

Modern financial accounting theory and practices applied to sole proprietorships, partnerships, and corporations.

Modern financial and managerial accounting theory and practices applied to an organization's liabilities, cash flows, planning, budgeting, and control. *Prerequisite: ACT 2291.*

Theory and applications of assets, liabilities, and owners' equity, revenues, expenses, and analytical process. *Prerequisite: ACT 2292.*

Theory and applications of assets, liabilities, and owners' equity, pensions, leases, earnings per share, and analytical process. *Prerequisite: ACT 3391.*

Municipal and governmental accounting; preparation and use of budgets, records, and statements. *Prerequisite: ACT 2292.*

Manufacturing and distribution cost accounting, material, labor and overhead costs in job order and process cost accounting. These courses must be taken in sequence. *Prerequisite: ACT 2292.*

Principles underlying establishment of complete accounting systems; applications to typical business organization; emphasis on the functions of control and protection. *Prerequisite: ACT 2292.*

An overview of emerging issues related to international accounting and reporting of financial information across national boundaries. The course will address topics such as accounting and auditing standards, disclosure practices, and financial reporting in a global business environment. *Prerequisite: ACT 3392.*

Theory and applications of accounting for business combinations, branches and segments, partnerships, and foreign currency transactions and translations. *Prerequisite: ACT 3392.*

Additional information is indexed under Guided Independent Research and Study. Note: This course may not be substituted for any required course. Also see index for Independent Study and Research. Consult Certified Public Accountant Examination requirements prior to enrolling in this course.

Principals and dictates of individual capital and taxation of individual income. *Prerequisite: ACT 2292.*

Tax laws and regulations for partnership, corporations, estates and fiduciaries. *Prerequisite: ACT 4494.*

Manufacturing and distribution cost accounting, material, labor and overhead costs in job order and process cost accounting. These courses must be taken in sequence. *Prerequisite: ACT 3395.*

Auditing theory as contained in official pronouncements. Emphasis will be placed on material required for the CPA exam as it relates to professional ethics, audit engagement, internal control, audit sampling, evidence gathering and auditors' reports. *Prerequisite: ACT 3392.*

Auditing theory and procedures as applied to transaction cycles, revenue cycles, expenditure cycles, and cash balances. This course covers EDP auditing as well as internal, operational, and governmental auditing. *Prerequisite: ACT 4497.*

Internship in local, regional or national firm. Requires junior or senior standing and individual approval for the internship program. See "Internship Program" for additional requirements.

Please consult the index of this catalog to locate additional information regarding American English Group courses.

An examination of human, physical and cultural development using evidence from archaeology, paleontology, genetics, ecology, cultural anthropology and linguistics with emphasis on the historical,

102 · COURSE DESCRIPTIONS

An analysis of examples of art from diverse periods with an emphasis on trends and patterns and the interactions of art with various aspects of social, political, and intellectual developments.

Introduction to the fundamental principles of graphic design using a variety of desktop software including writing HTML. *Prerequisites: ART 1145, ART 2201 or ART 2210, and ART 2230.*

Exploration of graphic design applied to multimedia. Students will learn to produce presentations using type, imagery, and audio-visuials. *Prerequisite: ART 3308.*

Formal and practical aspects of graphic design as applied to web development, Internet communication, marketing, and advertising. *Prerequisite: ART 3308.*

A course in the exploration of image making that expands drawing from direct observation to a more conceptual approach. May be repeated for credit up to nine hours. *Prerequisites: ART 1145, 2201.*

Classical antiquity through the Gothic period.

Northern and Southern Renaissance through the Baroque period.

Classical, Realism, R

lio design. *Prerequisite: ART 3324 or permission from the department chairman.*

Advanced projects in photography. Collaboration with clients, desi t liTJO T0001 Tc0.0034 2w(widevelopnt chofh.6()pto Saph)7ic soluon

104 · COURSE DESCRIPTIONS

officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Within this structure, continued emphasis is given to refining communication skills.

Leadership laboratory is mandatory for AFROTC cadets and it complements the AS 4412 course by providing cadets with advanced leadership experiences, giving students the opportunity to apply the leadership and management principles.

The second of two courses that examine the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. Special topics of interest focus on the military as a profession, officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Within this structure, continued emphasis is given to refining communication skills.

Leadership laboratory is mandatory for AFROTC cadets, and it complements the AS 4413 course by providing cadets with advanced leadership experiences, giving students the opportunity to apply the leadership and management principles.

Initial course in the four-course sign language developmental sequence which exposes students to the grammatical, syntactical and lexical proficiencies in American Sign Language at a Survival Level. s (emp2s the)l3u

therapeutic exercises. *Prerequisites:* AT 3301, 4447 (second-year status).

Acquaints the entry-level athletic training student with athletic training educational competencies related to risk management, injury prevention, assessment and evaluation, psycho-social intervention and referral and health care administration. *Prerequisite:* acceptance into ATEP (first-year status).

Acquaints the entry-level athletic training student with athletic training educational competencies in the clinical proficiencies, risk management, injury prevention, assessment and evaluation, psychosocial intervention and referral, and health care administration. *Prerequisite:* Acceptance into ATEP (first-year status).

Acquaints the entry-level athletic training student with athletic training educational competencies as they relate to acute care of injuries and illnesses to the lower extremity of the human body. *Prerequisite:* Acceptance into ATEP (first-year status).

Acquaints the entry-level athletic training student with athletic training educational competencies in the clinical proficiencies of injury prevention, assessment and evaluation, and acute care of injuries and illnesses as they relate to the lower extremity. *Co-requisite:* AT 3396 (first-year status).

Acquaints the entry-level athletic training student with athletic training educational competencies as they relate to injury prevention, assessment and evaluation, and acute care of injuries and illnesses to the upper extremity. *Prerequisites:* AT 3396, L396 (first-year status).

Acquaints the entry-level athletic training student with the knowledge of athletic training and educational competencies in the clinical proficiencies of injury prevention, assessment and evaluation, acute care of injuries and illnesses to the upper extremity. *Prerequisites:* AT 3396, L396. *Co-requisite:* AT 3397 (first-year status).

Acquaints the entry-level athletic training student with athletic training educational competencies as they relate to the use of therapeutic modalities. *Prerequisites:* AT 3397, L397 (second-year status).

Acquaints the entry-level athletic training student with the knowledge of the athletic training educational competencies as they relate to the use of

106 · COURSE DESCRIPTIONS

social attitudes, and potential solutions. *Prerequisites: BIO 1100, L100. Co-requisite: BIO L202.*

Laboratory and field-oriented experiences designed to enhance understanding of environmental concepts and issues. *Prerequisites: BIO 1100, L100. Co-requisite: BIO 2202.*

An introduction to medicine and allied health professions, including academic requirements, job opportunities, and future trends. Professionals from different fields will discuss their specialties to provide students with realistic perspectives.

The relationships of living organisms to one another and to the nonliving environment. Basic ecological concepts with the emphasis on bioenergetics, limiting factors, adaptation to a changing environment, the niche, ecological pyramids, and succession. *Prerequisites: BIO 1101, L101 and CHM 1143, L143. Co-requisite: BIO L229.*

Introduction to the terminology, procedures and equipment for sampling biotic and abiotic components of ecosystems, the functional and dynamic features of ecosystems, and biotic interactions. *Prerequisites: BIO 1101, L101 and CHM 1143, L143. Co-requisite: BIO 2229.*

Major and minor phyla of invertebrates with emphasis on anatomy, classification, life histories, and phylogeny. *Prerequisites: BIO 1101, L101. Co-requisite: BIO L307.*

Anatomy, classification, and life histories of invertebrates. *Prerequisites: BIO 1101, L101. Co-requisite: BIO 3307.*

preparation techniques for the light and electron microscope. *Prerequisites: BIO 1101, L101, CHM 1143, L143.*

108 · COURSE DESCRIPTIONS

ervation and labeling, environmental and occupational regulations, Federal Trade Commission regulations, Kosher and Halal food laws, and topics in biotechnology. *Prerequisite: BIO 3372/L372. Corequisite: BIO 4414/L414.*

The basics of vertebrate identification, with emphasis on phylogeny, anatomy, morphology, life histories, habitats, distributions, and conservation. *Prerequisites: BIO 1101, L101, CHM 1143, L143.*

Animal and plant populations, food supply, competition, disease, fecundity, distribution, and other environmental factors. Management of endangered species and protected ecosystems are included. *Prerequisites: BIO 2229, L229, 3320, L320, CHM 1143, L143, and MTH 2210. Co-requisite: BIO L421.*

Field exercises in identifying ecological problems, formulating and testing hypotheses, and evaluating data using standard statistical methods. *Prerequisites: BIO 2229, L229, 3320, L320, CHM 1143, L143, and MTH 2210. Co-requisite: BIO 4421.*

Survey of vascular plants from different habitats in southeast Alabama. Principles of plant taxonomy, including history and systems of classification and nomenclature, the use of dichotomous keys, and general herbarium techniques. Emphasis is placed on plant identification and habitat types. *Prerequisites: BIO 1101, L101, 2229, L229.*

Sources, effects, and methods of control for air, water, land, and noise pollution. *Prerequisites: BIO 2202, L202, 2229, L229, CHM 1143, L143. Co-requisite: BIO L428.*

Field and laboratory techniques for air, water, land, and noise pollution. *Prerequisites: BIO 2202, L202, 2229, L229, CHM 1143, L143. Co-requisite: BIO 4428.*

Advanced studies in genetics with emphasis on cytogenetics and molecular genetics. *Prerequisites: BIO 3320, L320, 3372, L372, CHM 3343, L343. Co-requisite: BIO L430.*

An introduction to procedures and equipment used in the study of cytogenetics and molecular genetics. *Prerequisites: BIO 3320, L320, 3372, L372, CHM 3343, L343. Co-requisite: BIO 4430.*

110 · COURSE DESCRIPTIONS

Fundamental principles of chromosomal organization and gene expression, with emphasis on the structure and function of nucleic acids and proteins. Prerequisites: BIO 3320, L320, 3372, L372, CHM 3343, L343. Co-requisite: BIO L482.

