

# PAUL QUINN

2015-2016 Course Description

# PAUL QUINN

C O L L E G E

## CATALOG



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# **COURSE DESCRIPTIONS**

## 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 and completion of MATH 1301 College Algebra. Required in Accounting and Management.

### 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 Principles of Accounting I. Required in Accounting and Management.

### 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 Principles of Accounting I and ACCT 2302 Principles of Accounting II. Required in Accounting. This course can be used as an elective for the Management degree plan.

### 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: ACCT 2301 Principles of Accounting I and ACCT 2302 Principles of Accounting II. Required in Accounting. This course can be used as an elective in the Management degree plan.

### 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 Principles of Accounting I and ACCT 2302 Principles of Accounting II. Required in Accounting. This course can be used as an elective in the Management degree plan.

### 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: ACCT 2301 Principles of Accounting I and ACCT 2302 Principles of Accounting II. Required in Accounting. This course can be used as an elective in the Management degree plan.

### 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: ACCT 3314 Intermediate Accounting I. Required in Accounting.

### ACCT 4300, Internship in Accounting (3 semester hours)

This course is designed to provide an introduction to a career in accounting and/or business. The internship includes mentoring experiences, field observations and the opportunity to participate in real world accounting work. Required course in Business Administration: Accounting degree plan. Prerequisite: ACCT 3314, Intermediate Accounting I.

### 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 Principles of Accounting I and ACCT 2302 Principles of Accounting II. Required in Accounting. This course can be used as an elective in the Management degree plan.

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 Principles of Accounting I and ACCT 2302 Principles of Accounting II. Required in the Accounting degree plan. This course can be used as an elective in the Management degree plan.

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 Intermediate Accounting I. Required in the Accounting degree plan.

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 Intermediate Accounting II. Required in the Accounting degree plan.

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. Prerequisites: None. Required General Core course.

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. Laboratory fee. Prerequisite: BIOL 1424 General Biology I. Required in Biology, Early Childhood, and Physical Education degree plans.

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. Laboratory Fee. Prerequisite: BIOL 1424 General Biology I. Required in Biology, Early Childhood, and Physical Education .

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. Laboratory Fee Prerequisite: BIOL 1425 General Biology II or Department al approval. Required in Biology, Early Childhood, and Physical Education degree plans.

BIOL 3411, Genetics (4 semester hours)

Principles of genetics and their application to living organisms. Prerequisite: BIOL 1425. Laboratory Fee. Required in the Biology degree plan.

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. Required in the Biology degree plan.

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. Required in the Biology degree plan.

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. Required in Biology degree plan.

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. Laboratory fee. Prerequisites: BIOL 1425 General Biology II. Required in Biology degree plan.

BIOL 4420, Cell Biology (4 semester hours)

A study of the structure, organization, physiochemical activities, and extra cellular environment of the cell. Laboratory Fee. Prerequisites: CHEM 4421 General Biochemistry and BIOL 3420 General Botany. Required in Biology degree plan.

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. Cross listed with LGLS 3328 Business Law. Required in the Accounting, Management and Legal Studies degree plans.

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. General Elective.

BUSA 1302, Introduction to Social Entrepreneurship I (3 credit hours)

This course will explore the challenges and rewards of engaging innovative entrepreneurial practices and endeavors to address social needs both globally and in the US, through private and public nonprofit, for profit, government, non-government and/ or public institutions. A special emphasis on urban needs will be introduced. Required General Core course.

BUSA 1303, Introduction to Social Entrepreneurship II (3 credit hours)

This course will extend the concepts, practices and endeavors introduced in BUSA 1302 to issues related to health and wellness. Prerequisite: BUSA 1302. Required General Core course.

BUSA 2200, Social Media and Its Uses (2 credit hours)

This course will explore how web-based technologies add to and transform traditional media uses. It will also address the appropriate uses and its continuous development. This will include the exchange and creation of user-generated content in moving from traditional media monologues into social media dialogues. General Elective

BUSA 2300, Special Topics in Economic Development I (3 credit hours)

This course represents an integrated approach to understanding, reflecting, and problem solving using the knowledge of organizational structure, a variety of resources and leadership skills to solve societal and economic problems. Key scientific concepts including health, wellness, human development and/or nutrition will be examined. Additionally entrepreneurial and marketing endeavors will be

explored in the context of ethics and social responsibility while supported by developing a computer literacy background. General Elective

BUSA 2304, Introduction to Internship: College Guided Internship I (3 credit hours)

This course represents a college directed interdisciplinary field internship focusing on business-related skills, scientific concepts, and/or an understanding of the interrelationship between nutrition, wellness and human development. General Elective.

