europe from the beginning of the nineteenth century to the present time, with an emphasis on economic structures, the development of Fascism, Communism, and Nazism. This course will cover the participation of Europe in the Second World War, and the events after that. Prerequisite: HIST 3321

HIST 3328, History of the African American People (3 semester hours)

This course is a topical survey of the historical legacy of the African American people. It begins with the origins of humankind and explores the impact of African culture and technology on Asia, Europe, and the Americas, prior to the rebirth and expansion of Europe. The struggles of African-American men and women for liberation are seen as an exciting chapter in the history of humanity. Prerequisite: HIST 1301 and HIST 2302

HIST 4301, Texas History (3 semester hours)

This course will cover the social, economic, and political development of Texas from the seventeenth century to the present. Prerequisite: HIST 2302

HIST 4311, U. S. in the 20th Century (3 semester hours)

This course will cover a study of the complex forces, movements, and economic developments in the United States, which culminated in World Wars I and II. An analysis of post-war developments and trends will be included. Prerequisite: HIST 2302

HIST 4312, Special Topics in History (3 semester hours)

This course is designed to give students exposure to advanced topics in areas of interest. May be repeated when topics vary. Prerequisite: Approval of Division Chairperson

HIST 4318, History of The Middle East (3 semester hours)

This course will offer a political, cultural, and economic study of the Middle East from the time of Muhammad to the present. Prerequisite: HIST 3312

HIST 4323, History of Africa (3 semester hours)

This course will offer a broad study of the historical development of Africa, south of the Sahara Desert. Prerequisite: HIST 3312

HONC 1101 – Freshman Honors Colloquium (1 semester hour)

The course covers contemporary ideas and issues while utilizing a wide variety of materials, including books of topical interest, editorials, essays, and reviews. Students will analyze and integrate the significance of selected events and interpret information in light of circumstances and history. The basic cognitive skills of vocabulary building, critical reading, thinking, and writing will be integral parts of class activities. This course will also be enhanced by presentations from guest lecturers and other resources.

FUND 1102, Foundations of Learning II (1 semester hour)

This is a continuance of Foundations of Learning I (FUND 1101) required course for freshmen and transfer students with 15 hours or less. The course is designed to help the advance skills and information necessary for successful matriculate at Paul Quinn College. The course is designed expand on a broad number of topics that will enhance successful student outcomes and retention. It is designed to help the student create greater success in college and in life. The student will learn additional strategies for creating greater academic, professional, and personal success through various approaches such as guided journaling and reflective writings will be used to help develop these strategies. The student will continue to be engaged in learning community cohorts and service learning integration as an integral part of the course. (1 credit hour)

GEOG 1303, World Geography (3 semester hours)

An introduction to modern geography, including regions and nations of the world, major types of land surfaces, climatic regions, water and mineral resources, and world distribution of populations. Map study will be given importance. No prerequisites required.

GOVT 2301, Government I (Texas & Federal Constitution) (3 semester hours)

This course is the study of the constitutional structure, function and role of government in Texas and at the national level. The course includes an examination of Texas public education laws. This course fulfills legislative requirements for Teacher Certification.

GOVT 2302, Government II (American Government) (3 semester hours)

A study of the federal government of the United States emphasizing the origins of the United States Constitution, its amendments, the principles of federalism, judicial interpretations, and political party developments.

GOVT 3301, American Constitutional Law (3 semester hours)

This course is an overview of the development of American constitutional principles, law, and judicial review as well as case decisions of the Federal Supreme Court.

GOVT 3310, American Political Parties (3 semester hours)

A study of the American party system, its organization and leadership; nominations, campaign suffrage, elections, and the expression of public opinion.

HLTH 2201, Fundamentals of Health (2 semester hours)

This course is designed specially for college students. It focuses on the most pressing issues and concerns facing students during their college years. The conceptual framework of the course is preparation for individual, self-directed health behavior.

HIST 1301, Survey of World Civilizations (3 semester hours)

This course will cover the application of social science concepts and terminology. This course presents a thematic overview of African, Asian, European, and American cultures from the earliest times to the present.

HIST 2300, History of The African Diaspora (3 semester hours)

This course will offer an introductory course exploring the historical and contemporary significance of African people on the continent and in the Diaspora. Emphasis is on African history and contributions to world civilizations; the impact of the slave trade, slavery, colonialism, and neo-colonialism; protest movements with emphasis on slave revolts, political movements, and ideologies such as Back to Africa, Black Power, and the civil rights movement in the U.S.A.; struggles for liberation and nationalist movements in Africa, the Caribbean and Latin America; Pan-African movements and developmental policies of African nations and the policies of external agencies affecting them.

HIST 2301, U. S. History I (3 semester hours)

This course will offer a general survey of the history of the United States until 1876.

HIST 2302, U. S. History II (3 semester hours)

This course will offer a general survey of the history of the United States after 1876. Prerequisite: HIST 2301.

LGLS 2302, Law and Politics (3 semester hours)

This course examines law as an integral part of the political process. Topics include American legal culture; legal socialization; legal decision-makers; the politics of formulating legal policy; the politics of implementing legal policy; and the effect of legal decisions on the operation of the political process. Lecture and intensive class discussion.

LGLS 3301, Property and Real Estate Law (3 Semester Hours)

Common law real property, deeds and conveyances, liens and encumbrances, easements and restrictive covenants, and conditional estates. Also leases, recording acts, brokers, contracts, title examination, title policies and surveys, and preparation of transactional documents.

LGLS 3307, Constitutional Law (3 Semester Hours)

Cases introduce general principles of federal constitutional law, including government authority and its distribution under the constitution; the judicial function in constitutional cases; powers delegated to the national government, and powers of the states in areas of federal authority; and intergovernmental relations. Rights, privileges, and immunities under the constitution; national citizenship; due process; equal protection; and the contract clause are also covered.