Experimental approaches in molecular analyses of nucleic acids and proteins, with the emphasis placed on common techniques utilized in clinical and research settings. Prerequisites: BIO 3320, L320, 3372, L372, CHM 3343, L343. Co-requisite: BIO 4482.

Supervised work experience in the biotechnology industry, medical field, a governmental agency, business or industry, public service organization, food production or food service industry, or other working environment in which a student will learn

Spectroscopy of inorganic molecules, detailed molecular orbital applications, descriptive chemistry of the transition elements, including organometallic and bioinorganic compounds. *Prerequisites: CHM 2242 and 3381.*

Preparation and characterization of inorganic compounds. Experience will be provided in techniques such as using a tube furnace and handling air-sensitive compounds with a glove bag and Schlenk line. *Co-requisite or prerequisite: CHM 4444.*

The operating principles of modern analytical instrumentation for determining composition and concentration. *Prerequisites: CHM 2242, CHM 3343; PHY 2253 and L253 or PHY 2263 and L263. Co-requisite: CHM L445.*

The practical application of select modern analytical instruments to qualitative and quantitative ex-

tor. Issues in private security concerning ethics, law, and policy, as well as administration, are considered.

An examination of crime, overall and by category, and an examination of theories of crime causation, their research support and their impact on social policy, categories of crime, etc. The criminological theories covered will be classical, biological, sociological, psychological, economic, and multidisciplinary.

Constitutional provisions which are relevant to criminal law and procedure, their construction and development through court interpretation, and their application in criminal proceedings.

This course presents a broad survey of issues within the growing field of research, theory and practice in Communication. The course will cover concepts ranging from interpersonal communication to communication in popular culture to causes and remedies for conflicts. This course will also address the roles of community, media, culture and other factors that all affect the way human beings communicate with one another.

This course is a study of the principles and practices basic to public speaking. This course is designed to enhance the student's verbal and non-verbal communication skills through oral communication theory and practical application.

Study and application of the principles and practices basic to all areas of oral communication. As part of the university's Honors Program, the course is designed to achieve the student's leadership objectives through improved verbal and non-verbal communication skills by means of a focus on one substantive area of interest.

This course examines the communication styles of males and females emphasizing gender-related communication behavior and its implications for the ability to maintain effective personal and professional relationships. *Prerequisite: COM 2241*

116 · COURSE DESCRIPTIONS

application of communication skills in a variety of organizational settings. *Prerequisite: COM 2241*

Study of theories of communication behavior in relatively unstructured face-to-face situations, including small-group discussion. *Prerequisite: COM 2241 or permission of the instructor.*

Study and application of the principles and practices of oral interpretation (reading) of literature, including individual and ensemble performance. *Prerequisite: COM 2241 or permission of the instructor.*

Design and execution of a major field-related or other research project and formal presentation of results thereof. Together with the taking of a comprehensive exit exam, the student will thereby demonstrate competency in the components of speech communication. *Prerequisite: COM or permission of the instructor.*

Additional information is indexed under Guided Independent Research and Study.

Additional information is indexed under Guided Independent Research and Study

Full-time work experience as a regular staff member in excess of 20 hours per week.

ing, sorting, string matching, and the application of recursive techniques. The course will place an emphasis on the implementation of various algorithms and data structures. *Prerequisites: CS 2260 and MTH 2215.*

Approaches to the definition of artificial intelligence and to the design and implementation of intelligent computer systems. Topics include the Turing Test, Sourly; Chinese Room, blackboard systems, logic programming, knowledge based

118 · COURSE DESCRIPTIONS

Computer networks and the use of computer networks in industry environments. Topics covered include client-server networks, network hardware and software, distributed computing, user requirements, considerations in physical media and topology, selection of Network Operating Systems (NOS), computing platform

The principles and techniques of drafting and designing in a variety of theatrical spaces. *Prerequisite: DRA 2221 and completion of the DRA 2245 rotation or permission of the instructor.*

Examination of selected topics in theatre not included in the established curriculum. Content may be of a historical, thematic, technological, design, or specialized performance nature. May be repeated for credit.

A study of the theory, principles, and techniques of costume design applied to a series of theatrical projects. *Prerequisite: Completion of the DRA 2245 rotation or permission of the instructor.*

A study of the principles of lighting design and equipment applications. Also covers drafting techniques for lighting. *Prerequisite: DRA 3304 and completion of the DRA 2245 rotation or permission of the instructor.*

A continuation of Stagecraft Lab designed for the upper level student. *Prerequisites: DRA 2245 rotation or permission of instructor.*

Focuses on the nature of the text, playwright's purpose, dramatic structure, and style. The course will examine how the actor, director, designer, and technician approach a play and how that understanding translates into the staging.

A study of digital and analog recording techniques, recording equipment, and application.

A study and application of traditional and experimental techniques for theatrical rendering, including watercolor, markers, pastels, pencils, and other media.

Study and application of the principles and practices of oral interpretation (reading) of literature, including individual and ensemble performance.

120 · COURSE DESCRIPTIONS

This course prepares students to conduct advanced economic development-related research through the application of geographic information systems software. *Prerequisite: ECD 3362*

This course integrates academic knowledge with practical skills to develop professional abilities through economic development fieldwork. *Prerequisites: ECD 3360, 3362.*

The purpose of this course is to assist students as they investigate and construct operational knowledge of young children's construction of logico-mathematical knowledge. This course includes extensive laboratory experiences where students interact with diverse learners through observation and participation in the application of appropriate logico-mathematical knowledge experiences including technology and the investigation and evaluation of children's thinking. *Prerequisite: Admission to the Teacher Education Program (TEP).*

The purpose of this course is to assist students as they investigate and construct operational knowledge of young children's construction of physical knowledge. This course includes extensive laboratory experiences

ence. *Prerequisite: Admission to TEP; Co-requisite: ECE 4454.*

Additional information is indexed under **Guided Independent Research and Study**.

Macroeconomic theory of the national economy with emphasis on income, employment, banking, and public policy.

Microeconomic theories of value, production, distribution of income, and basic international economic analysis.

Business economics and personal finance in modern society.

Principles of money, credit, and banking including monetary systems, theories, and commercial banking operations related to the Federal Reserve System. *Prerequisite: ECO 2252.*

Employment, unionism, labor-management relations and human capital. *Prerequisite: ECO 2252.*

Theory and determination of prices. *Prerequisite: ECO 2252.*

An analysis of economic

122 · COURSE DESCRIPTIONS

sites: ASL 2242, EDU 2200 and 3362; or permission of instructor.

Introduces the concept of discourse analysis as it relates to ASL and English. Transcriptions and analysis of text will be the focuses. *Prerequisite: ASL 2242 or SCPI Intermediate Plus or permission of instructor.*

An introductory course which provides an overview of the ethical considerations, specialized vocabulary and skills needed to interpret in special settings such as performing arts, conferences, legal settings, phone relay, religious and health settings. *Prerequisites: EDU 2200, 3360 and 3366; or permission of instructor.*

This course is designed for all education majors. The purpose of this course is to establish a foundation of content and application relative to classroom management and discipline, emphasizing reflection, decision making, and integrated teaching/learning strategies. Methodologies utilized will include discussion, lecture, field experience, case studies, problem solving sessions, projects, and research.

This course is designed to introduce the linguistics of ASL, including phonology, 6r001 Tlltq.04 TD(TcSpecializ)10.5(ed SettIAC ks001 Tono(o(o(o)-1()6og)fa2 Tc6.4(4(e4es an0.0of AS

124 · COURSE DESCRIPTIONS

for a period of one full semester. The student

Philosophy and practice of literary scholarship, including basic tools and methods of literary research.