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 Composition I and ENGL 1302 Composition II. Students should have basic typing skills and familiar with keyboard and the Internet. Required in the Accounting and Management degree plans.

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. Required in the Accounting and Management degree plans.

BUSA 4304, Topical Seminar on Leadership I (3 semester hours)

Advanced topics in management/leadership and topics not adequately covered in the published curriculum. Prerequisite: Consent of the instructor. Minimum of nine credit hours of coursework in subject area, and junior or senior classification. Required in the Management degree plans.

BUSA 4305, Topical Seminar on Leadership II (3 semester hours)

Advanced topics in management/leadership and topics not adequately covered in the published curriculum. Prerequisite: Consent of the instructor. Minimum of nine credit hours of coursework in subject area, and junior or senior classification. Business Elective

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. Business Elective

BUSA 4322, Advanced Business Statistics (3 semester hours)

Course coverage includes multivariate and logistic regression, analysis of variance, times series analysis, and forecasting. A central aim of the course is to provide students with the skills to perform and present statistical analyses of data pertaining to fundamental trends in business and the economy. Prerequisite: BUSA 3322 Business Statistics. Required in the Accounting and Management degree plans.

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 Required in the Accounting and Management degree plans.

BUSA 4325, Internship (3 semester hours)

Supervised work experience in a business-related position with a public agency, private business, or organization. Required in the Management degree plans.

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 College Algebra. Laboratory Fee. Required General Core Science option. Not an option but mandatory for the Biology, Early Childhood and Physical Education degree plans.

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. Required in the Biology, Early Childhood, and Physical Education degree plans.

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. Required in the Biology degree plan.

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 Organic Chemistry I. Laboratory Fee. Required in the Biology degree plan.

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: CHEM 2412 Organic Chemistry II and approval of the Department Chairperson. Laboratory Fee. Required in the Biology degree plan.

CHIN 1301, Mandarin Chinese (3 credit hours)

This course offers an introduction to the Mandarin Chinese language and the development of the four language skills: listening comprehension, speaking, reading, and writing. The course emphasizes speaking simple contemporary Mandarin Chinese with correct pronunciation and intonation. In addition, intensive drills on sounds and tones, vocabulary, and sentence patterns in meaningful contexts will be used in order for the students to communicate appropriately and accurately in authentic contexts. General Core Foreign Language option. Required of all Scholars.

COSC 1301, Computer Applications (3 credit hours)

This course is an introduction to the use of computers as a data processing and problem solving tool for business purposes. Fundamental concepts, technology and theory, use of existing word processing programs, spreadsheets, database and presentation packages, including integration with the Internet, to solve various business oriented problems will be examined. This course incorporates current business end-user application software packages applied to contemporary problems to enhance productivity and critical thinking skills. Required in all degree plans.

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 Computer Applications. Required in the Computer Science Degree plan.

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 Advanced Computer Programming in Java II. Required in the Computer Science Degree plan.

#### 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 Introduction to Computer Programming in JAVA I. Required in the Computer Science Degree plan.

#### 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 Assembly Language Programming. Required in the Computer Science Degree plan.

#### 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 C/C++ Programming Languages. Required in the Computer Science Degree plan.

#### 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 C/C++ Programming. Required in the Computer Science Degree plan.

#### 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 Advanced Computer Programming in JAVA II. Required in the Computer Science Degree plan.

#### 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 Advanced Computer Programming in JAVA II and MATH 2311 Calculus I. Required in the Computer Science Degree plan.

#### 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 Computer Organization and Architecture and COSC 4321 System Analysis and Design. Required in the Computer Science degree plan.

#### 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 System Analysis and Design. Required in the Computer Science degree plan.

#### 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 C/C++ Programming, MATH 2311 Calculus I, and MATH 2322 Linear Algebra. Required in the Computer Science degree plan.

#### 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 Numerical Math, and MATH 2312 Calculus II. Required in the Computer Science degree plan.

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 Data Structures. Required in the Computer Science degree plan.

#### 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 Programming Languages. Required in the Computer Science degree plan.

#### 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 Operating Systems. Required in the Computer Science degree plan.

#### 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, C/C++ Programming and MATH 1302 College Algebra or MATH 2311 Calculus I. Required in the Computer Science degree plan.

#### 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 Data Structures. Required in the Computer Science degree plan.

ECON 2301, Principles of Microeconomics (3 semester hours)

This course 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 College Algebra. Required in the Accounting, Management and Computer Science degree plans.

ECON 2302, Principles of Macroeconomics (3 semester hours)

This course 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 Micro-Economics. Required in the Accounting, Management and Computer Science degree plans.

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 Micro-Economics and ECON 2302 Macro-Economics. Required in the Accounting and Management degree plans.