LGLS 3313, Fundamentals of Criminal Law (3 Semester Hours)

Examine definitions and sources of law and organization of judicial system. Representative substantive areas of law covered to develop case analysis, legal thinking, and writing. Codes of professional ethics for lawyers and non-lawyers.

LGLS 4303, Legal Research and Writing (3 Semester Hours)

Fact analysis, issue spotting, and legal problems involving statutes, digests, and case law. Assigned library research problems. Prepare Law office memoranda, legal briefs, and other common legal documents. Computer literacy highly recommended.

LGLS 4315, Family Law (3 semester hours)

A study of legal and attendant practical, social, legislative, and economic problems involved in the organization, operation, and dissolution of the family. Husband/wife (and other adult), parent/child and family/state relationships are considered critically in light of new developments in social structure, morals and technology.

MATH 0383, Developmental Math I (3 semester hours)

This course is designed to develop an understanding of fundamental operations using percentages, statistics, measurements, geometric figures, integers, algebraic expressions, polynomials, and rational numbers. Word problems associated with these subjects are also studied. Laboratory experiences will be provided in the Student Support Services Lab. This course does not satisfy the general education or elective credit requirement.

MATH 0393, Developmental Math II (3 semester hours)

This course is designed to develop an understanding of fundamental operations using percentages, statistics, measurements, geometric figures, integers, algebraic expressions, polynomials, and rational numbers. Word problems associated with these subjects are also studied. Laboratory experiences will be provided in the Student Support Services Lab. This course does not satisfy the general education or elective credit requirement.

MATH 1301, College Algebra (3 semester hours)

This is a study of algebraic equations and inequalities, the real number system, complex numbers, relations and functions, rational functions and conic sections, exponential and logarithmic functions, matrices and determinants, and the binomial theorem. Prerequisite: Satisfactory SAT, ACT, or placement test scores.

MATH 1302, College Trigonometry (3 semester hours)

This is a study of circular measure, trigonometric functions, equations and identities, Laws of Sine and Cosine, simple solutions of triangles, De Moivre's theorem, vectors, the dot product, exponential and logarithmic functions, rotation of axes, polar coordinates, polar equation of conic, and plane curves and parametric equations. Prerequisite: MATH 1301

MATH 1303, Basic Statistics (3 semester hours)

A study of elementary statistics including the examination of frequency distributions and measures of central tendency, and the calculation of tests of significance and simple correlation. Prerequisite: MATH 1301

HONC 1102 – Freshman Honors Colloquium (1 semester hour)

This course emphasizes critical thinking, self-expression, and writing with a continued focus on contemporary events and issues, class presentations, research skills, and other appropriate pedagogues. The expressions involving opposing points of view, basic logic and argumentative writing will be used.

HONC 2101 – Sophomore Honors Colloquium (1 semester hour)

This course will focus on literature with emphasis on selected works to include current and classical materials and ethnic literary works not covered in the General Education Core courses.

HONC 2102 – Sophomore Honors Colloquium (1 semester hour)

This course will emphasize a comprehensive approach whereby students will be required to complete a detailed analysis of topics and works presented. The topics selected will be determined by the current trends pertinent to various disciplines with a continued emphasis on the development of critical thinking, reading, and writing skills.

HONC 3101 – Junior Honors Colloquium (1 semester hour)

This course will provide an enhancement in the preparation for the honors thesis or the creative project. The basic skills will be developed and a review or introduction to basic statistics used in reporting data will be addressed.

HONC 3102 – Junior Honors Colloquium (1 semester hour)

This course will continue to provide an enhancement in the preparation for the honors thesis or the creative project with an emphasis on the critical examination of basic mathematical concepts used in interpreting and reporting data.

HONR 4101 – Senior Honors Research I (1 semester hour)

This course requires the student to work closely with a faculty member on a scholarly research or creative project in the area of the student's major field of study. The course further provides an opportunity for the honor student and the designated senior faculty thesis or project advisor to develop project a plan and timelines for implementation and completion. The project proposal for the intended study must be submitted to the *Director of The Honors College* for approval prior to the end of the first two weeks of the semester. The approved project is for the honor student to demonstrate his or her command of the research techniques, conceptual frameworks, and intellectual skills that are appropriate to the field of the work chosen.

HR 4102 – Senior Honors Research II (1 Semester Hour)

This course provides the student an opportunity to continue the pursuit of an approved research or creative project to completion under the direction and guidance of the designated senior thesis or creative project advisor. Even though the scope of the research of the project is on a smaller scale than that required of a graduate student, the technique, accuracy, and logical presentation will be required by the honor student in the writing and formal defense of the research thesis or creative project.

HUMA 1301, Humanities (3 semester hours)

This course is designed to provide students with a variety of fine arts, including painting, print making, sculpture, and music (classical and jazz). These experiences will help students to develop a deeper appreciation for the arts.

LGLS 2301, Introduction to Legal Studies (3 semester hours)

This course provides students with an overview of the structure and operations of American law and the American legal system. It offers examples of the types of topics treated in depth in substantive legal studies courses. This course introduces the student to the nature, functions, limitations and operations of law as an institution in modern society. Various jurisprudential approaches are examined. Also, selected problems of law, power, moral, social and economic stratifications are studied. Heavy emphasis is placed on the law as a social, political, and economic institution, and various empirical studies of the law in action will be studied in detail.

