
COURSE DESCRIPTIONS

ACCOUNTING*[DIVISION OF BUSINESS AND ECONOMICS]***ACCT 2000 Survey of Accounting**

Credit: 3 hours

This is a survey course of the fundamentals of financial and managerial accounting designed for the non-business major. The course includes the conceptual background for the measurement of income and analyzing the financial conditions of businesses and information used in applying managerial accounting techniques. This course is not open to students who have had ACCT 2101. Three hours per week.

ACCT 2101 Principles of Accounting I

Credit: 3 hours

Prerequisite: ENGL 1101 and Area A MATH

A study of the underlying theory and application of financial accounting concepts. Focuses on the development, analysis, and interpretation of financial statements and their use in decision making. Three hours per week.

ACCT 2102 Principles of Accounting II

Credit: 3 hours

Prerequisite: At least a "C" in ACCT 2101

A study of the underlying theory and application of managerial accounting concepts. The a study of financial and non-financial information for use by internal decision makers in merchandising, manufacturing, and service organizations. Focuses on the application of concepts to decision making. Three hours per week.

ACCT 3101 Intermediate Financial Accounting I

Credit: 3 hours

Prerequisite: At least a "C" in ACCT 2102

The study of the theory, principles, and procedures of financial accounting. Focuses on the preparation of financial statements and emphasizes the time value of money, cash, receivables, and inventory. Three hours per week.

ACCT 3102 Intermediate Financial Accounting II

Credit: 3 hours

Prerequisite: At least a "C" in ACCT 3101

The study of the theory, principles, and procedures of financial accounting begun in ACCT 3101. Emphasizes long term assets, current and long term liabilities, and shareholders' equity. Three hours per week.

ACCT 3103 Intermediate Financial Accounting III

Credit: 3 hours

Prerequisite: At least a "C" in ACCT 3102

The study of the theory, principles, and procedures of financial accounting begun in ACCT 3102. Emphasizes the analysis, recording, reporting, and disclosure of complex accounting issues including but not limited to leases, pensions, deferred income taxes, cash flows, and interim reporting. Three hours per week.

ACCT 3110 Cost Accounting

Credit: 3 hours

Prerequisite: At least a "C" in ACCT 2102

The study of the preparation and analysis of information to assist management in decision making, planning, and controlling business activities. Emphasizes the use of management accounting information for costing products and services, budgeting, pricing and product mix decisions, and evaluating operation performance. Three hours per week.

ACCT 3120 Principles of Taxation I

Credit: 3 hours

Prerequisite: At least a "C" in ACCT 2102

The study of the application of tax accounting and ethics as it applies mainly to individuals. Introduces research and analysis as it applies to solving tax problems. Three hours per week.

ACCT 3125 Governmental and Not-For-Profit Accounting

Credit: 3 hours

Prerequisite: At least a "C" in ACCT 3101

The study of financial accounting and reporting for state and local governments as well as selective other nonprofit entities. Emphasizes fund accounting for governmental entities. Three hours per week.

ACCT 4110 Advanced Accounting

Credit: 3 hours

Prerequisite: At least a "C" in ACCT 3102

The study of accounting and reporting for selective complex topics with primary emphasis on business combinations, partnerships, and trusts and estates. Three hours per week.

ACCT 4120 Principles of Taxation II

Credit: 3 hours

Prerequisite: At least a "C" in ACCT 3120

The study of the federal taxation of corporations, partnerships, and estates and trusts. Emphasizes the impact of the tax law regarding choice of entity decisions. Requires research. Three hours per week.

ACCT 4135 Auditing

Credit: 3 hours

Prerequisite: At least a "C" in ACCT 3102

The study of the authoritative literature, generally accepted auditing standards, providing guidance for the independent audit of financial statements. Emphasizes the risk-based audit process used by the independent auditor to conduct an examination of and render a report on financial statements. Three hours lecture per week.

ACCT 4205 Accounting Information Systems

Credit: 3 hours

Prerequisite: Grade of "C" or better in both ACCT 3101 and BUSA 2201

The study of the design, documentation, and operation of the accounting information systems that collect, process, and report economic data generated by the major transaction cycles. Three hours per week.

ACCT4305 Current Issues-Accounting and Auditing

Credit: 3 hours

Prerequisite: At least a "C" in both ACCT 3103 and ACCT 4135

The study of the most recent current events and issues impacting the accounting profession. Topics may include updates on official releases from authoritative bodies such as the FASB, GASB, SEC, AICPA, updates on state and/or federal legislation and regulation, and updates on trends in the profession. Three hours per week.

ACCT 4505 Special Topics

Credit: 1 – 3 hours

Prerequisite: Division Chair approval

The study of topics not covered in regular course offerings. Emphasizes course design that meets the special needs of students and/or the community. Faculty sponsor and students arrange contact hours.