EDUC 1001, College Assembly (Attendance is a graduation requirement)

The College Assembly or weekly Chapel service 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 daily lives. Effective fall 2010, degree-seeking students are required to attend at least 80% of the sessions each semester. Exemptions related to off-campus work hours or hardships must be approved by the Dean of Students, and a substitute project will be assigned. Transfer students' requirements will be begin during the first semester that they enroll at Paul Quinn College. Attendance records will be maintained by the Dean of Students and recorded in the CAMS system. Additional information about Chapel service requirements can be obtained from the Dean of Students or the Office of Academic Affairs. Required of all students.

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. Pre-requisite: ENGL 1301. Required in the Early Childhood and Physical Education degree plans.

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

This course offers a systematic focus on the teaching strategies and professional responsibilities needed to successfully pass the state Pedagogy and Professional Responsibilities exam (PPR) for EC-12 grade levels. Pre-requisite: Admission to Teacher Education program completion of 12 hours in major courses. Required in the Early Childhood and Physical Education degree plans.

EDUC 3102, Preparation for the State Exams (Content- EC-6) (1 semester hour)

This course focuses on the content and strategies needed to successfully pass the required content exam for the teacher certification area of Early Childhood – 6<sup>th</sup> grade. Pre-requisite: Admission to the Teacher Education program; completion of English, math, science and social science CORE requirements. Required in the Early Childhood degree plan.

EDUC 3300 Instructional Strategies I (3 semester hours)

This course is part one in a series of three instructional strategies classes that are central to EC-6 Teacher Preparation. This course will focus on effective instructional strategies for teaching reading, language arts and social studies to diverse elementary age learners. Teacher candidates will evaluate a variety of strategies and engage in hands on activities meant to reinforce effective strategies and build confidence in teaching reading, language arts and social studies. Pre-requisite: EDUC 2301 Introduction to Education and READ 3301 Emergent Literacy; or READ 3304 Reading in the Elementary School. Required in the Early Childhood degree plan.

#### 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. Pre-requisite: EDUC 2301 Introduction to Education. Required in the Early Childhood and Physical Education degree plans.

#### EDUC 3302, Technology In Teaching (3 semester hours)

This course is an introduction to educational technology. Students will explore the theory behind incorporating technology into an effective lesson, and will utilize multimedia equipment and the Internet to design effective lesson plans, assessment tools and other instructional materials. Pre-requisite: COSC 1301 Computer Applications I. Required in the Early Childhood and Physical Education degree plans.

#### EDUC 3305, Introduction to English as A Second Language (3 semester hours)

This course is designed to introduce the general classroom teacher candidate to the theory, concepts, research, and best practices required to plan supportive classroom instruction for ESOL and bilingual students. Various teaching models developed for ESL teaching are introduced. Candidates will be able to implement culturally responsive interventions to promote the learning environment conducive to learning for all students. Pre-requisite: EDUC 2301 Introduction to Education. Required in the Early Childhood.

EDUC 3310 Instructional Strategies II (3 semester hours) this course is part two in a series of three instructional strategies classes that are central to EC-6 Teacher Preparation. This course will focus on effective instructional strategies for teaching the fine arts, physical education, health and music to diverse elementary age learners. Teacher candidates will evaluate a variety of strategies and engage in hands on activities meant to reinforce effective strategies and build confidence in teaching art, physical education, health and music. Pre-requisite: Completion of Introduction of Education and Instructional Strategies I. Required in the Early Childhood degree plan.

#### EDUC 4300, Instructional Strategies III (3 semester hours)

This course is part three in a series of three instructional strategies classes that are central to EC-6 Teacher Preparation. This course will focus on effective instructional strategies for teaching math, science and technology to diverse elementary age learners. Teacher candidates will evaluate a variety of strategies and engage in hands on activities meant to reinforce effective strategies and build confidence in teaching math, science and technology. Pre-requisite: Completion of Introduction of Education, College Algebra, Math for Elementary Teachers I and II, and Instructional Strategies I. Required in the Early Childhood degree plans.

#### EDUC 4001, Student Teaching Seminar (1 semester hour)

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 use of technology, current issues in education and other topics. Prerequisite: Student Teaching Clearance. Required in the Early Childhood and Physical Education degree plans.

#### 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. Specific consideration is given to the assessment processes used in the state of Texas to assess learners. Pre-Requisite: EDUC 2301 Introduction to Education. Required in the Early Childhood degree plan.

#### EDUC 4305, Classroom Management (3 semester hours)

This course presents an examination of the relationship between the teacher, pupil, and classroom environment in the early childhood grades through 12<sup>th</sup> grade. Topics covered included teacher as instructional leader, identification of learning, leadership and teaching styles, instructional planning methods, use of technology/audio visual aids in classroom management, effective teaching strategies for diverse student populations, etc., Pre-requisite: EDUC 2301 Introduction to Education. Required in the Early Childhood and Physical Education degree plans.

