

# PAUL QUINN

2009-2010 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 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 Department 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 Departmental 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.

**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 Department 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 Department 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 Department 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 Department 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 Department 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 Department 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 Department 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.

**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

**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

**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)**

This course will use statistics to solve business and economic problems. Descriptive and inferential statistics; probability, regression analysis, Chi-Square, ANOVA and MANOVA techniques are some of the tools that will be used in practical problem solving.

**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 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.

**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 I. 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 Department 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 Department Chairperson. Laboratory Fee .

**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 1421, Introduction to Computer Programming in JAVA I (4 semester hours)**

This course is an introduction to programming using Java. The course covers the fundamentals of object-oriented programming utilizing the Java programming language for general purpose business programs and interactive World Wide Web-based Internet programs. Fundamentals of problem solving, algorithms, and programming. Emphasis is given to problem solving through programming including data types, control structures, use of existing libraries and modular algorithm design. Extending to procedural and object-oriented programming. This course has a required lab component. This course is required for the major or minor in computer science. Prerequisites: COSC 1301

**COSC 2313, 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 2412

**COSC 2412, Advanced Computer Programming in JAVA II (4 semester hours)**

This course is a continuation of COSC 1421 (Java Programming II). The focus is on the development of client-server applications and advanced GUI. Topics include Java features (such as enums, autoboxing, and generic types), multithreading, collections, files, advanced multimedia and GUIs, internationalization, and web programming (including database use, networking, security, servlets, Java Server Pages, JavaBeans, and Remote Method Invocation). An introduction to the theory and practice of computer programming, the emphasis of this course is on techniques of program development, especially abstraction and encapsulation using object-oriented programming. It covers such standard topics as control structures, subroutines, objects, multidimensional arrays, pointers, logical records, searching, sorting algorithms, binary file I/O, linked lists, and recursion. This course has a required lab component. This course is required for the major or minor in computer science. Prerequisites: COSC 1421

**COSC 3327, 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 3314

**COSC 2313, 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: COCS 2412

**COSC 4320, 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 3314 and MATH 1302 or MATH 2311

**COSC 3314, 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 2313

**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 2412

**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 2412**.

**COSC 3415, 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 2412** and MATH 2311

**COSC 4104, 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 3326, 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 3314

**COSC 4300, 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 4301, 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 4302, 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 3314, MATH 2311, and MATH 2322

**COSC 4303, 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 4302, and MATH 2312

**COSC 4305, 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

**COSC 4306, 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 3327

**COSC 4307, 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

**COSC 4313, Computer Organization and 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 3326

**COSC 4314, System Analysis and Design (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 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 3327**

**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.

**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 -6 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 4001, 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 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.

**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 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.

**ENGL 0393, Developmental Writing (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. This course is also 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. 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: ENG 1301

**ENGL 1311, Speech (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.

**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

**ENGL 3303, Advanced 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 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 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

**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.

**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.

**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 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.

**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

**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 2300, Introduction to Corrections (3 semester hours) [formerly CJUS 2300]**

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.

**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.

**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.

**LGSL 2303, Introduction to Law (3 credits)**

This course provides a basic understanding of the American legal system from a variety of perspectives, both civil and criminal. The course focus includes the essential the history and the working structure of government, procedural issues in the courts, specific concepts of basic categories of law (including contract, property, civil, business, estates and probates, criminal, and family), the distinctive characteristics of criminal law and procedure, and finally, the roles of various legal professionals and the effect of legal ethics on the practice of law.

**LGLS 2311, Introduction to Criminal Justice (3 semester hours) [formerly CJUS 2311]**

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.

**LGLS 2320, Civil Litigation (3 credits)**

This course introduces the structure of the legal system and the rules governing civil litigation. Topics include jurisdiction and state and federal rules of civil procedure and evidence. Upon completion, students should be able to assist an attorney in the pre-litigation matters and preparations of pleadings and motions.