An exploration of major themes in the literatures of various cultures, across historical periods and in a variety of genres. The course will focus on a selected topic. *Prerequisite: ENG 1102 or equivalent*

A survey of British literature from its beginning to 1785. *Prerequisite: ENG 1102 or equivalent*

A survey of British literature from 1785 to the present. *Prerequisite: ENG 1102 or equivalent*

Technical communications for science, business, and professional work. Emphasis on writing for specific purposes to particular audiences in an organizational setting. Preparation of documents such as technical description of a mechanism or process, instructions, recommendations, reports, and resumes. *NOTE: course is a prerequisite for all required 3300- and 4400-level courses in the Professional Writing Emphasis. Students may take elective courses concurrently with this course.*

A study of the history and development of the American cinema from its inception (c. 1895) to the end of the studio system (c. 1945). Emphasis will be on social and historical ramifications, on appreciation of film as a literary and art form, and on the major pioneers and contributors to the American movies. *Prerequisite: 6 semester hours of 2000-level English courses*

Representative works of literature by women. *Prerequisite: 6 semester hours of 2000-level English courses*

An advanced study of writing expository, non-fiction prose which focuses on a variety of academic disciplines. *NOTE: This course may not be used to meet English degree requirements but may be taken for free elective credit. Prerequisite: 6 semester hours of 2000-level English courses*

A multicultural survey of the forms and varieties of the mythology and folklore of major western cultures, emphasizing stories of Scandinavian, German, British, and American origin, and the application of these forms in modern cultures and literature. This course is recommended for English teachers seeking middle school certification. *Prerequisite: 6 semester hours of 2000-level English courses*

Representation of fiction on film, with attention to visual techniques and the translation and representation of major literary themes. *Prerequisite: 6 semester hours of 2000-level English courses*

Study of plays written between 1900 and the present. List of plays may vary with each offering. *Prerequisite: 6 semester hours of 2000-level English courses*

Overview to linguistics, the scientific study of language. The course will acquaint students with the grammatical, social, biological, and technological applications of language. *Prerequisites: ENG 1101, 1102*

An exploration of the literary, social, and generic importance of science fiction. *Prerequisite: 6 semester hours of 2000-level English courses*

Detailed study of the structural system of English grammar. *Prerequisite: 6 semester hours of 2000-level English courses*

Principles and practices of editing technical and scientific documents. Overview of the editing process; defining the editor's rules and responsibilities, revising at structural and sentence levels, and addressing stylistic conventions of technical fields. Includes technical and scientific documents such as reports, proposals, and user manuals. *Prerequisite: ENG 2260 or permission of instructor.*

Practice in writing poetry, short stories, and/or plays, along with a concentrated study of the techniques and principles of creative writing in each genre. *Prerequisite: 6 semester hours of 2000-level English courses*

Continued practice in writing poetry, short stories, and/or plays, along with a more advanced study of the techniques and principles of creative writing in each genre. *Prerequisite: 6 semester hours of 2000-level English courses; ENG 3351 or permission of instructor*

Practice in writing poetry, short fiction, or plays for class and instructor evaluation. *Prerequisite: 6 semester hours of 2000-level English courses; ENG 3351 or permission of instructor*

The literature of fact. Emphasis on student writing and analysis of nonfiction forms, such as personal

126 · COURSE DESCRIPTIONS

narrative, autobiography, lyric in prose, and New Journalism. *Prerequisite: 6 semester hours of 2000-level English courses; ENG 3351 or permission of instructor*

Development of techniques in the practice of poetry, including expression through metrical patterns, rhyme, rhythm, imagery, metaphor, and symbolism. *Prerequisite: 6 semester hours of 2000-level English courses; ENG 3351 or permission of instructor*

Primarily a reading course for writers. Examination of the classic texts of literary theory; analysis of the use and purpose of the elements of fiction; and discussion of fiction form, from the short-short to hyper-text. *Prerequisite: 6 semester hours of 2000-level English courses*

Examination of the theories behind various forms of nonfiction literature, whether autobiography,

Representative novels by British writers of the 18th and 19th centuries. *Prerequisite: 6 semester hours*

128 · COURSE DESCRIPTIONS

Kyd, Marlowe, Beaumont, Fletcher, Jonson, and Webster. *Prerequisite: 6 semester hours of 2000-level English courses*

English drama (excluding Shakespeare) from the 9th through the 18th century. *Prerequisite: 6 semester hours of 2000-level English courses*

A study of Victorian poetry, with emphasis upon the works of Tennyson, Browning, Arnold, and Hardy. *Prerequisite: 6 semester hours of 2000-level English courses*

A survey of the works of major Victorian prose writers, with emphasis upon the works of Carlyle, Newman, Mill, Ruskin, Arnold, and Pater. *Prerequisite: 6 semester hours of 2000-level English courses*

Study of the major African American writers from the beginning of American history to the present. *Prerequisite: 6 semester hours of 2000-level English courses*

The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Pro-

Second course in a sequence of managerial finance.

Note: For additional information, see Placement in Academic Courses.

Introduction to the French language and culture.

Introduction to the French language and culture.
Prerequisite: FRN 1101 or permission of instructor.

Reinforcement of fundamental skills, study of sophisticated language structures and reading of simple French prose and poetry. *Prerequisite: FRN 1102 or permission of instructor.*

Reinforcement of grammatical skills, reading of simple French prose and poetry, composition and conversation. *Prerequisite: FRN 2201 or permission of instructor.*

Advanced-level reading, intensive work on composition, comprehensive treatment of French phonetics. *Prerequisite: FRN 2202 or permission of instructor.*

Advanced-level reading, intensive work on composition, aural comprehension, and practical conversation facility. *Prerequisite: FRN 2202 or permission of instructor.*

A survey of the geography, history, cultural achievements, institutions and daily life of the French.

132 · COURSE DESCRIPTIONS

systems and land management. The course also provides further study in database design, digital base map analysis and testing, and spatial analysis. *Prerequisite: GEM 3390 or consent of the instructor.*

This laboratory provides the student the opportunity to learn and use ArcInfo GIS to accomplish a full range of GIS applications.

Explores the theoretical foundations of route and construction surveying. Course topics are coordinate geometry (COGO), horizontal and vertical curve models, spirals, alignments, stationing, cross sections, areas, volumes, and route design elements. *Prerequisites: GEM 1100 or the equivalent, and GEM 3330. Co-requisite: GEM L405.*

This field laboratory applies the principles of route and construction surveying, the use of civil design (and.d2ut.6(th)7(e equ)7(i0 nd)6(ectio)4-6.6(coord2 Co-).00-1.26 TD0 405)-cal Tw.principles ofectio, and

needed to develop and transmit spatial databases for use by a variety of interests on the World Wide Web. "Remote" spatial data analysis on existing databases will be an important component of the course. *Prerequisite: GEO3370*

This course concentrates on the various components of precision modeling of the real world or anticipated events of the real world to allow for accurate decision making. *Prerequisite: ECD 3362 or permission of instructor. Corequisite: GEO L485*

The purpose of this lab is to allow the students to demonstrate their ability to collect, formulate, analyze, and draw conclusions based upon a real world modeling exercise. Prerequisite: ECD 3362 or permission of instructor. Corequisite: GEO 4485

Earth geography including climate, soils, natural vegetation, water resources, rocks, minerals, and surface structures.

Interrelationship of geographical elements in various world situations.

Selected topic studies in the physical and cultural environment, resource distribution, economy, and population characteristics of the European-Slavic land areas. Special attention will be devoted to the study of the geo-political influence of this area or

134 · COURSE DESCRIPTIONS

ior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. A written request is to be submitted to the department chair at least two weeks in advance of the term in which the study is to be undertaken. May not be used to repeat a course for which a grade of D or below has been earned. Application forms are available in the office of University Records. Guided independent research may be taken only in the applicant's major or minor field. Also see index for "Independent Study and Research."

Advanced research and study for outstanding students in their major field. Culminates in report to a department committee which includes invited faculty members in related fields.

Note: For additional information, see Placement in Academic Courses.

Introduction to the German language and culture.

Introduction to the German language and culture.
Prerequisite: GER 1121 or permission of instructor.

Emphasis on basic language skills and knowledge of German culture. Prerequisite: GER 1122 or permission of instructor.

Emphasis on basic language skills and knowledge of German culture. Prerequisite: GER 2221 or permission of instructor.

the globe in politics, economics, culture, and technology and examines the wide processes leading to the emergence of the present world.