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

This course is a study 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 1302 Composition II and EDUC 2301 Introduction to Education. Required in the Early Childhood degree plans.

EDUC 4501, Student Teaching Elementary (5 semester hours)

Students participate full-time for a minimum of twelve weeks in all phases of teaching in an elementary school, under the joint supervision of the college and the school site. Periodic meetings are held with the cooperating teacher and the college supervisor of student teaching. Observations the student teaching experience are done on an on-going basis. Feedback is provided to the student teacher in order to make the experience productive. Pre-requisite: Student Teaching Clearance. Required in the Early Childhood degree plan.

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

Students participate full-time for a minimum of twelve weeks in all phases of teaching in grades Pre-K-12 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. Pre-requisite: Student Teaching Clearance. Required in the Physical Education degree plan.

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. Required General Core 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 Composition I. Required General Core course.

ENGL 1311, Speech I (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. Required General Core course.

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 Composition II. Required General Core course.

FINA 1101, Personal Finance (1 semester hour)

This course will address financial literacy by examining topics such as personal goal setting, career planning, consumer skills, budgeting, banking services, savings, investing, credit and homeownership. Required General Core course.

FINA 1302, Introduction to Investment Strategies (3 semester hours)

This course introduces students to the fundamentals of basic investment strategies, particularly as they relate to portfolio management. Topics include the concepts of risk and return, portfolio theory, asset allocation, and asset pricing models with an emphasis on equities, fixed income, and derivative securities. Investment decision-making skills are developed and sharpened through classroom lectures, discussions, homework assignments, and case studies. General elective course.

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 2301 Principles of Accounting, ACCT 2302 Principles of Accounting II, ECON 2301 Micro-Economics, and ECON 2302 Macro-economics. Required in the Accounting and Management degree plans.

FUND 1303, Introduction to Quinnite Servant Leadership (3 semester hours)

This course is an introduction into the Quinnite community. It will explore the life of a Quinnite Scholar, the history and future of the AME Church, the history of Paul Quinn College, the history of Bishop College and the economics of a Quinnite education. In addition, this course will explore the role of service learning and character in becoming ethical servant leaders. Required General Core course.

FUND 1304 - Winning! College Academic Success Skills - This is a required course for first-time freshmen, transfer students with 15 hours or less, and conditionally admitted students. It is designed to expose students to essential skills and information necessary for successful matriculation at Paul Quinn College. Reflecting a broad series of topics, this course will enhance student outcomes and retention. Designed to help the student create greater success in college and in life, most topics conform to one or the following areas: acclimation to college life, organization/planning, skills acquisition, and communication. The course is team-taught and includes explanatory presentations, discussions, computer-assisted instruction, collaborative grouping and other meaningful presentation models. The student will explore many proven strategies for generating greater academic, professional, and personal achievement through various approaches including guided journaling and reflective writings. (3 semester hours)

HUMA 1302, African American Experience and History I (3 semester hours)

This course will explore the contributions of African people to the culture and history of an emerging American nation from pre-history on the African continent through Reconstruction. Required General Core course.

HUMA 1303, African American Experience and History II (3 semester hours)

This course will survey the historical developments of African Americans that have had the greatest influence on the American experience since the Reconstruction era. Required General Core course.

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. Required in the Early Childhood degree plan.

GOVT 2301, 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. Required General Core course.

GOVT 2202, Texas Government (2 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. General Elective course. This course fulfills legislative requirements for Teacher Certification.

HLTH 2329 Introduction to Health & Wellness (3 semester hours)

The Fundamentals of Health course is designed to provide students with information and skills needed to achieve and maintain optimal wellness. The course will examine the emotional, physical, and spiritual dimensions of health and wellness. Major topics covered: health and wellness, stress, stress management, physical health, nutrition, body image, mental health, sexuality, alcohol/drug use. Students will also examine health and wellness issues which plague people of color, such as diabetes, high blood pressure and HIV/AIDS in order to counteract these issues in their personal, family and community lives.

HLTH 3345 Health & Stress Management (3 semester hours)

The Health & Stress Management course will examine the body's physiological and psychological responses to stress, recognize the manifestations of stress, and explore adaptive and maladaptive methods of coping with stress. Pre-requisite: HLTH 2329

HIST 2301, United States History I (3 semester hours)

This course will offer a general survey of the social, political, and economic history of the United States to 1877. Required General Core course.

HIST 2302, United States History II (3 semester hours)

This course will offer a general survey of the social, political, and economic history of the United States since 1877. Prerequisite: HIST 2301 United States History I. General elective course.