MATH 4341, Special Problems In Mathematics (3 semester hours)

This course is designed to give students exposure to advanced topics in areas of interest. May be repeated when topics vary.
Prerequisite: Approval of Division Chair

MGMT 3310, Production And Operations Management (3 semester hours)

Management of the production function focusing on productivity, quality and profitability including production design, resource requirement planning, facility location and distribution system design.
Prerequisite: BUS 3322

MGMT 3314, Principles of Management (3 semester hours)

Management philosophy, planning, organizing, supervising, staffing, controlling, and decision-making processes. Prerequisite: BUSA 2301

MGMT 3315, Human Resource Management (3 semester hours)

Principles, policies, and practices involved with administering to personnel department, such as recruitment, employment, placement, training, evaluation, promotion, retirement, records, reports, supervision, and management. Prerequisite: MGMT 3314

MGMT 3317, Organizational Behavior (3 semester hours)

An analysis of interpersonal relations and interactions, group dynamics, development of effective work groups and influence of the organization system on behavior. Prerequisites: MGMT 3314

MGMT 3318, Business Ethics and Social Responsibility (3 semester hours)

Designed to help students understand moral issues; develop a framework in which to consider national and international business issues; apply perspective to ethical issues; and study the effects ethical decision-making has on the individual, cooperation, and society. Prerequisites: BUSA 2301, MGMT 3314, and MKTG 3301

MGMT 4302, Small Business Management (3 semester hours)

Principles and problems of organizing and operating a small business, with special emphasis on personal qualifications, capital requirements, location, and sources of assistance.

MGMT 4303, Industrial Labor Relations (3 semester hours)

An analysis of the labor relations process, background of rights and responsibilities of labor and management, negotiation and administration of the labor agreement, collective bargaining issues, and emerging labor relations process. Prerequisite: MGMT 3314

MGMT 4307, Managerial Economics (3 semester hours)

A study of the individual firm apart from that of the entire industry. The topics include the pricing process, the nature of the market, changes in the prices of the agents of production by the individual firm, problems and policies of business planning, forecasting dynamics, conditions, and business risks. Prerequisite: MGMT 3314

MGMT 4309, Topical Seminar (3 semester hours)

Advanced topics in management/leadership and topics not adequately covered in the published curriculum. Prerequisite: Consent of the instructor.

MGMT 4325, Internship in Management (3 semester hours)

Supervised work experience in a business-related position with a public agency, private business, or organization.

MKTG 3301, Principles of Marketing (3 semester hours)

Principles and methods of marketing and analysis of market structure. Dynamic nature of American business studied, taking into consideration factors that produce changing business patterns. Prerequisite: BUSA 2301

MATH 1304, Analytic Geometry (3 semester hours)

This course is the study of two and three dimensional spaces, distances, straight lines, conic sections, transformation of coordinates, and polar coordinates. Prerequisite: MATH 1302.

MATH 2311, Calculus I (3 semester hours)

This is an introduction to functions and relations, limits and continuity, graphs, derivatives, the integration of algebraic functions, product and quotient formulae, higher order derivatives, and maxim and minima. Prerequisite: MATH 1302

MATH 2312, Calculus II (3 semester hours)

Continuation of MATH 2311 that includes differentiation and integration of trigonometric functions, exponential and logarithmic functions, Rolle's Mean Value Theorems, areas and volumes, and various techniques of integration and reduction. Prerequisite: MATH 2311

MATH 2322, Linear Algebra (3 semester hours)

A study of abstract systems, vector spaces, linear transformation matrices, linear equations and determinants, canonical form for similarity, metric concepts, combinatorial equivalence, and functions of matrices. Prerequisite: MATH 1302 with Division Chair approval

MATH 3311, Calculus III (3 semester hours)

The course will include advanced topics of improper integrals, solid analytical geometry differential, and integral calculus in two and three dimensions as well as partial differentiation, gradient, divergence and curls; line, surface and volume integrals with applications. Prerequisite: MATH 2312

MATH 3322, Differential Equations (3 semester hours)

The solutions of equations of the first order and other degree applications, Laplace, transform solutions in series, and partial differential equations. Prerequisite: MATH 2312

MATH 3373, Modern Algebra (3 semester hours)

An introduction to set theory, congruencies, equivalence relations, theory of groups, Cayley's Theorem, theory of rings, Euclidean Domains, prime and maximal ideals, vector space, quotient spaces, fields, algebraic extensions, and constructions with a straightedge and compass. Prerequisite: MATH 1302 with Division Chair approval

MATH 4101, Mathematics Seminar (3 semester hours)

Reports and discussions of current topics in mathematics. May be repeated for credit with different topics for a maximum of three times. Prerequisite: consent of Division Chair

MATH 4301, Numerical Analysis (Same as COSC 3333) (3 semester hours)

This course is designed to focus on numerical methods in computer programming with applications for scientist and engineers. The knowledge of one computer language is needed to succeed in the course. Prerequisites: MATH 2312 with Division Chair approval

MATH 4302, Complex Variables (3 semester hours)

An introduction to analytic and harmonic functions, Cauchy Riemann equations, integral representation of analytical functions, the Cauchy Integral Theorem, the Theorem of Morera and Liouville, Laurent series, residues, and conformal mapping. Prerequisites: MATH 3311 and Division Chair approval

MATH 4322, Advanced Statistics (3 semester hours)

This course is a mathematical study of Probability and Random Variables oriented to the understanding of Stochastic Processes, Mark-off Processes, Queuing Theory, and other special topics related to Spectral Estimation and Entropy. Prerequisites: MATH 1303 and MATH 2311

MUSI 2300, Music Literature (3 semester hours)

This course covers the study of music literature from a variety of genres and ethnic groups through the ages. Emphasis will be placed on spiritual, jazz, symphonic, lyric and choral compositions.

MUSI 2311, Applied Music (3 semester hours)

Applied principles with an emphasis on hearing pitches accurately and singing and writing of rhythms and pitches associated with solfege and standard music notation. Principles of applied musicianship used to perform actual musical composition in a variety of styles and idioms.

MUSI 3301, Music History (3 semester hours)

This course covers a comprehensive study of the historical and stylistic growth of music from antiquity to the present.

MUSI 3343, Teaching Music in the Elementary School (3 semester hours)

This course focuses upon the significance of music and the general music curriculum in an elementary school setting.

ORMA 3301, Adult Development and Life Assessment (3 semester hours)

Introduces adult's learner to adult development theory and links these concepts to life through a process of individual reflection. Both classical and contemporary adult development theory are examined. These theories then provide the paradigm for self-analysis and life assessments, the basis for understanding individuals within organizations.