A study of the development of religion in the United States, including denominations, beliefs, church life, and the relationship of religious beliefs to other beliefs and institutions. *Prerequisite: HIS 1111 and 1112 or permission of instructor.*

A study of war in United States history from the Colonial period to the present, with emphasis on the role of warfare in United States history and the relationship of the military to the civilian. *Prerequisite: HIS 1111 and 1112 or permission of instructor.*

An introduction to the history of African Americans from the 17th century to the present, including slavery, Civil War and emancipation, legalized discrimination, and the struggles for equality in present day American society. *Prerequisite: HIS 1111 and 1112 or permission of instructor.*

A survey of English history from the Anglo-Saxons to the Glorious Revolution, emphasizing the interaction of geographical, political, economic, and cultural forces which shaped England as a monarchy. *Prerequisites: HIS 1101 and 1102 or permission of instructor.*

The final evolution of the English political system from the reign of William and Mary to the contemporary era, including social and economic transformations, the British Empire, the two world wars, the welfare state, and current issues. *Prerequisites: HIS 1101 and 1102 or permission of instructor.*

A study of the period 1946 to 1975 in Indochina with emphasis on the American involvement during and after the French colonial period, escalating involvement of the Kennedy and Johnson administrations, and Vietnamization and withdrawal under President Nixon. *Prerequisites: HIS 1111 and 1112 or permission of instructor.*
*May be used for political science credit.

A study of the demographic, political, social, economic, and religious aspects of Alabama's history, emphasizing the role of the state within the nation. *Prerequisites: HIS 1111 and 1112 or permission of instructor.*

An introduction to the history of women in America from the 17th century to the present, exploring the major economic, religious, social, and political ideas and developments which have shaped their

status and role in American history. *Prerequisites: HIS 1111 and 1112 or permission of instructor.*

An examination of the historical research methods and archaeological techniques used to investigate and interpret archaeological sites dating from the prehistoric period.

Western Europe from the fall of Rome to the Renaissance, including religious and intellectual traditions and the revival of governmental institutions. *Prerequisites: HIS 1101 and 1102 or permission of instructor.*

Historical review of the transitional centuries bridging the medieval and the modern eras, including the rebirth of art and literature, the Protestant and Catholic reform movements, and the role of kings H3p(Prereq-1.018r.) (H3pTty8cm52677.7le of kings)TJ and ar8789(se)5tocar8789acmy.

136 · COURSE DESCRIPTIONS

A course designed to acquaint students with research methods and computer skills as related to the history profession. The principal requirement is the

viet domestic problems, and the disintegration of the USSR. Prerequisites: HIS 1101 and 1102 or permission of instructor.

Study of important civil rights personages and their writings from Frederick Douglass and other pre-

for social systems. Knowledge, skill, and value bases necessary for biopsychosocial assessment are built.

Principles and techniques of interviewing for human services professionals. Major emphasis is the building of empathic skills.

Provides experiences in a variety of social and rehabilitation settings with an emphasis on the multiple natures of human problems and the impact these problems have on the disabled and disadvantaged. Includes a weekly seminar plus a minimum of 40 clock hours per semester hour spent in a particular agency setting. Clinical hours and responsibilities will be determined by internship supervisor. *Prerequisites: Senior level, HS 2230 and HS 3370 or permission of instructor. The field site must be approved by the practicum director by mid-term of the semester prior to the field experience.*

140 · COURSE DESCRIPTIONS

An introduction to a programming language is provided. The course presents programming fundamentals, including program structure, assignment, data types, input/output, flow of control, and functions. It includes top-down design, structured programming using the basic control structures, sequence, decision, and repetition, modularization, and encapsulation. *Prerequisite: Grade of C or higher in IS 2241 and MTH 1112, (MTH 2201 recommended).*

Advanced programming, including arrays, pointers, strings, the pre-processor, structures, list processing, and advanced I/O, is examined. Emphasis is placed on developing and testing moderately complex programs. *Prerequisite: IS 2244.*

Introduction to information systems concepts, with an emphasis on describing information systems requirements, managing information resources, and applying information technology to the solution of business and management challenges. *Prerequisite: IS 2241.*

This course covers the theory, hardware and software of computer networks. Emphasis is placed on data communication principles, local area networks, and wide area networks. *Co-requisite: IS 3300.*

A survey of the programming languages and tools used to develop Web-based applications. *Prerequisite: IS 2244 or permission of the instructor.*

A conceptual framework is presented for object-oriented programming. Topics discussed include classes, data hiding, member functions, object creation, overloading, inheritance, par -1.0rlo7f()T
to deve IS

NOTE: Reasonable proficiency in keyboarding (25 wpm) is a prerequisite for all journalism courses except JRN 1101 and JRN 1103.

Advanced methods, techniques and performance styles for broadcast sports news and information. *Prerequisite: JRN 2201.*

Supervised journalism-related experiences focusing on gathering information, writing, editing, photography, design, online journalism, electronic journalism, broadcast journalism, advertising and/or public relations.

Discussion of and practical experience in servicing accounts and selling advertisements. May require selling ads for the Tropolitan. *Prerequisite: JRN 2220.*

An introduction to the production elements, theories and procedures of producing news broadcasts for television. Lighting, set design, preparation, operation of equipment, graphics, editing, responsibilities of those members involved in the production, electronic news gathering (ENG), operation of remote equipment and interviewing are topics discussed in this class.

Lecture, discussion, and research course designed to acquaint students with special topics in the fields of broadcast and print journalism. May be taken for a maximum of six hours.

Discussion of special problems and management techniques of print, broadcast, cable and public relations organizations.

Supervised experience in gathering, writing and performing a daily radio news broadcast. Two hours per day plus a weekly one-hour discussion and evaluation. *Prerequisite or Co-requisite: JRN 2203.*

Supervised experience in radio studio work. Includes audio techniques for both public affairs and musical productions, tape editing, and use of automated programming. Two hours per day plus a weekly one-hour discussion and evaluation. *Prerequisite: JRN 2203.*

Emphasis on individualized work in radio news or production. *Prerequisite: JRN 4403 or 4405.*

Supervised experience in gathering, writing and performing reports for a daily television news broadcast. Two hours per day plus a weekly one-

hour discussion and evaluation. *Prerequisite or co-requisite: JRN 2203.*

Supervised experience in technical television work. Includes in-studio and remote camera operation, lighting, video tape editing and directing. Two hours per day plus a weekly one-hour discussion and evaluation. *Prerequisite: Junior standing or above.*

Practical experience in preparation of public relations messages for a client. *Prerequisite: JRN 3321. Co-requisite: JRN 4423.nsvtc1-6.4(di)7(ct)6.5(di)7(n)dinisi(con2)7Prern2 JRN*

tionony an2

written and oral reports. *Prerequisite: Approval of the academic adviser and director of the School of Journalism, a minimum of 75 hours of course work, and successful completion of the journalism internship workshop prior to registering for JRN 4489.*

Full-time work experience as a regular staff member of a print publication, electronic media, public relations setting, advertising office, or sports information operation. Student will work under the supervision of an on-the-job supervisor and report to a Troy University faculty adviser who will monitor the work experience. Student will also be required to prepare written and oral reports during the internship/field experience. *Prerequisites: Approval of the academic adviser and director of the School of Journalism. A minimum of 75 hours of course work. Corequisite: JRN 4489.*

Additional information is indexed under Guided Independent Research and Study.

Additional information is indexed under Guided Independent Research and Study.

Study of issues related to ethics in journalism, public relations and advertising. *Prerequisite: Senior standing or permission of the instructor.*

Physical education activity course.

Physical education activity course.

Physical education activity course.

Course will introduce students to yoga as a different type of exercise. Students will explore the opportunity for yoga to become a lifetime activity in order to promote health and wellness in their daily routines.

Physical education activity course.

Physical education activity course.

Physical education activity course.

Physical education activity course.

Physical education activity course.

Physical education activity course.

Physical education activity course.

Physical education activity course.

Physical education activity course.

Physical education activity course.

Physical education activity course.

Physical education activity course.

Physical education activity course.

Physical education activity course.

Physical education activity course.

Physical education activity course.

Physical education activity course.

Physical education activity course.

Physical education activity course.

Physical education activity course.

Physical education activity course.

Physical education activity course.	Physical education activity course.
A study of health concepts that characterizes a process in the life cycle that is typical of every individual.	Physical education activity course.
Camping, leadership and program planning.	A study of the historical, philosophical and theoretical foundations of health education and health promotion, including the current status and projected trends in health education and promotion.
Community first aid and safety instruction and CPRO for the professional following American Red Cross techniques.	A study of the history and principles of health education and physical education with particular emphasis placed on present practices and trends.
Physical education activity course.	Social, folk and square dancing, including basic rhythmic activities which can be taught in elementary, middle and high schools.
Physical education activity course.	Personal conditioning-based course focusing on training principles, modes of exercise, training tools, performance enhancers, measurement concepts and exercise prescription.
Community first aid and safety instruction and CPRO for recertification. <i>Prerequisite: Proof of previous certification in American Red Cross Community First Aid and Safety and CPRO.</i>	Organization and teaching of the fundamental skills for water safety and the prevention of drowning. <i>Prerequisites: Advanced swimming or permission of instructor.</i>
Physical education activity course.	This course covers the rules, regulations, terms, origin, development, safety, equipment, and performance of skills of the physical sport skills related to KHP 4485/4486.
Physical education activity course.	Traces the historical development of fitness, conditioning, and wellness concepts for life. Identifies rules, regulations, and terminology of specified sport activities. Students are expected to perform specified skill tests in golf, soccer, swimming, tennis, and track and field with a proficiency level of 80%.
Physical education activity course.	Physical education activity course.
Physical education activity course.	Overview of recreation on federal, state and local levels with respect to history, program, population, facilities and trends.
Personal health as it applies to practices, knowledge and behavior.	Theory and practical application of psychological factors that impact wellness and performance of individuals and groups.