HIST 3345 Research and Writing in History (3 semester hours)

This course introduces students to how and why historians debate issues of evidence and interpretation. Students will learn to distinguish between various schools or styles of academic history to improve their reading, note-taking, and library research skills; to formulate meaningful thesis statements and to successfully write a research paper. Hands-on research will be used to produce a scholarly paper capable of publication and/or presentation.

HUMA 1302, African American Experience I (3 credit hours)

This course will explore the contributions of African people to the culture and history of an emerging American nation from pre-history on the African continent through Reconstruction. Required General Core course.

HUMA 1303, African American Experience II (3 credit hours)

This course will survey the historical developments of African Americans that have had the greatest influence on the American experience since the Reconstruction era. Required General Core course.

LGLS 2301, Introduction to Legal Studies (3 semester hours) (Prerequisite for other major core classes)

This course is as an overview of the criminal justice system including law enforcement, court systems, prosecution and defense, the trial process, and corrections, criminal offenses and penalties. Basic legal theories of the criminal law will also be introduced. Students will learn the common legal defenses for crimes and the elements the prosecution has to prove for certain crimes. 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. It 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. Required in the Legal Studies degree plan.

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. Required in the Legal Studies degree plan.

LGLS 2304, 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. Required in the Legal Studies degree plan.

LGLS 2315 Criminology (3 semester hours)

This course is the study of criminals and the offenses they committed. Students will explore the philosophical and psychological aspects of a criminal and his anti-social, ill-fated behavior. Students will critically examine the spectrum of scientific theories and psychiatric diagnoses that seek to delineate and explain human violence. Elective option in the Legal Studies degree plan.

LGLS 2321, Victimology (3 semester hours) [formerly CJUS 4322]

This course is designed to acquaint students with the plight of victims in the Criminal Justice systems. Required in the Legal Studies degree plan. Elective option in the Legal Studies degree plan.

LGLS 2323, Law, Psychology, and Morality: An Exploration through Film, Art, and Music (3 semester hours)

This seminar will deal with subjects at the intersection of law, psychology, and morality using film, art and music as 'text.' Subjects include: responsibility and community, love and redemption, reconstructing the claims of family, gender and sexual identity, narratives of justice and injustice, the lawyer's identity, patriarchy and misogyny, and race and the subculture of poverty. Elective option in the Legal Studies degree plan.

LGLS 3300, Law in Literature (3 Semester Hours)

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. Elective option in the Legal Studies degree plan.

LGLS 3302 Evidence (3 semester hours)

This course is a study of laws that govern the admissibility and exclusion of evidence for establishing or contesting facts in trials, administrative hearings and other court proceedings. Topics covered include the relevance of evidence; the hearsay rule and its exceptions; examination of witnesses, cross-examination, and impeachment; competency of witnesses; opinion, expertise, and experts; scientific and demonstrative evidence; writing; the best evidence rule and authentication; privileges of witnesses; judicial notice; presumptions; among other subjects relating to the regulation of proof at trials. Required in the Legal Studies degree plan.

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. Elective option in the Legal Studies degree plan.

LGLS 3325, Criminal Procedure (3 semester hours)



This course is an examination of the Fourth, Fifth, and Sixth Amendments of the United States Constitution, which govern the interaction of the police and suspects in a criminal investigation. From search warrants to coerced confessions, the course will examine the constitutional doctrines developed to regulate police behavior, and the admissibility of any subsequent seized evidence by law enforcement in a court proceeding. Required in the Legal Studies degree plan.

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. Elective option in the Legal Studies degree plan.

LGLS 3327, Logical Reasoning, Legal Thought and Philosophy (3 Semester Hours)

This course is designed to teach students to analyze arguments, to recognize flaws in logic and draw conclusions through inference and deductive reasoning. Students will explore a standard technique that has been developed to organize thinking about decision-making problems and to solve them. Students will also consider strategic interactions between parties and considerations related to imperfect information. Students will also study the significance of the rule of law. Considers the questions: What is law? Why does law have authority? What is the relation between law and morality? What is justice? Is breaking the law ever justified? Required in the Legal Studies degree plan.

LGLS 3328, Business Law (3 semester hours)

This course focuses on the principles 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. Crosslisted with BLAW 3324 Business Law. Required in the Legal Studies degree plan.

LGLS 3330, Internship 1 (3 semester hours)

This course is designed to provide an introduction to a career in the legal field. Forty-five hours of introductory field observations are required. Elective option in the Legal Studies degree plan.