ORMA 3302, Group and Organizational Dynamics (3 semester hours)

Study of group behavior and how group functioning affects organizational effectiveness. Emphasis is placed on decision-making and resolving conflicts in groups. Adult learners develop strategies for efficient and productive group management and determine which tasks groups or individuals handle.

ORMA 3303, Systems Approach to Organizational Change (3 semester hours)

Adult learners examine the formal and informal functions of organizations and analyze agencies or organizations based on systems model. Adult learners will also analyze and solve organizational problems using a step-by-step method. This analysis will be applied to adult learners' work-related independent projects.

ORMA 3304, Organizational Communication (3 semester hours)

This course investigates communication and relationships in creating a productive work environment. Effectiveness in personal and social relationships is also covered through readings and exercises involving non-verbal communication, constructive feedback, dealing with anger, and resolving conflict.

ORMA 3405, An Introduction to Research and Analysis Using Statistics (4 semester hours)

Problem analysis and evaluation techniques are presented. Adult learners are shown methods for defining, researching, analyzing, and evaluating a problem in their work or vocational environments that they have selected for independent study project. Specific statistical information covered in the course includes identifying and measuring objectives, collecting data, working with significance levels, and analyzing variance and constructing questionnaires.

ORMA 3306, Managerial Accounting (3 semester hours)

This model will focus on three levels of analysis and its effect upon the cost centers and profit centers. These areas will be addressed as they relate to cost accounting, cost-volume-profit analysis, budgeting, variance analysis and relevant cost for decision-making. Adult learners will be expected to apply concepts in earlier courses in accounting

ORMA 3307, Human Resource Management (3 semester hours)

Adult learners explore the values and perceptions of selected groups affecting social and economic life through an analysis of policies and practices of recruitment selection, training, development and compensation of employees. Special attention is given to Equal Opportunity and Office of Safety and Health Administration legislation through a series of case studies and simulations.

MKTG 3303, Retailing (3 semester hours)

Fundamental operations of retail institutions. Consideration given to store location, merchandising, sales promotion, inventory control, and store organizations. Prerequisite: MKGT 3301

MKTG 3304, Consumer Behavior (3 semester hours)

Analysis of psychological, sociological, and cultural aspects of human behavior affecting Consumer's action in market place. Consumer purchase decision process analyzed. Prerequisite: MKGT 3301

MKTG 3311, Marketing Communications Strategy (3 semester hours)

Study of the fundamental principles of selling, the economic problems connected with personal selling and analysis of the product and the market, the interview, and building good will. Prerequisite: MKGT 3301

MKTG 4301, Marketing Research (3 semester hours)

Study of methods of collecting and analyzing information to be used in determining marketing strategy and making marketing decisions. Prerequisite: MKGT 3301

MKTG 4302, Marketing Management (3 semester hours)

Emphasis directed to forecasting, marketing analysis, cost analysis, communications, and selection of appropriate strategies. Prerequisite: MKGT 3301

MKTG 4303, Promotional Strategies (3 semester hours)

Study of sales promotion activities of business firms; analysis of consumer buying behavior, motivation, personal strategies and selling; advertising and sales promotional technology, the development of an integrated promotional plan. Prerequisite MKGT 3301

MKTG 4309, Topical Seminar (3 semester hours)

Advanced topics in marketing leadership and topics not covered in the published curriculum. Prerequisite: Consent of instructor

MKTG 4325, Internship in Marketing (3 semester hours)

Supervised work experience in a business-related position with a public agency, private business, or organization.

MUSI 1101, Performing Arts – Choir (1 semester hour)

Choir is a mixed ensemble selected by auditions. Representative works from standard choral literature of all the major artistic periods will be learned and performed each semester. Music majors (except Instrumental majors) must take Choir for eight semesters. Credit will be given for only four semesters. Non-music majors may take Choir for eight semesters and receive one credit each semester.

MUSI 1111, Performing Arts – Jazz Band (1 semester hour)

Provides an introduction to the basic principles of Jazz with practical study of scales, patterns, chord progressions and major style developments in the tradition of Jazz. May be repeated for credit.

MUSI 1311, Music Theory I (3 semester hours)

Covers the fundamentals of music theory and includes the study of scale and chord formation and recognition of melodic and harmonic intervals, chords and inversions, transposition, meter and rhythmic counting. Emphasis will be placed on the study of all keys, major and minor.

MUSI 1312, Music Theory II (3 semester hours)

This course offers a continuation of Music Theory I with the introduction of passing tones and seventh chords with their (dominant and non-dominant) inversion. Harmonization of melodies, figured, and un-figured basses. Elementary and advanced modulation practices will also be studied.

PHED 2301, Internship I (3 semester hours)

This course is designed to provide an introduction and orientation to the field of physical education/human performance and wellness. An overview of the philosophical and historical heritage of the field is presented; current trends and issues are discussed. Forty-five hours of introductory field observations are required.

PHED 3301, Internship II (3 semester hours)

This course is designed to supplement the physical education and recreation courses with experiences at agencies to provide broad-based participation in field observations and volunteer work. This course will investigate the nature, scope and impact that recreation and leisure activities have on society. The basic requirements include one hundred and fifty (150) hours of field experiences at recreation centers, after-school programs, senior activity centers, fitness/wellness centers, hospitals and other organizations.

PHED 3302, Sociology of Sports (3 semester hours)

This course offers a sociological and psychological interpretation of modern sports. The course includes an in-depth analysis of rules, crowd response, and sociological demands of the athlete.

PHED 3303, History and Principles of Physical Education (3 semester hours)

This course includes a brief history and review of major objectives of the Area of Physical Education. Basic principles of the profession, as well as the sources of these principles, are included. This course is designed to serve as an introductory course for all students interested in pursuing careers related to Physical Education.