General anatomy, joint and muscle function, and analysis of body movements. *Prerequisites: KHP 3360 or BIO 3347 and 3348*

This course is an introductory course for students who wish to enter the professional field of sport and/or fitness management. Students will be exposed to a variety of subjects related to sport and fitness management.

This course will examine the structure, function and control mechanisms of the following body systems: musculoskeletal, nervous, endocrine, cardiovascular, and respiratory. Metabolism, temperature regulation and fluid, electrolyte and acid base balance will also be discussed. *Prerequisites: BIO 1100, CHM 1142 and L142.*

Methods and materials of

146 · COURSE DESCRIPTIONS

Course focuses on school health organization, services and institutions, grades N-12. *Prerequisite: Junior standing or above.*

Organization and administration of sport management, recreation and athletic training programs. *Prerequisite: Junior standing or above.*

Course will provide experience for applied exercise physiology principles as students are introduced to laboratory and field tests of muscular strength, anaerobic power, maximal oxygen uptake, body composition and other physiological measurements. *Prerequisite: KHP 4474.*

Course will examine the criteria for evaluation of health status of persons wishing to begin an exercise program, guidelines of establishing current fitness level, and the basic principles of exercise prescription. Levels of certification and criteria by ACSM will also be discussed. *Prerequisite: KHP 4474.*

Students will be introduced to some of the measurement techniques routinely used in exercise physiology and will gain practical experience in administration of these tests. Emphasis will be placed on how to avoid measurement errors. *Prerequisite: KHP 4474.*

Introduction to the Korean Language.

Introduction to the Korean Language.

weeks in advance of the term in which study is to be undertaken. May not be used to repeat a course in which a grade of D or below has been earned.

Offered at Dauphin Island Sea Lab (DISL) only

Courses are offered during the summer semester only. Because course offerings change, check current DISL summer bulletin for specific course offerings and descriptions.

A general survey of marine plants, invertebrates, and vertebrates, the communities that they form and the physical and chemical factors that influence them. Prerequisites: BIO 1101, L101, CHM 1143, L143.

A study of the natural history, systematics, and morphology of marine invertebrates from a variety of habitats in the Gulf of Mexico. Participation in extended field trips is a required part of the course. Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, L143.

Biology of marine vertebrates emphasizing systematics, behavior, physiology, and ecology of local forms. Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, CHM L143.

A general survey of algae and vascular plants associated with the marine and estuarine environment. Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, L143.

A study of the floral and faunal elements of various marine marsh communities. Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, L143.

A general introduction to the physics, chemistry, geology, and biology of the oceans. Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, L143.

Introduction to aquatic animal diseases, specifically fin fish and shellfish. Student will learn practical microbiological techniques for isolation and identification. Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, L143.

Examination of how animal behavior is influenced by and interacts with its environment, and the ecological and evolutionary significance of these behaviors in a marine setting. Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, L143.

An introduction to the techniques, instrumentation and equipment necessary to perform marine research, emphasizing field methods. Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, L143.

Lecture and laboratory studies of bioenergetics, community structure, population dynamics, predation, competition, and speciation in marine ecosystem. Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, L143.

Study of coastal and pelagic birds with emphasis on ecology, taxonomy, and distribution. Prerequisites: BIO 1101, L101, 2229, L229, CHM 1143, L143.

An introduction to management functions, principles, and techniques. The course includes a discussion of planning, organizing, influencing through leadership, and control within the organization. *Prerequisites: ECO 2252.*

A survey course providing an overview of the industry, its history, problems and general operating procedures. *Prerequisite: MGT 3371.*

A study of how organizational processes add value as they convert inputs to outputs. Topics covered include the strategic relationship of operations with other functional organizations, value chain concepts, quantitative methods of operations, including forecasting models, inventory models, statistical process control, process models and project management methods. The course also provides a review of current supply chain philosophies such as JIT, MRP, and EOQ inventory management methods. *Prerequisites: MGT 3371, QM 3341.*

This course prepares students to manage basic hotel operations including hotel organization, rooms, housekeeping, engineering and security, food and beverage, marketing, and financial control. *Prerequisite: MGT 3372.*

A survey of the major activities of human resource management function including recruiting, selection, placement, training, compensation, employee representation, and current issues. A prerequisite for 4000-level HRM courses. *Prerequisite: MGT 3371.*

An introduction to the broad fields of travel and tourism. Topics include cultural tourism, ecotourism, sociology of tourism, tourism components

cussed include business ethics, social responsibility, and relationships with government, education, and labor unions. *Prerequisite: MGT 3371.*

Detailed analysis of the creation and management of small business entities. The dynamics of operating small businesses successfully is presented. Emphasizes entrepreneurial opportunities, new venture processes, and managerial activities needed for the successful operation of small business. *Prerequisite: MGT 3371.*

Capstone course for business majors. Integrates knowledge, skills, and concepts acquired in all business courses taken. Requires students to analyze various corporations, determine threats and opportunities posed by the external environment as well as the firm's strengths and weaknesses, formulate strategic plans for firms, and determine how these plans should be implemented. *Prerequisites: Senior standing; completion of or concurrent enrollment in remaining business core courses.*

A survey and analysis of topics important to successfully managing internationalized business op Tw(cessfully)-7.0333 TD56tTer

thescdthespriinness. b

Course examines integrated marketing communications and how this enhances brand equity. Emphasis is placed on the decision sequence a manager would follow in planning, developing, and implementing a marketing communications program. *Prerequisite: MKT 3361.*

An applied course that introduces the economic, psychological, and social aspects of personal selling, direct selling techniques, and the sales process with emphasis on building customer relationships. *Prerequisite: MKT 3361.*

A study of the consumer as a decision maker. The course examines social, cultural, and psychological influences on purchasing decisions while emphasizing their implications for marketing strategies. *Prerequisite: MKT 3361.*

Principles and practices of retail management. The course examines retail store location, purchasing, personnel, promotions, inventory management, and Internet marketing. *Prerequisite: MKT 3361.*

Methods and procedures for collection, interpretation, and use of primary and secondary data in marketing including sampling. MKT 446 Consumer Behavior (3)

and the conic sections. It also includes the study of trigonometric and inverse trigonometric functions, trigonometric equations, vectors, complex numbers,

Differentiation in several variables. Line and surface integrals. Potential theory and differential forms. *Prerequisite: MTH 2227.*

Topics can include counting, graph theory, partitions, principle of inclusion and exclusion, finite geometries, applications of group theory, recurrence relations, generating functions. *Prerequisites: MTH 2227 and 3318.*

The elements of the theory and algorithms of graphs and hypergraphs with motivating examples from computer science, networking, scheduling, biology, etc.; algorithms, complexity, data structures, shortest paths, spanning trees, depth-first search, planar graphs, coloring of graphs and hypergraphs. *Prerequisites: MTH 3331, computer programming course, or permission of instructor.*

Topics include finite differences, interpolation, numerical integration and differentiation, solutions of equations of one variable, linear systems, and numerical solutions of ordinary differential equations. *Prerequisites: MTH 2220, 2227 and 3331, or permission of instructor.*

The real number system, completeness, limits, continuity, sequences, differentiation, and the Riemann integral. *Prerequisites: MTH 2227 and 3318.*

Sequences and series of functions, series, and a continuation of the integral to include the Fundamental Theorem of Calculus. *Prerequisite: MTH 4424.*

Complex numbers, elementary functions and their mappings, complex limits and power series, analytic functions, integrals, contour integral, and Cauchy integral formula. *Prerequisites: MTH 2227 and 3318 or permission of instructor.*

Divisibility, congruencies, prime numbers, Fermat's theorem, Diophantine equations, number theoretic functions. *Prerequisites: MTH 2227 and 3318.*

Properties of the integers, modular arithmetic. Elementary theory of groups, finite groups, subgroups, cyclic groups, permutation groups. Group isomorphisms and homomorphisms. *Prerequisites: MTH 2227, 3318, and 3331, or permission of instructor.*

Elementary theory of rings, polynomial rings, divisibility, unique factorization domains. Integral

domains, ideals, factor rings, divisibility in integral domains. Elementary theory of fields. Extension fields. *Prerequisite: MTH 4441.*

Probability theory, sample spaces, random variables, mutual exclusion, independence, conditional probability, permutations and combinations, common discrete and continuous distributions, expected value, mean, variance, multivariate distributions, covariance, Central Limit Theorem. *Prerequisite: MTH 2227 or permission of instructor.*

Fundamentals of the theory of statistics, the Central Limit Theorem, point estimation, sufficiency, consistency, hypothesis testing, sampling distributions, confidence intervals, linear regression models, interpretation of experimental results, Bayesian Estimation. *Prerequisite: MTH 4451.*

An introduction to metric and topological spaces and associated topics, separation axioms, compact-

MTH a Tce

A basic course to develop the understanding and skills to make audio recordings. Listening skills will be emphasized along with editing and recording assignments.