LGLS 3331, International Law (3 semester hours)

This course introduces fundamental questions and principles of international law. Topics include the creation and interpretation of treaties, the role of custom in international law, the use of force and the laws of war, transnational crime and extradition, the growth and codification of international human rights law, the relationship between international and domestic law; and state sovereignty as manifested in sovereign immunity and other doctrines. Also students are introduced to the great variety of international organizations increasingly influencing the development of international law, including the United Nations, the European Union, NATO, the permanent and ad hoc international criminal courts, the WTO, NAFTA, the Organization of American States, the World Bank, and others. Elective option in the Legal Studies degree plan.

LGLS 3332, Peace, War, and Treason (3 semester hours)

This seminar investigates whether and how the laws of war constrain different actors. It provides a historical overview as well as an exploration of the different purposes of the laws of war. The class covers the means and methods of war as well as protection of civilians and issues surrounding prisoners of war. It also addresses such issues as the scope of liability during conflict; the differing constraints over international and non-international armed conflict; terrorism and the future of humanitarian law; as well as the environmental regulation of conflict. A study of both international and domestic legal standards regarding the treatment of refugees, torture victims and those seeking political asylum. This seminar will explore the international law that governs criminal behavior that transcends national borders. The seminar will cover general issues of accountability, the concepts of terrorism, genocide, war crimes and crimes against humanity. It will examine questions of command responsibility and superior orders, as well as the nature and scope of the current war on international terrorism. Elective option in the Legal Studies degree plan.

LGLS 3334, Negotiations (3 semester hours)

Through a combination of theoretical analysis, case-studies, and simulations, this course will address the following issues: Negotiating across and behind the table; strategies and tactics in diplomacy and international negotiations; multilateral negotiations; cross-cultural dimensions of negotiations; the concept of power in negotiations; designing and drafting agreements; and ethics in negotiations. This course, by combining theory and practice, aims to improve both the participants' understanding of negotiation and their effectiveness as negotiators. Elective option in the Legal Studies degree plan.

LGLS 3335, Special Topics: Understanding the Legal Field (3 semester hours)

This course will expose the student to the variety of specialties in the legal profession by introducing the student to practitioners of the various specialties. This course will also go in some depth on selected areas of the profession, specifically criminal law and civil law, exploring the differences. This course will also enable the student to understand the functions of the individual participants in the legal process by viewing and commenting upon Court proceedings. Additionally, visiting legal practitioners will be asked to discuss their particular areas of law from a practical viewpoint. Elective option in the Legal Studies degree plan.

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. Elective option in the Legal Studies degree plan.

LGLS 4303, Legal Research and Writing (3 Semester Hours) (Techniques of Legal Research and Investigative Practices Prerequisite)

This course introduces students to the way lawyers analyze and frame legal positions in litigation, conduct legal research, and present their work in writing and in oral argument. Students actively learn research and writing skills by preparing initial and final drafts of memoranda and briefs and by becoming familiar with accessing both print and electronic research materials. Required in the Legal Studies degree plan.

LGLS 4305, Probation, Penitentiary 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. This course also considers the legal, political, and social implications of the practice of capital punishment in America, with an emphasis on contemporary legal issues. The course will frame contemporary questions by considering some historical perspectives on the use of the death penalty in America and by delving into the moral philosophical debate about the justice of capital punishment as a state practice. Doctrinal topics to be covered include the role of aggravating and mitigating factors in guiding the decision to impose life or death; challenges to the arbitrary and/or racially discriminatory application of the death penalty; the ineligibility of juveniles and persons with mental retardation for capital punishment, limits on the exclusion and inclusion of jurors in capital trials; allocation of authority between judges and juries in capital sentencing; and the scope of federal habeas review of death sentences, among other topics. Students will examine the concepts of rehabilitation, deterrence, and punishment in the criminal justice system. Elective option in the Legal Studies degree plan.

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. Required in the Legal Studies degree plan.

LGLS 4316 Mock Trial (3 semester hours) (Capstone Course)

This course seeks to examine the nature, functions, dynamics, and ethics of such tasks as interviewing, investigation, examination and cross-examination of witnesses, argument, and from the prosecution and criminal defense advocacy, both in and out of the courtroom. It is designed to teach students to evaluate and prepare a case for trial. Students will develop trial techniques and skills by reenacting real life scenarios in a mock courtroom setting. This course Students will also examine the litigation of systemic criminal justice issues, including race bias issues, eyewitness identification issues, forensic issues, and issues pertaining to the suppression of exculpatory information by the government. Required in the Legal Studies degree plan.

#### 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. Elective option in the Legal Studies degree plan.

#### LGLS 4330, Internship 2 (3 semester hours)

This course is designed to supplement the legal studies courses with experiences at agencies/ government facilities/ law firms to provide broad-based participation in field observations and volunteer work. The basic requirements include eighty (80) hours of practical experiences within the professional organization. Elective option in the Legal Studies degree plan.