PHED 3304, Physiology of Exercise (3 semester hours)

This course covers a study of the physiological effects of exercise upon the human body and the relationship of these effects to physical education programs and athletics.

PHED 3305, Tests, Measurements, and Evaluation in Physical Education (3 semester hours)

This course is designed to assist prospective teachers of Physical Education in developing the skills to test, measure, and evaluate students who participate in their programs. It will enable the individual to understand essential statistical techniques, relevant measurement theory, and available tests which enables the creative instructor of Physical Education to develop valid methods of testing, measuring, and evaluating students.

PHED 3306, Physical Education for Special Individuals (3 semester hours)

This course embraces adapted, corrective, and developmental physical education activities. Adapted activities will be presented for the mentally, physically, emotionally, and socially handicapped, with corrective physical education activities and body mechanics, and with developmental physical education and physical fitness.

PHED 3307, Kinesiology (3 semester hours)

This course places emphasis upon the analysis of both structural and functional human motion. The course also includes scientific information concerned with the mechanical laws of nature and their effects upon physical education.

PHED 3308, First Aid (3 semester hours)

This course is designed to provide students with the knowledge and skills to recognize and provide basic care for injuries and sudden illness until competent medical personnel arrive. Students will be exposed to standard procedures for dealing with head to toe examinations, shock signs, head, neck and spinal injuries, strokes, bleeding response, burn care, poisoning, splints, CPR and other emergency responses.

PHED 3309, Physical Education Strategies (3 semester hours)

This experience is designed to assist the prospective teacher/non-teacher to develop plans, materials, strategies and present physical education concepts to students in grades Pre-K-12 and other settings (recreation centers, senior citizens facilities, etc.) State and national standards are incorporated into the lessons. Classroom presentations and field experiences are required.

ORMA 4108, Senior Action Research Project I (1 semester hour)

The Action Research project is a major research effort designed to enhance knowledge in an area related to one's work or community and provide research skills to assist in effective decision-making. The adult learner completes a research project related to his/her employment environment. Statistical analysis concepts and methods assist the adult learner in identifying a topic, collecting data, and measuring results. A college faculty member monitors the progress of the independent study, and an on-site contact makes certain that the adult learner devotes at least 200 clock hours to the project. Each adult learner gives an oral report of project findings in this semester.

ORMA 4309, Issues in Management (3 semester hours)

Adult learners examine motivational theory and its application to individual and group functioning in work and home situations. Leadership styles related to particular circumstances are analyzed. Negotiation is covered through reading and class practice, with an analysis of the effect on productivity.

ORMA 4310, Managerial Economics (3 semester hours)

This course covers the principals of economics, as they need to be understood and utilized by managers and supervisors in all fields. The internationalization of our economy and possible actions affecting economics in all types of organizations will be included.

ORMA 4311, Managerial Finance (3 semester hours)

Principles of economics necessary to equip managers and supervisors for effective decision-making and leadership are presented. Special consideration will be given to financial markets, the investment decision by the firm, the efficient market theory and the financing decision. Specific economic concepts will be applied to problem solving in the manager's workplace.

ORMA 4312, Managerial Marketing (3 semester hours)

Principles of marketing that need to be understood by managers in all areas in order to develop and utilize effective marketing practices are examined. Concepts of our global economy, including major social, psychological, and political influences, will be explored and their marketing implications considered from a manager's perspective.

ORMA 4313, Strategic Planning (3 semester hours)

This course introduces adult learners to various management planning models and techniques and applies these to business cases. It stresses the concepts of strategic planning and strategic management.

ORMA 4314, Personal Values and Organizational Ethics (3 semester hours)

Several major ethical theories are reviewed. Adult learners are asked to examine personal values through readings and workplace analysis to formulate a management philosophy incorporating business ethics, government accountability, human rights, and a responsible lifestyle in the contemporary world.

ORMA 4315, Senior Action Research Project II (3 semester hours)

The Action Research project is a major research effort designed to enhance knowledge in an area related to one's work or community and provide research skills to assist in effective decision-making. The adult learner completes a research project related to his/her employment environment. Statistical analysis concepts and methods assist the adult learner in identifying a topic, collecting data, and measuring results. A college faculty member monitors the progress of the independent study, and an on-site contact makes certain that the adult learner devotes at least 200 clock hours to the project. Each adult learner gives an oral report of project findings in this semester.

PHED 1101, Physical Activities I (1 semester hour)

The focus of this course is on areas affecting the overall health, energy and ability to perform daily tasks and activities. Team sports are emphasized.

PHED 1102, PHYSICAL ACTIVITIES II (1 semester hour)

This course focuses on the eleven components of physical fitness assessments are included. Lifetime physical fitness will be emphasized as well as individual sports.

PSYC 2314, Developmental Psychology (3 semester hours)

This course is a study of human growth, development, and behavior. Emphasis is on psychological changes during life. Processes of life from prenatal beginnings through adulthood and aging are included.

PSYC 2319, Social Psychology: Society and Diversity (3 semester hours)

Theories of individual behavior in the social environment are surveyed. The course focuses on techniques of diversity to reduce social problems and daily life activities. The problems of ethnicity, age, and gender in areas such as business, health occupations, social service agencies, and interpersonal relationships are discussed.

PSYC 3317, Quantitative Methods in Behavioral Sciences (3 semester hours)

This course focuses on the use of statistical procedures utilized in psychology, counseling, rehabilitation, and other social/behavioral sciences. The course emphasizes the use of descriptive statistics and inferential statistics.

PSYC 3350, Family and Relational Dysfunctions (3 semester hours)

This course examines how psychological disorders, substance abuse and addictions (dual diagnoses) impact individual, relational, and family functioning. The course conceptualizes dysfunctions from the diathesis stress model (a bio-psychosocial approach).