Study of basic skills and techniques of songwriting including melodic construction, harmonic progression, and lyric writing and revisions.

Identifying funding sources and creating effective grant proposals for music production and related activities.

An examination of the art of studio recording. The mixing console, microphones, sound effects, and digital and analog recording devices will be studied.

In-depth study of audio recording. Remote and studio recording techniques, sound reinforcement, and post production will be covered. Students will prepare a recording project portfolio.

1110/2210/3310/4410	Violin
1111/2211/3311/4411	Viola
1112/2212/3312/4412	Cello
1113/2213/3313/4413	String Bass
1114/2214/3314/4414	Piano
1115/2215/3315/4415	Organ
1116/2216/3316/4416	Voice
1117/2217/3317/4417	Clarinet
1118/2218/3318/4418	Oboe
1119/2219/3319/4419	Flute
1120/2220/3320/4420	Bassoon
1121/2221/3321/4421	Saxophone
1122/2222/3322/4422	Trumpet
1123/2223/3323/4423	Horn
1124/2224/3324/4424	Trombone
1125/2225/3325/4425	Euphonium
1126/2226/3326/4426	Tuba
1127/2227/3327/4427	Percussion
1128/2228/3328/4428	Guitar

Production of fully-staged works for musical theatre. Offers experiences on-stage, back-stage, and in the orchestra pit. Open to all students by permission of director.

Performance of choral chamber music in a variety of styles, including Renaissance, 20th Century, jazz 7TJ-10.mm0 T

1000-level courses are for non-majors and music majors studying secondary instruments. Prospective music and music education majors will be auditioned by a music faculty member to determine readiness for study as a major. Students will study two semesters each at the 2000, 3000, and 4000 levels. Approval for advancement will be given at jury examinations by faculty in each area (keyboard, voice, brass, woodwinds, percussion).

Orientation, vocal and instrumental media, forms, historical development and guided listening. Credit for this course does not apply toward any program in music.

Elements of music, composers, vocabulary for music, forms and music literature. Includes a writing project on a musical topic. *Prerequisite: ACT score of 25 or permission of instructor.*

Marching Band (fall) and concert band (spring and summer). Open to all students by permission of director.

Choral ensemble; open to all students by permission of director.

Choral group devoted to performance of choral masterworks. *Prerequisite: Open to all students with permission of instructor.*

Basic conducting techniques for instrumental and choral groups. Includes score study, rehearsal techniques and interpretation of various styles. *Prerequisite: MUS 1103.*

This course provides a broad foundation in all aspects of assessment as it is applied to the P-12 music and art classroom, from learning theory to practical application of assessment techniques, data management, critical thinking, progress reporting and portfolio building. Assessment task design in the artistic response modes is covered, and a series of assessments that can be implemented in the music/art classroom are developed. *Prerequisite: Admission to TEP.*

Group instruction in techniques of playing and teaching brass instruments.

Introduction to each of the principal woodwind instruments, emphasizing teaching techniques suitable for band classes.

Group instruction in playing and teaching the principal pitched and non-pitched percussion instruments.

Group instruction in techniques of playing and teaching stringed instruments.

Introduction to the use of the singing voice for non-voice principals in music education.

Basic introduction to guitar chording and accompanying songs in the classroom or in informal settings.

Basic skills and methods of presentation and evaluation for music in grades P-6. Role-playing experiences are used to demonstrate appropriate materials, student involvement and motivational techniques. *Prerequisite: MUS 1131 or 1132.*

String ensemble open to all students with permission of director.

Creative musical writing, criticism, and study of compositional techniques.

Ranges, transpositions and other characteristics of standard instruments and voices. Arranging projects geared to needs of school instrumental and choral groups. *Prerequisite: MUS 2202.*

Course includes basic musical instrument adjustment, maintenance and repair, common industry standards and guidelines, practical evaluation and hands-on adjustment and repair.

Materials and planning techniques for music in grades P-6. Singing, listening, movement, instrument playing and creative activities will be explored. Multicultural elements, observation, teaching experiences, and practical application of ideas will be included. *Prerequisites: MUS 1103 and junior standing.*

The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite: Admission to TEP. Co-requisite: IED 4454.*

Teaching methods, selection, organization and use of music materials in grades 6-12. Observation and teaching experiences will be included. *Prerequisites: MUS 4471 and admission to TEP.*

Additional information may be found under Independent Research and Study.

Additional information may be found under Independent Research and Study.

Public performances of the senior recital. Required for all music education majors.

of the registered nurse in the application of the nursing process to assist individuals in adapting to common and altered health states. *Prerequisites: Admission to Advanced Placement for LPNs; NSG 1135, 1151, MTH 1112, BIO 3347, L347, BIO 3348, L348, ENG 1101, PSY 3300, 2200, TROY 1101, and NSG 2213. Co-requisite: NSG 1140.*

Introduces the nursing process as a systematic approach to health promotion and maintenance. Includes the concept of human environment interaction throughout the lifespan, history of nursing, and concepts of healthcare delivery. Requires basic understanding of medical terminology. Focuses on the role of the registered nurse in the application of basic concepts, skills and techniques in simulated and reality settings. *Prerequisites: Admission to the ASN Program, ENG 1101, MTH 1112, PSY 2200, BIO 3347, L347. Prerequisites or co-requisites: NSG 1135, BIO 3348, L348.*

Focuses on the assessment phase of the nursing process as a means of collecting data for use by the registered nurse. Accentuates gathering of knowledge and skills required to perform health assessments of patients through the life span. Provides opportunities for students to develop health assessment skills by performing health assessments of essentially well individuals at various levels through the life span. Includes communication of findings. *Prerequisites: Admission to the ASN Program, ENG 1101, BIO 3347, L347, MTH 1112, PSY 2200. Prerequisite or corequisites: BIO 3348, L348.*

Builds on the concept of human-environment inter-

(ASN Program)

Reviews the concept of human-environment interaction throughout the life span. Focuses on the role

Focuses on the general classification of drugs, pharmacological actions, clinical usage, methods of administration, usual dosage, side effects, contraindications, toxic reactions, and related nursing implications. *Prerequisites: NSG 1140, NSG 1141 or 1110, and BIO 3372, L372.*

162 · COURSE DESCRIPTIONS

Develops the use of Latin and Greek prefixes, root words, and suffixes to understand medical terminology. Open to all majors.

Provides the learner with cognitive and psychomotor skills to act in emergency situations. Topics include CPR, patient head-to-toe evaluation, bleeding and shock, internal and external body injuries, splinting, poisons, bites, burns, and drownings. May audit for recertification. Open to all majors.

Provides a foundation for using computer technology in learning; addresses digital communication, resources and research. General topics include communication through electronic mail and course discussion using the World Wide Web as an information tool, online scholarly research, and digital presentations. Course focus is the application of technology skills in learning. Open to all majors.

Calculations of medication dosages including conversions from one measuring system to another, symbols used in medication administration, and arithmetic computations. *Prerequisite: Admission to BSN Program or permission of instructor.*

A study of the nutrients, their utilization in the body, and their importance in the health of individuals throughout the life cycle. Examines dietary patterns of various cultural, ethnic, and religious groups. Explores food safety and nutrition research. Open to all majors.

Examines developmental theories and internal and external dimensions of growth and development. Emphasizes tasks, stressors, common health alterations, and anticipatory guidance specific to developmental stages throughout the life span. Open to all majors.

Explores the relationship between nutrition and health. Emphasizes the roles of nutrients, their utilization in the human system and their contributions to the health of individuals throughout the life span. *Prerequisite: (the) 69 (ph) 100*
Includes the roles of various cultural, ethnic, and religious groups, nutrition ic, aa2e6.8JTdhss

Prerequisites: ENG 1101, 1102, BIO 3347, L347, 3348, and L348. Co-requisite: NSG 3310.