#### LGLS 4331, National Security Law

This course is an introductory examination of U.S. national security law. We will study questions relating to the exercise of military force, the conduct of intelligence operations, and the detention of enemy combatants. In considering those questions, special attention will be paid to (1) how to allocate decision-making authority among the President, the Congress, and the courts; (2) how to strike the proper balance, substantively, between security and liberty, and, procedurally, between secrecy and transparency; and, (3) how to reconcile domestic law and policy objectives with international obligations and norms. We will be guided by domestic sources of law — the Constitution and such statutes as the National Security Act, the War Powers Resolution, the Foreign Intelligence Surveillance Act, the USA PATRIOT Act, and the Military Commissions Act — and by international sources of law as well — the U.N. Charter and the Geneva Conventions. Elective option in the Legal Studies degree plan.

#### LGLS 4332, Comparative Law (3 semester hours)

An introduction to the characteristic features and functioning of non-common law legal systems. This course seeks to provide American lawyers with a basic framework for understanding foreign legal systems. Elective option in the Legal Studies degree plan.

#### LGLS 4333, Moot Court (3 semester hours)

This course combines a substantive review of key appellate litigation doctrines concerning appellate jurisdiction, standards of review, and other topics, with an intensive advocacy component, including motion and brief writing. The course considers each stage of the appellate litigation process, beginning with a general overview, moving to the various bases for appellate jurisdiction in the federal courts, then discussing standards of review, and concluding with an intense review of the anatomy of an appellate brief. U.S. Supreme Court practice will also be considered. Students will brief and argue moot appellate cases. Elective option in the Legal Studies degree plan.

#### LGLS 4435 (formerly 3301), Property, Wills and Estates (3 semester hours)

This course deals with characteristic arrangements under American law for the creation and transfer of rights to control and exploit property. The relationships of these arrangements to efficient resource use, the pattern of wealth distribution, and other social concerns will be explored as they are reflected in both judicial decision-making and legislative reform. The course will explore such subject matters as easements, adverse possession, restrictive covenants, 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. Elective option in the Legal Studies degree plan.

#### LGLS 4436, Civil Procedure (3 semester hours)

This class introduces students to the rules governing the conduct of civil litigation in the United States. It covers personal jurisdiction, subject matter jurisdiction and notice, and the Erie doctrine, which sets standards for deciding when federal courts must apply state law. Also the course traces civil litigation chronologically from the pleadings and defenses to joinder of claims and parties, and finally to the effect of prior decisions. Primary focus is on the Federal Rules of Civil Procedure, although common-law and statutory antecedents are studied when important to understanding modern rules. Elective option in the Legal Studies degree plan.

MATH 1300, Introduction to College Mathematics (3 credit 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 required for college readiness. Word problems associated with these subjects are also studied. Additional support and tutoring is available through the Center for Student Success and Student Support Services. 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. Required General Core course.

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. Pre-requisite: MATH 1301 College Algebra. Required General Core Math Option.

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. Pre-requisite: MATH 1301 College Algebra. Required in the Biology degree plan.

MATH 1350, Math for Elementary Teachers I (3 semester hours)

Concepts of sets, functions, numeration systems, number theory, and properties of the natural numbers, integers, rational, and real number systems with an emphasis on problem solving and critical thinking. This course is designed specifically for students who seek EC-6th grade teacher certification. Pre-requisite: Math 1301 College Algebra. Required in the Early Childhood degree plan.

MATH 1351, Math for Elementary Teachers II (3 semester hours)

Concepts of geometry, probability, and statistics, as well as applications of the algebraic properties of real numbers to concepts of measurement with an emphasis on problem solving and critical thinking. This course is designed specifically for students who seek EC-6th grade teacher certification. Pre-requisite: MATH 1350 Math for Elementary Teachers I. Required in the Early Childhood degree plan.

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 College Trigonometry. Required in the Biology and Computer Science degree plans and is a Math option for the General Core.

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 Calculus I. Required in the Biology and Computer Science degree plans.

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 College Trigonometry. Required in the Computer Science degree plans.

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 Calculus II. Required in the Computer Science degree plans.

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: BUSA 3322 Business Statistic. Required in the Management degree plan.

MGMT 3314, Principles of Management (3 semester hours)

Management philosophy, planning, organizing, supervising, staffing, controlling, and decision-making processes. Required in the Business Administration Degree Plans.

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 Principles of Management. Required in the Management degree plan.

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 Principles of Management. Required in the Management degree plan.

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 3314 Principles of Management. Required in the Management degree plan.

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 Principles of Management. Required in the Management degree plan.

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 Principles of Management. Required in the Management degree plan.