PSYC 4310, Research Methods (3 semester hours)

This course pertains to research aspects of psychology and related disciplines. This course explores the use of various research techniques utilized in basic and applied psychological studies. Also examined is the use of descriptive studies, experimental studies, case studies, and other methodologies.

PSYC 4350, Psychometrics: Forensic Addictions Assessment (3 semester hours)

This course provides an overview of the administration and development of psychological and behavior assessments. This course also focuses on forensic interviews, screenings, and addiction tools used by rehabilitation centers, courts, and other human service agencies. Students learn to systematically gather data from clients and other sources; to use psycho-social instruments that are sensitive to age, gender, and culture, and to apply accepted criteria in diagnosing substance abuse disorders and other addictions. Students will learn to make referrals and treatment recommendations based on assessments.

PSYC 4360, Addictions and Dysfunctional Behavior (3 semester hours)

This course examines the addiction process, including, but not limited to the process of change and relapse. This course also examines the dual or co-existing psychological disorders commonly seen among those with addictions. Also emphasized are disorders based on the DSM (Diagnostic Statistical Manual of Mental Disorders) and other clinically related tools, such as the ICD (International Classification of Diseases).

PSYC 4370, Behavior Modification/Rehabilitative Techniques (3 semester hours)

This course examines a broad overview of theories, interventions, and measures utilized by rehabilitation programs serving those with dual or co-existing conditions (substance abuse and psychological disorders).

PSYC 4380, Historical/Contemporary Issues of Psychology (3 semester hours)

This course provides a historical and contemporary overview of the major psychological forces and systems of psychology. This course will include, but not be limited to, structuralism, functionalism, psychoanalytic theory, psychodynamic theories, behaviorism, learning theories, humanistic-existentialism, cognitive theories, and multiculturalism.

PSYC 4390, Internship or Field Experience (3 semester hours)

Practical, general workplace training is supported by an individualized learning plan developed by the employer, college, and student. This is a work-based learning experience that helps students gain practical experience, enhanced skills, and integrated knowledge in the field of psychology and related disciplines. Direct supervision will be provided by a clinical professional.

READ 0383, Developmental Reading I (3 semester hours)

This course focuses on improving reading comprehension and vocabulary skills. Course topics include determining main ideas and developing critical thinking techniques. Basic study skills are also introduced. A learning laboratory is available in Student

PHED 4301, Organization & Administration of Physical Education Programs, Including Athletics (3 semester hours)

This course provides information and experiences relative to basic principles involved in organizing, supervising, developing, managing and administering physical education programs, including athletics in Elementary, Middle, and Secondary schools, as well as, College.

PHED 4302, The Psychology of Coaching (3 semester hours)

This course includes principles and techniques applicable to providing instruction in sports, and to pointing out the relationship of meaningful learning to successful athletic coaching.

PHED 4304, Coaching Principles (3 semester hours)

This course includes a study of the basic science of coaching interscholastic sports events. It provides opportunities to study the sports and to gain experience through visits and working with coaches and other sports officials.

PHED 4305, Internship III (3 semester hours)

This course is designed to provide a clinical experience for students pursuing a human performance and wellness degree. A one-semester internship program, at least twelve weeks, is required. Students may do the internship at one, two or three different sites (eighth weeks, four weeks or two and one half weeks at each site). Field experiences should be used to determine the site (s) for the internship assignment. One or more faculty members will supervise the internship. A written agreement listing the expectations for each internship will be provided to the supervisor at each site. Written evaluations are required from the supervisors at the internship sites and the faculty members supervising the interns.

PHED 4306, Professional Aesthetic Activities (3 semester hours)

This course is designed to give students an understanding of the history of the art and science of movement related to physical education activities. The focus will be the study of movement and rhythmic activities. These activities will be explored as ways to develop behaviors and attitudes that promote physical fitness and wellness.

PHYS 1415, Physical Science (4 semester hours)

This course is a survey of the Physical Sciences for non-science majors. The topics included in the course are physics, chemistry, geology, and astronomy. The Physics unit will present the concept of measurement in relativity and the nuclear age. The unit in chemistry will start with the chemical elements and end with the basic understanding of the ozone, and the atmosphere, and pollution. The Geology unit will include topics from the basic concepts and techniques of environmental geology. The final unit will cover basic concepts in Astronomy from the motion in the heavens to cosmology. This course includes a laboratory. Laboratory Fee

PHYS 3411, General Physics I (4 semester hours)

An algebra-based treatment of the laws of mechanics, heat, and sound. Focused attention is given to the solution of mathematical problems illustrating natural laws. This course is designed for all Non-Technical Science majors not pursuing a minor in Physics (e.g., Pre-Medicine, Biology, etc.). Prerequisite: MATH 1301. Laboratory Fee

PHYS 3412, General Physics II (4 semester hours)

The second part of the algebra-based course of PHYS. 3411. This course will include the following areas of coverage: electrostatics, magnetism and charges in motion, optics, and special relativity and introduction to modern concepts in physics. Prerequisite: PHYS 3411. Laboratory Fee

PSYC 2301, Introduction to Psychology (3 semester hours)

Introduction to Psychology surveys major topics in the study of behavior. Factors which determine and affect behavior are examined. Psychological principles are applied to human experience.

PSYC 2306, Psychology of Sexuality (3 semester hours)

This course examines the developmental aspects of human sexuality. The course provides an overview of gender issues, sexual dysfunctions, and communicable diseases.

RECR 4306, Outdoor Recreation (3 semester hours)

This course is designed to prepare students to provide instruction for out door recreation. Emphasis is placed on camping, fishing, and hunting and other activities.

RELI 1301, Ethics and Logic (3 semester hours)

This course provides a general framework for studying historical and contemporary Christian ethical beliefs. The course objective is to sharpen critical thinking skills and dimensions of decision making in selected areas, and to identify new ways of communicating Christian values in a pluralistic society.

RELI 2313, Survey of the Old Testament (3 semester hours)

This course offers an exploration of the historical, cultural, and theological background of the Old Testament as expressed in the Law, Prophets, and other writings.