Provides opportunities for students to practice health assessments skills by performing health assessments of essentially well individuals at various stages of life span development. Includes analysis and communication of findings. *Prerequisites: ENG 1101, 1102, BIO 3347, L347, 3348, and L348. Co-requisite: NSG 3309.*

Explores the relationship between life span development and adaptive responses in the human environment interactive system. Examines the biological, psychological, and socio-cultural dimensions of assisting individuals to meet basic health needs and introduces the concept of illness as an altered health state. Emphasizes the nursing process and the role of the nurse in diagnosing and treating human responses to health promotion needs and common health alterations across the life span. *Prerequisite: Admission to BSN Program. Co-requisite: NSG 3314.*

Provides clinical learning opportunities for students to incorporate biological, psychological, and sociological dimensions into the care of individuals who require assistance in meeting basic health needs and into the diagnosing and treatment of human responses to common health alterations across the life span. Focuses on human-environment interaction and emphasizes the use of the nursing process as a systematic approach to health promotion and the provision of illness and restorative care. *Prerequisite: Admission to BSN Program. Co-requisite: NSG 3313.*

Explores the relationship between normal and altered physiology in human systems. Examines physiologic adaptive processes to internal and external environmental stressors. Emphasizes pathophysiological manifestations of altered states of health. *Prerequisites: BIO 3347, L347, 3348, and L348. Open to all majors.*

Provides a knowledge base for care of childbearing families. Examines the childbearing family as a part of the human environment interactive system. Emphasizes the nurse's role in facilitating adaptive responses of the childbearing family during the antepartal, intrapartal and postpartal periods. *Prerequisites: Successful completion of all nursing courses in semesters I and II of BSN clinical nursing sequence. Co-requisite: NSG 3324.*

Provides clinical learning opportunities for students to provide nursing care for childbearing families. Emphasizes use of the nursing process as systematic approach to facilitate

x

p

1

164 · COURSE DESCRIPTIONS

als experiencing alterations in mental health states. Emphasizes use of the nursing process in facilitating human adaptive responses to mental health alterations. *Prerequisites: Successful completion of all nursing courses in Semester I of BSN clinical nursing sequence. Co-requisite: NSG 3334.*

Continues to explore the relationship between life span development and adaptive responses in the human environment interactive system. Continues to explore the concept of illness as an altered health state for the adult. Emphasizes the nurse's role in diagnosing and treating human responses (biological, psychological, and socio-cultural) to common health alterations across the lifespan. *Prerequisite: Successful completion of all nursing courses in semesters I and II of the BSN clinical nursing sequence. Co-requisite: NSG 3337.*

Provides clinical learning opportunities for student to diagnose and treat human responses (biological, psychological and socio-cultural) to common health alterations

2enicalrsingclogpia4.4(tem E(t.m-1(ra Em)6((rat)6.3(i)-0.7s)4. Co4.3(asiwlf)7.1(e)TJ0 -1.0333 TD-0.0002 Tc0.0035)6.6(of t
nurs11.9(e-9Tf-10.8928 -1.03(ing sequence. Coact)6.79((requisi6e:)6.3{NS.
an (losing9pl a6.s)4(v(inter)7)7(ariets)9.8(y)1.3(

Explores the steps in the research process and the legal and ethical considerations in the conduct of nursing research. Examines variation in research

166 · COURSE DESCRIPTIONS

Principles of electricity, magnetism and optics, utilizing the methods of calculus. *Prerequisite:* PHY 2262, L262. *Co-requisite:* PHY L263.

Laboratory work emphasizes basic principles of electricity, magnetism and optics, the use of measuring instruments, and the interpretation of data. *Co-requisite:* PHY 2263.

Special relativity, quantum mechanics, and many electron systems. *Prerequisites:* MTH 1125 and PHY 2253, L253 or PHY 2263, L263. *Co-requisite:* PHY L410.

S gmaf5(Tff5(s 4.9(haf5()TJ.9(hd6.415)50naf5(mTff5(s .3(paf5(r Tff5(lef5(s af5()7 0 2(d065 and15)50stTf5(mMom3(s 40 Tc()Tj/TT4 1

tions, the regulation of the use of force in world affairs, and international human rights law.

sites: senior standing and approval of supervising instructor and the department chair.

A study of the theories of organizations and their structures as they effect the policymaking environment, examining goals, resources, effectiveness, equilibrium, and change relating to organizations and their relationship to administration.

Additional information is indexed under Guided Independent Research and Study.

An analysis of the influence of culture on interstate relations including theories, concepts, and applications.

Additional information is indexed under Guided Independent Research and Study.

This course examines the political and economic challenges faced by developing states. Theories and models of development will be analyzed in a variety of ways.

Examines selected topics of a timely nature and/or special interest within the field of political science.

An introduction to the social and political institutions of the contemporary Middle East

A survey of the basic theories, concepts, principles, and research findings in the field of psychology.

An introduction to the social and political institutions of contemporary Europe.

A survey of the basic theories, concepts, principles, and research findings in the field of psychology.

The administrative, fiscal, and legal factors that govern relations between the various government entities in the United States. The focus is on the political conflicts that occur and the strategies for resolution.

A course in mental health, designed to assist the individual in making a good adjustment to the changing requirements of the environment.

This course examines the legal environment in which government agencies function, including the powers and procedures that control administrative discretion, rule-making, investigations, prosecuting, negotiating, and settling; constitutional law, statutory law, common law, and agency-made law; the liability of governments and their officers; and selected court cases and decisions.

A study of human development across the life-span with emphasis on psychosocial, physical, emotional, and cognitive changes.

This course is designed to introduce students to the origins and significance of contemporary political violence with an emphasis on the phenomenon of terrorism. It employs an interdisciplinary, case-study approach.

Introduction to the language of psychology, APA writing style, and library research. Also includes an over view of career paths in psychology.

This course involves the study of politics in the Philippines, Indonesia, Vietnam, Laos, Kampuchea, Malaysia, Singapore, Brunei, Myanmar, and Thailand. It investigates the historical and cultural factors contributing to their political relationships within the region and internationally

An introduction to descriptive and inferential statistical concepts, methods, and tools. Topics to be covered include basic terminology, measurement, data description, probability, hypothesis testing, and inferential tests (parametric and non-parametric). Ma-1.3(nd) TJ Topics to be 60ce off15333 TD0.4(of

Supervised work in an agency that can provide practical experience in the field of study. *Prerequi-*

scribed in the current classification system of the

and industrial change. *Prerequisite: Six semester hours of psychology.*

A capstone course designed to integrate subject matter learned in previous courses, encourage critical analysis of contemporary issues, and contemplate future educational and employment opportunities in psychology. *Prerequisite: Senior standing.*

This course is designed to provide supervised research in the area of psychology. Opportunities for undergraduate research will be approved with attention to critical evaluation of research techniques, methods, and procedures. Selection of the problem must be approved by the professor under whom the study is to be conducted and the department chair or dean. A written request is to be submitted to the department chair at least two weeks in advance of the term in which study is to be undertaken. Preparation of a scholarly paper and oral defense may be required. *Prerequisite: Junior or senior standing with a minimum overall GPA of 3.0. Guided independent research may be taken only in the applicant's major or minor field. May not be used to repeat a course for which a grade of D or below has been earned. Also see index for "Independent*
.04 TDairancnt chair.6(earn "Inde-0.0002 T's major 2ed. AdOi 867 0 TDnw{Selection of)6 i8nt)Ot8nt

This course will provide an understanding of the medical, psychological, social, educational, and vocational issues that professionals must understand in order to work effectively with persons who are visually impaired.

Examines specific physical disabilities from medical, psychological, social, and vocational points of

174 · COURSE DESCRIPTIONS

plans, operating plans and time charts in the areas of forming the corporation, licensing, choosing a product mix, developing markets, planning technology, staffing, training, sales, handling claims, and other administrative functions. *Prerequisite: RMI 3335 or permission of department chair.*

Additional information is indexed under Guided Independent Research and Study. Note: This course may not be substituted for any required course. Also see index for Independent Study and Research.

Introduction to the Russian language.

Introduction to the Russian language. *Prerequisite: RUS 1101 or permission of instructor.*

Progressive development of basic language skills in Russian. *Prerequisite: RUS 1102 or permission of instructor.*

Progressive development of basic language skills in Russian. *Prerequisite: RUS 2201 or permission of instructor.*

This course provides a study of measurement and evaluation techniques for the secondary and P-12 teacher. Emphasis will be placed on the selection, evaluation, administration, scoring and interpretation of selected measures of student performance, achievement and behavior. The student will demonstrate skills in utilizing measurement data to plan appropriate learning activities for students. *Prerequisite: Admission to TEP.*

This course is designed for all secondary and P-12 education majors. The purpose of this course is to establish a foundation of content and application relative to classroom management and discipline, emphasizing reflection, decision making, and integrated teaching/learning strategies. Methodologies utilized will include discussion, lecture, field experience, case studies, problem solving sessions, projects, and research.