MGMT 4309, Topical Seminar (3 semester hours)

Advanced topics in management/leadership and topics not adequately covered in the published curriculum. At least Junior Status. Prerequisite: Consent of the instructor. Required in the Management degree plan and can also be an elective for the Accounting degree plan.

MGMT 4325, Internship in Management (3 semester hours)

Supervised work experience in a business-related position with a public agency, private business, or organization. Required in the Management degree plan.

MKTG 3301, Principles of Marketing (3 semester hours)

Topics include researching and analyzing customers, understanding the competitive environment, segmenting the market, strategic positioning, pricing, communications, and distribution strategies. 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. Required in the Accounting and Management degree plans.

PHED 1103, Cardiovascular Health and Physical Development I (1 credit hour) This course is designed to develop and/or improve basic aerobic skills, and to improve cardiovascular fitness, coordination, strength, and rhythm through modeling of fitness techniques and participation in fitness activities. Required General Core course.

PHED 1104, Cardiovascular Health and Physical Development II (1 credit hour)

This course is designed for engagement in a personalized fitness plan. Barriers to personal fitness will be discussed and assessed and personal fitness progress will be tracked to support the development of lifelong commitment to physical activity and fitness. Topics covered include: cardiovascular fitness, strength training, flexibility and aerobic skills. Required General Core course.

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. Pre-requisite: EDUC 2301 Introduction to Education. Required in the Physical Education degree plan.

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. Required in the Physical Education degree plan.

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. Pre-requisite: EDUC 2301 Introduction to Education. Required in the Physical Education degree plan.

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. Pre-requisite: MATH 1301 College Algebra and EDUC 2301 Introduction to Education. Required in the Physical Education degree plan.

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. Pre-requisite: EDUC 2301 Introduction to Education. Required in the Physical Education degree plan.

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. Pre-requisite: EDUC 2301 Introduction to Education. Required in the Physical Education degree plan.

#### 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. Pre-requisite: EDUC 2301 Introduction to Education. Required in the Physical Education degree plan.

#### PHED 3309, Physical Education Strategies (3 semester hours)

This experience is designed to assist the prospective 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. Pre-requisite: Admittance to Teacher Education program and completion of 12 hours in physical education major. Required in the Physical Education degree plan.

#### PHED 3101 Preparation for State Exam, Content

This course focuses on the content and strategies needed to successfully pass the required content exam for the teacher certification area of physical education. Pre-requisite: Admission to the Teacher Education program; successful completion of 18 credit hours of physical education major courses. Required in the physical education degree plan.

#### 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. Pre-requisite: EDUC 2301 Introduction to Education. Required in the Physical Education degree plan.

#### 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. Required Science General Core option.

#### 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. Prerequisite: MATH 1301 College Algebra. Laboratory Fee. Required science option in the Biology, Computer Science, Early Childhood and Physical Education degree plans.

#### 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 General Physics I. Laboratory Fee. Required in the Biology degree plan.

#### 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. Required General Core course.

**READ 1300 - Introduction to Reading Comprehension and Effective Writing (3 credit hours)**

This course will address improving reading comprehension, vocabulary building and effective writing for college readiness. Emphasis is placed on determining main ideas, critical thinking skills and evaluating the writer's technique. Study skills will also be included. Additional support is available through the Writing Program Resources and tutoring services through the Center for Student Success and Student Support Services. 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 and promoting 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-6. Pre-requisite: EDUC 2301 Introduction to Education. This course is required in the Teacher Certification Program.

**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. This is an elective option in the Teacher Certification Program and may be taken to satisfy the Reading requirement for EC-6 Teacher Certification.

**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. This course is required in the Teacher Certification Program.

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

This course teaches the selection, administration, and evaluation of assessment instruments, and instructional techniques appropriate for diagnosing and correcting classroom reading difficulties. This course is required in the Teacher Certification Program.

**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. General or Business elective

**RELI 1301, Ethics (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. Required General Core course.

**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. General elective course.

**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. General elective course.



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 Introduction to Theology. General elective course.

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

A seminar on selected topics related to the Old Testament. General elective course.

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

A seminar on selected topics related to the New Testament. General elective course.

SOCI 1301 Introduction to Sociology (3 semester hours)

Introduction to Sociology This course is an introduction to the scientific study of social factors that influence human behavior. It includes analysis of culture and socialization processes, social interaction, human sexuality, deviance, social stratification/inequality, race relations, global interdependence, and gender in the context of everyday social life. General elective course.

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. General elective course. Required General Core 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 Elementary Spanish I. General elective course.

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. General elective course.

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 Intermediate Spanish I or approval by the instructor. General elective course.

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. Pre-requisite: EDUC 2301 Introduction to Education. Required in the Early Childhood degree plan.