RELI 2323, Survey of the New Testament (3 semester hours)

This course is an introduction to the New Testament studies focusing on the origin of Christianity and the New Testament's social, political, and cultural settings.

RELI 3330, The Ministry of the Black Church (3 semester hours)

This course examines the historical and sociological role that the minister has played in the Black community. Focus is on the way the special leadership styles and posturing affects the Black Church.

RELI 3343, Church Administration (3 semester hours)

This course deals with various aspects of church leadership, including conducting public worship, directing the business affairs of the church and promoting Christian stewardship and responsible giving.

RELI 3363, History of Christianity (3 semester hours)

This course is a survey course on Church history, which begins with the origin of the primitive Christian movement through the rise and spread of Christianity, and ideas in present day Christianity. Prerequisite: REL 1301 or approval by the instructor.

RELI 3393, Psychology of Religion (3 semester hours)

This course is an exploration of religious experiences using schools of psychological thought. This course is applicable toward a minor in Psychology.

RELI 3313, African Religions and Philosophies (3 semester hours)

A study of the consciousness, spirituality, and conceptions of social reality in African symbol systems, including a critical examination of existence, being, fate, time, and its relation to myth, ritual, and oral traditions.

RELI 4301, Introduction to Theology (3 semester hours)

This course covers the study of theological leaders and issues including developments in Christian theology during the twentieth century.

RELI 4302, Homiletics: Prep & Delivery of Sermons (3 semester hours)

This course offers an exploration of the art of preaching and the opportunity to study formal elements of a sermon. The student will deliver a prepared sermonic manuscript. Prerequisite: REL 2323 or approval by the instructor.

RELI 4303, Sociology of Religion (3 semester hours)

This course offers a focus on sociological interpretations of religion.

RELI 4330, Topical Seminar in Theology (3 semester hours)

A seminar which focuses on selected topics related to Christian theology. Prerequisite: REL 4301

RELI 4333, Topical Seminar in Old Testament Studies (3 semester hours)

A seminar on selected topics related to the Old Testament.

Support Services to provide individualized assistance. This course does not satisfy the general education or elective requirements.

READ 0393, Developmental Reading II (3 semester hours)

This course continues the development of reading comprehension and vocabulary building. Emphasis is placed on determining main ideas, critical thinking and evaluating the writer's technique. Study skills are also included. A learning laboratory is available in Student Support Services to provide individualized assistance. This course does not satisfy the general education or elective requirements.

READ 3301, Emergent Literacy (3 semester hours)

This course teaches the skills essential for nurturing early literacy development (oral language, reading and writing) for young children. Areas of focus include: research, theories, developmental trends and instructional materials, methods and strategies for grades EC-4.

READ 3303, Reading in the Content Areas (3 semester hours)

This course is designed to study theories, research, processes, strategies, practical applications, as well as the selection, administration and evaluation of assessment instruments appropriate for diagnosing and correcting classroom reading difficulties. Strategies are presented for teaching reading across the curriculum.

READ 3304, Reading in the Elementary School (3 semester hours)

This course is designed to prepare the EC-6 grade teacher to understand the English/Language Arts and Reading TEKS, strategies for instruction, current research, Lesson planning, monitoring/assessment of instruction and use of a variety of reading Programs/materials.

READ 4301, Diagnostic Teaching of Reading (3 semester hours)

This course is designed to prepare the students to select, administer, evaluate and assess the instructional techniques appropriate for diagnosing, intervening and correcting Reading difficulties experienced by EC-12 students. Field based observations and follow-up experiences will be incorporated in this course. Students will be required to do case studies, research on effective reading approaches and apply strategies.

REAL 2300, Principles of Real Estate (3 semester hours)

A survey of real estate principles, including real estate market, financial, investment, and legal analysis. Home ownership and real estate investment for personal benefit are emphasized.

REAL 3301, Real Estate Agency (3 semester hours)

Creation, termination, and practice of real estate agency relationship in regards to traditional leasing and marketing of property. Subagency, buyers, agents, and dual agency theory and practice are presented as required by all persons seeking a Texas Real Estate License.

REAL 4300, Property Management (3 semester hours)

Examination of the process and methods of managing real property assets. Topics include property leasing, marketing, maintenance, personal supervision, value analysis, taxation, and cash-flow analysis. Prerequisite: REAL 2300

RECR 3311, Leadership in Recreation (3 semester hours)

This course is designed to present theories, principles, and practices of recreational leadership. The course also includes a study of program planning and organization, and the implementation of leisure time programs in public and private recreation settings.

RECR 3353, Introduction to Recreation (3 semester hours)

This course emphasizes the history and foundation of the recreation movement in America. Emphasis is placed on the cultural significance to recreation and the relationship of recreation to the totality of life.

SPAN 3353, Spanish Culture and Civilization (3 semester hours)

This course is a survey of Peninsular Spanish Culture and Civilization with an overview of the historical and cultural development of Spain, from its origin to the present. It is the study of the evolution of Spain as a modern European state and a center for intellectual and artistic creation. Prerequisite: SPAN 2302 or approval by the instructor

SPAN 3354, Spanish-American Culture and Civilization (3 semester hours)

This course is a survey of Spanish-American Culture and Civilization with an overview of the historical and cultural development of Spanish-American societies from their origin to the present. Conducted in Spanish. Prerequisite: SPAN 2302 or approval by the instructor

SPAN 3355, Advanced Spanish Conversation (3 semester hours)

This is an advanced course in Spanish Conversation intended to increase active command of the Spanish language. Prerequisite: Approval of instructor or division chair

SPAN 3356, Advanced Spanish Grammar (3 semester hours)

This is an advanced and thorough study of the Spanish Grammar. Special focus on the subtle differences in the Spanish language. Extensive oral and written practice of advanced Spanish grammar structures Prerequisite: Approval of instructor or division chair