**LGLS 3300, Law in Literature**

This course is designed to help students explore various historical, social, economic and political injustices throughout the world and critically scrutinize how a person's reality is inevitably shaped by the legal system that exist in his or her culture. Students will analyze the begging questions of what is divine law, why do we have the law and what does *justice* mean? Students will study the devastating psychological and social effects of a legal climate based on oppression, which ultimately induces violent and/or nonviolent reactions by an individual(s) in an effort to hopefully transform it into a more ideal system for everyone. The student will endlessly ponder the way the law works- its authority, legitimacy, psychology, bureaucracy, procedure, and finally is there such a notion as street justice. This course will provide an opportunity to think about law, justice, and morality, to read engaging work of fiction and non-fiction, and to examine the law from a humanistic and philosophical perspective.

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

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

**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 3308, Wills, Trusts, and Estates (3 semesters Hours)**

Examination of intestate succession, wills and various will substitutes, inter vivos and testamentary trusts, future interests in real and personal property, and problems arising in the administration of decedents' estates and trusts.

**LGLS 3309, Constitutional Law and Criminal Justice (3 semester hours) [CJUS 3307]**

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.

**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 3321, Administrative Law (3 Semester Hours)**

An examination of the role and operation of government agencies, including the procedures agencies are required to follow, public participation and hearing requirements, and the standards and mechanisms governing judicial review of agency decisions.

**LGLS 3323, Criminal Investigation- formerly CJUS 3323 (3 semester hours)**

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

**LGLS 3326, Juvenile Delinquency (3 semester hours) (formerly CJUS 3326)**

This course will study the history and philosophy of the juvenile court system; the juvenile justice process in modern social context; definition of delinquency; the substantive law governing juvenile conduct; intake; waiver or certification; pre-trial detention; hearing; and adjudication proceedings.

**LGLS 4301, Introduction to Law Enforcement (3 semester hours) [formerly CJUS 4301]**

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.

**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 4305, Probation and Parole (3 semester hours) [formerly CJUS 4305]**

The processes of probation and parole in the United States in terms of its historical development, philosophy, and standards; attention is focused on the utilization of parole and probation as tools of social control with special emphasis on the implications of the philosophical impact of probation and parole on field practices.

**LGLS 4306, Police/Community Relations (3 semester hours) [formerly CJUS 4306]**

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.

**LGLS 4310, Criminal Legal Process (3 Semester Hours)**

This course covers the Supreme Court decisional law and policy issues relating to the application and scope of the Fourth, Fifth, Sixth, and Fourteenth Amendments to the United States Constitution. Topics typically covered include: incorporation theory, right to counsel and related entitlements, the exclusionary rule, pretrial identification procedures, search and seizure law, and interrogation law.

**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.

**LGLS 4321, Criminal Law and Procedures**

This course introduces students to the sources of law which define general principles of criminal responsibility, and a selection of criminal offences (assault, sexual assault, murder, manslaughter, property offences), criminal defences (provocation and self-defence) and criminal procedure. Students will be exposed to both common law sources as well as legislation and criminal codes where relevant. Basic legal theories of the criminal law will also be introduced. The lecture program will be supported by problem-solving tutorials aimed at enabling students to give legal advice as to criminal liability and the resolution of procedural problems.

**LGLS 4322, Victimology (3 semester hours) [formerly CJUS 4322]**

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

**LGLS 4425, Torts (3 semester hours)**

Introduction to the law of torts, which covers a miscellaneous group of civil wrongs against persons and their interests in property, other than breach of contract, for which a court of law affords a remedy in the form of an action for money damages. Included are wrongs committed intentionally, and injuries resulting from negligence. Subjects covered are the law of assault, battery, false imprisonment, trespass to land and personal property, intentional and negligent infliction of mental distress, and negligent injuries to person and property.

**MATH 0393, Developmental Math (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. 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

**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 Department 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 Department Chair approval

**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 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

**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.



**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.

**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.

**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.

**READ 0393, Developmental Reading (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. (Business Elective)

**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 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 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.

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

A seminar on selected topics related to the New Testament.

**SOCI 1301 Introduction to Sociology (3 semester hours)**

Introduction to Sociology is a survey course on basic sociological concepts and the major social institutions.

**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

**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.