This course provides seniors an opportunity during internship to examine broad educational issues and concerns, topics on the state and local levels and those of personal interest. The scope of the course ranges from juvenile law, classroom management, professionalism, professional development for teachers and other course topics. *Prerequisite: Admission to TEP. Co-requisite: SED Internship.*

Teaching methods, selection, organization and use of materials and resources in the secondary school discipline(s). Observation and teaching experiences will be included. *Prerequisites: EDU 3310 and admission to TEP.*

Undergraduate research with attention to critical evaluation of research techniques, methods and procedures. *Prerequisites: junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chairperson or dean. A written request is to be submitted to the department chairperson at least two weeks in advance of the term in which study is to be undertaken. May not be used to repeat a course for which a grade of D or below has been earned. Application forms are available in the Office of University Records. Guided independent research may be taken only in the applicant's major or minor field. Also see index for "Independent Study and Research."*

Supervised study through field or laboratory projects, guided readings, creative endeavors or achievement of specific skills. *Prerequisites: junior or senior status, permission of guiding professor, approval of department chairperson and the dean. A written request is to be submitted to the department chairperson at least two weeks in ad-*

vance of the term in which study is to be undertaken. May not be used to repeat a course for which a grade of D or below has been earned. Also see index for "Independent Study and Research."

The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite: Admission to TEP. Co-requisite: SED 445A.*

An examination of conditions that are harmful to society. Topics include problems with social institutions, inequality, deviance, and social change.

Survey of basic sociological concepts and the effect of social phenomena on individuals, groups and institutions.

The social, psychological, legal and practical aspects of marriage, emphasizing the sociological perspective in an examination of major issues relating to marital success.

An analysis of several major social institutions, their structural components, processes, and resultant problems. Group interrelations and social change will be emphasized.

An examination of social changes precipitated by the invention, discovery, and diffusion of products and technologies as society moves into the 21st century. Technology-driven changes are explored within topics such as the restructuring of occupations and the workplace, threats to personal privacy, the emergence of virtual culture, the impact of the Internet on the concept of human interaction and ethical issues created by technological advancements.

An analysis of theory and research relating to the structure, functions, and processes of small groups. The course will explore group formation, structure, cohesion, conformity, power, leadership, and communication.

176 · COURSE DESCRIPTIONS

An analysis of the role of racial and cultural minorities in American society. Examines contributions of anthropology, sociology, and psychology to theories of minority/majority group relations.

Focuses on the overlapping worlds of work and

An introduction to the foundations of social research and the major types of research methods employed in sociology. *Prerequisite: Twelve hours in the social sciences to include one course in statistics and one course in research.*

Sociological analysis of religion, including the effect of religion on behavior and attitudes and the inter-institutional relationships between religion and other institutions within the U. S.

A comparative view of the social organization of communities having widely different economic, spatial and cultural bases, analyzing the structure and interrelationship between the community and other social institutions and organizations. *Prerequisite: Twelve hours of social science.*

A history and analysis of complex organizations from early to modern times.

Social analysis of human history from bands to modern societies. *Prerequisite: Fifteen hours of social science.*

Provides an overview of using the Internet for social science research and practice. *Prerequisites: Nine hours of social science.*

A study of the links between logic and emotions. *Prerequisite: Nine hours of social science.*

A survey of the aged in America, with emphasis on the psychosocial aspects of aging.

The sociological perspective applied to medicine. Topics include changing ideas of disease causation, the role of practitioners and patients, the institutional setting, differential delivery of health services, differential patterns of morbidity and mortality, and the politics of health.

Applications of skills and knowledge of sociology in government agency, foundation, public service institution or similar situation under the supervision of a faculty member. *Prerequisite: Approval of the student's academic adviser and department chair.*

Undergraduate research with attention to critical evaluation of research techniques, methods and

procedures. *Prerequisites: Junior or senior standing with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. A written request is to be submitted to the department chair at least two weeks in advance of the term in which the study is to be undertaken. May not be used to repeat a course for which a grade of D or below has been earned. Application forms are available in the office of University Records. Guided independent research may be taken only in the applicant's major or minor field. Also see index for "Independent Study and Research."*

Supervised study through field and laboratory projects, guided readings, creative endeavors or achievement of specific skills. *Prerequisites: Junior or senior standing, with a minimum overall GPA of 3.0, permission of guiding professor, approval of department chair or dean. A written request is to be submitted to the department chair at least two weeks in advance of the term in which the study is to be undertaken. May not be used to repeat a course for which a grade of D or below has been earned. Application forms are available in the office of University Records. Guided independent research may be taken only in the applicant's major or minor field. Also see index for "Independent Study and Research."*

Designed as a vehicle for the exploration of topics of current interest within the major discipline of sociology.

This course presents an overview of the social, emotional, physical, and learning characteristics of children and youth with moderate and severe disabilities. Emphasis is placed on information regarding the definition, prevalence, and etiology of moderate and severe disabilities as well as information pertaining to the classification, assessment, placement, instruction, and programming needs and services for individuals with moderate and severe disabilities. *Prerequisite: Admission to TEP.*

Thi.4933 TD 0.0001 Tc 0.1566 Tw [(SPE),2Tw [PE ,-ver

178 · COURSE DESCRIPTIONS

complex needs. *Prerequisites: SPE 3302 and Admission to TEP.*

This course emphasizes educational strategies that promote the post-school adjustment of students with disabilities. Special emphasis is placed on the legal foundation of transition and effective transition models. *Prerequisites: SPE 3303, 3304, 3340, and Admission to TEP.*

This course will focus on organizational procedures, universal design of curriculum, methods and techniques used in educating students with specific

The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a University supervisor for a period of one full semester. The student will demonstrate skills of the innovative, informed, reflective decision-maker through the internship experience. *Prerequisite: SPE 4454 and Admission to TEP.*

The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester.

nyrityo ternao ternselecited m7(e5.ait)86jtceofes- TD-0.002 Tc0.006(ud)c5((ip 8-1.04 TDn)0.6{onstrate nternTw8.9(tis)8(r(ip 8-

The student is introduced to the profession of social

Principles of pure and applied research for the social sciences. Special emphasis is given to the types of research methods employed by social scientists including survey techniques, field research, quasi-experimental designs and analytical procedures currently used in the social sciences. *Prerequisite: general studies math.*

A detailed description of what social scientists do with the information they gather. Particular attention is given to descriptive and inferential statistics, the relationship between research and policy, evaluation research, and research ethics. *Prerequisite: general studies math.*

The Professional Internship Program is the culminating clinical field-based experience for students seeking certification in a teaching field. The Professional Internship Program provides the student with the opportunity to conduct classes and assume the role of a teacher while receiving supervision from a classroom teacher and a university supervisor for a period of one full semester. The student will demonstrate skills of the informed, reflective decision maker throughout the internship experience. *Prerequisite: Admission to TEP. Corequisite: SED 4454.*

A survey of teaching methods and materials appropriate for teaching in the content areas for grades 6-12. Topics addressed will include teacher evaluation in the public schools, collaboration with special education teachers, and lesson planning formats. In addition, teaching methods, selections organization and use of history/social science materials for grades 6-12 will be covered in detail. A professional laboratory experience is included in this course. *Prerequisite: Admission to TEP.*

A survey of the major theorists in the social sciences, emphasizing those who made critical contributions influencing the several social science disciplines and contemporary theorists whose works have an interdisciplinary element.

In this course, the senior-level social science student prepares for the transition to graduate school/career. The student explores himself/herself as a person and as a social scientists in an effort to choose a fulfilling career path. In addition to career exploration, students conduct a senior project in an area of interest consistent with their academic program.

potential for negatively affecting biopsychosocial growth and development.

Exploration of the social policy formulation process and the building of analysis skills in the evaluation of social policy and programs. The impact of political, economic, and social forces is a focal point and the process of incrementalism in implementation is examined. *Prerequisites: HS 2230 or permission of instructor.*

The melding of the systems and developmental perspectives and the problem-solving approach as a basis for generalist social work practice with individual and family systems. Assessment, intervention, and evaluation skills are developed. *Prerequisite: Admission to the professional social work curriculum.*

The impact of recent changes in federal and state legislation and the role and function of professional organizations and their positions on current issues. *Prerequisite: HS/SWK major with senior standing or permission of instructor.*

The student learns to identify group processes and use these in assessment and intervention with the group as a client system. Evaluation of practice is extended to group settings. *Prerequisite: SWK 3390. Co-requisite: SWK 4472.*

Assessment and intervention with the community or organization as a client system. Skill building in evaluation of one's own practice continues. *Prerequisite: SWK 3390. Co-requisite: SWK 4471.*

Preparation for SWK 4481. *Co-requisite: SWK 4471 and SWK 4472.*

Placement in a social service agency which provides the opportunity to practice and develop be-
ti7(e)-2/4rvineor o45(tio113.3-4 -.6(and 6 -14481.)TJ5(s)4.274933 it4481. -.Erc)-4.1(c)-4.1-4.5(rve)-4.5(n)5(-)-eO0.003{ul.6(p settings.)g