SPAN 4310, Spanish Literature Before 1700 (3 semester hours)

This is a survey course conducted in Spanish. It is an introduction to Spanish prose, drama, lyric and narrative poetry from its beginning through the Golden Age. Prerequisite: Approval of instructor or division chair

SPAN 4311, Spanish Literature Since 1700 (3 semester hours)

This is a survey course conducted in Spanish. It is an introduction to the Spanish prose, drama and poetry of Spain since the 1700 to the present, and its influence in world literature. Prerequisite: Approval of instructor or division chair

SPAN 4315, Spanish-American Literature to 1888 (3 semester hours)

This course is the study of literary figures and trends in the Spanish-American countries from the Conquest to the Modernism. The class will be conducted in Spanish. Prerequisite: Approval of instructor or division chair

SPAN 4316, Spanish-American Literature Since 1888 (3 semester hours)

This course is the study of literary figures and trends in the Spanish-American countries from the Modernism to the present. The class will be conducted in Spanish. Prerequisite: Approval of instructor or division chair

SPAN 4375, The Spanish American Short Story (3 semester hours)

This course studies the evolution of the short story in Spanish America through the in-depth study of various short stories written by various Spanish American authors. Prerequisite: Approval of instructor or division chair

SPAN 4376, The Spanish American Novel (3 semester hours)

This course studies the evolution of the Spanish American novel since its beginning through the analysis of master works written by several Spanish American writers. Prerequisite: Approval of instructor or division chair

SPAN 4377, The Spanish American Poetry (3 semester hours)

This course studies the poetry of major Spanish American poets with an emphasis on the poets of the Modernism and the great poets of the 20th Century. Prerequisite: Approval of instructor or division chair

SPAN 4378, Don Quijote (3 semester hours)

This course is an in-depth study of Cervantes' masterpiece "Don Quijote de la Mancha". Prerequisite: Approval of instructor or division chair

RELI 4343 Topical Seminar in New Testament Studies (3 semester hours)

A seminar on selected topics related to the New Testament.

RELI 4353, Internship (3 semester hours)

Fieldwork with seminar. Prerequisite: Minimum of eighteen semester hours in Religion and approval of the Division Chair.

SPAN 1301, Elementary Spanish I (3 semester hours)

This is an intensive first semester of the elementary foreign language courses, which fully integrates audio-visuals and computer technologies. The course is designed to teach the student pronunciation, vocabulary, grammar and sentence structure. The primary purpose of this course is to develop the student's ability and confidence to communicate in the Spanish language, to develop their ability to read, write, speak and understand spoken Spanish in a variety of contexts. Culture is an integral component of this course.

SPAN 1302, Elementary Spanish II (3 semester hours)

This is an intensive second semester of the elementary foreign language courses, which fully integrates audio-visuals and computer technologies. The course is designed to continue to teach the student pronunciation, vocabulary, grammar and sentence structure. The primary purpose of this course is to continue to develop the student's ability and confidence to communicate in the Spanish language, to develop their ability to read, write, speak and understand spoken Spanish in a variety of contexts. Culture is an integral component of this course. Prerequisite: SPAN 1301

SPAN 2301, Intermediate Spanish I (3 semester hours)

This is the first semester of an intensive intermediate foreign language course, which fully integrates audio-visuals and computer technologies. This course is an in-depth review of the grammar learned in the first year Spanish. The primary purpose of this course is to continue to develop the student's ability and confidence to communicate in the Spanish language, to develop their ability to read, write, speak and understand spoken Spanish in a variety of contexts. Culture is an integral component of this course. Prerequisite: SPAN 1302 or approval by the instructor

SPAN 2302, Intermediate Spanish II (3 semester hours)

This is the second semester of an intensive intermediate foreign language course, which fully integrates audio-visuals and computer technologies. This course is a continuation of an in-depth review of the grammar learned during the first year Spanish and the first semester of the intermediate Spanish course. The primary purpose of this course is to continue to develop the student's ability and confidence to communicate in the Spanish language, to continue to develop their ability to read, write, speak and understand spoken Spanish in a variety of contexts. Culture is an integral component of this course. Prerequisite: SPAN 2301 or approval by the instructor

SPAN 3311, Conversational Spanish and Composition I (3 semester hours)

This is the first semester of an advanced course to stimulate practical command of the language and an increased study of idiomatic expressions and correct speech patterns, modulation and expression in daily conversation. Students will read and make commentary of texts related to the Humanities and literary Spanish creation to produce compositions in fluid and brief Spanish narratives. Prerequisite: SPAN 2302 or approval by the instructor

SPAN 3312, Conversational Spanish and Composition II (3 semester hours)

This is the continuation, second semester of Spanish 3311. This course focuses on advanced oral and written proficiency in Spanish. There is an extensive use of advanced grammar for written compositions on contemporary material. This course will stimulate practical command of the language and an increased study of idiomatic expressions and correct speech patterns, modulation and expression in daily conversation. Students will read and make commentary of texts related to the Humanities and literary Spanish creation to produce compositions in fluid and brief Spanish narratives. Prerequisite: SPAN 3311 or approval by the instructor

SPAN 4380, Special Topics (3 semester hours)

This course will cover any of the many interesting aspects of the Literature of the Spanish speaking world not covered in any of the regular established courses in the Spanish curriculum. Prerequisite: Approval of instructor or division chair

SPED 3301, Exceptional Learners (3 semester hours)

An introduction to major areas of exceptionality, focusing on legislation and research requiring an appropriate education for all children. Students will acquire information related to intervention strategies, methods, materials and adaptations, as well as being made aware of other available personnel and related services required and dictated by legislation.

TTKS 1201, Test Taking Skills (2 semester hours)

A part of the General Core Curriculum, this course is required of all majors. The content consists of general test preparation aptitudes and test taking strategies for teacher-made exams and standardized tests, including THEA, GRE, MCAT, LSAT, GMAT, Major Field Tests, etc.