ACCT4605 Internship and/or Cooperative Education

Credit: 1 – 9 hours

Prerequisite: Division Chair and faculty sponsor approval

This is an individually designed and planned learning experience involving field experience and study in the private or public sector.

ANTHROPOLOGY

*[DIVISION OF SOCIAL SCIENCES]***ANTH1102 Introduction to Anthropology**

Credit: 3 hours.

This is a survey of general anthropology, the comparative study of humankind as a whole, including its major subdisciplines: cultural anthropology, archaeology, linguistics, and physical anthropology. Through ethnographic descriptions, comparisons across time, and cross-cultural analysis, emphasis is placed on the great variety of cultural adaptations which various peoples have developed to survive and to meet human needs. Three hours per week.

ART

*[DIVISION OF HUMANITIES]***ARAP1100 Art Appreciation**

Credit: 3 hours

This is an understanding of the arts, built upon an exposure to painting, sculpture, architecture, and other arts of contemporary and historical times. Illustrated lectures and "hands-on" field trips to augment classroom lectures, videos, and tapes. Three hours per week.

ARTH2145 Art History

Credit: 2 hours

This is a survey course in art history from pre-historic art through the 20th century. Students will be given individual assignments to be researched and will present to the class their findings. Some assignments will include visual supplementation while others will involve a "hands on" approach exploring the actual type of art work studied. Numerous field trips will be taken to see art work displayed in the area. A trip to Atlanta to the High Museum will be mandatory. Two hours per week.

ARTS 1341 Drawing

Credit: 4 hours

This is a basic course in drawing, using shading to give a three-dimensional effect of volume on a two-dimensional ground. Illustrated demonstrations and critiques each week. Media: charcoal, pencil, pen and ink, and pastels. Six hours laboratory per week.

ARTS 1342 Two- and Three-Dimensional Design

Credit: 4 hours

This is a basic design in two and three dimensions, including the underlying concepts of the design process related to a detailed examination of the perceptual characteristics of well-ordered two- and three-dimensional forms. Color theory will be explored as well as spatial concepts and manipulation of three-dimensional materials. Six hours laboratory per week.

ARTS 2341 Multi-Media

Credit: 4 hours

Prerequisite: ARTS 1341 and ARTS 1342 or permission of instructor

This is experimental graphics and creative drawing in mixed media. Drawing vocabulary expanded to understand and illustrate complex ideas involving the human figure. Media: pen and ink wash, wood-relief, plexiglass intaglio, collage and encaustic. Six hours laboratory per week.

ARTS 2342 Painting: Transparent and Opaque

Credit: 4 hours

Prerequisite: ARTS 1341 and ARTS 1342 or permission of instructor

This is a study of the substance of painting—elements, their qualities, relations and functions—and of the operations and procedures involved in the construction of transparent and opaque paintings. Media: watercolor, opaque watercolor, and oil or acrylic paints. Six hours laboratory per week.

ARTS 4400 Principles of Graphic Design

Credit: 3 hours

Prerequisite: ITEC 3236 and ITEC 4232 or permission of instructor

Students will learn aesthetics of layout and design, mixing graphics with text, and balancing image against message. Applying and developing individual creativity, this course will use theories of art and digital tools so that students will design a variety of graphic projects. Three hours per week.

ASTRONOMY

[*DIVISION OF NATURAL SCIENCES AND MATHEMATICS*]

ASTR 1010K Astronomy of the Solar System

Credit: 4 hours

Prerequisite: MATH 1101 or MATH 1111

The course will cover astronomy from early ideas of the cosmos to modern observational techniques. The solar system planets, satellites, and minor bodies, plus the origin and evolution of the solar system also will be covered. Three hours lecture and two hours **laboratory** per week.

ASTR 1020K Stellar and Galactic Astronomy

Credit: 4 hours

Prerequisite: ASTR 1010K or permission of instructor

This course will cover the study of the sun and stars, their physical properties and evolution, interstellar matter, star clusters, our galaxy and other galaxies, and the origin and evolution of the Universe. Three hours lecture and two hours **laboratory** per week.

BIOLOGY*[DIVISION OF NATURAL SCIENCES AND MATHEMATICS]***BIOL 1001K Introductory Biology I***

Credit: 4 hours

Corequisite: BIOL 1001L

This non-major's course, the first in a lab sequence, is designed to develop an appreciation for the biological sciences and to strengthen understanding of scientific method and experimental design through applied thinking. An appreciation of biological concepts and literacy also will be attained. The course will concentrate on the cellular and molecular levels of biology and will include topics such as an introduction to biological chemistry, cell biology, genetics, and evolutionary mechanisms will be presented. Three hours lecture and two hours **laboratory** per week.

BIOL 1001K-H Honors Introductory Biology I

Credit: 4 hours

Prerequisite: Admission to the Honors Program

Corequisite: BIOL 1001H Laboratory

This non-majors' honors course, the first in a lab sequence, is designed to develop an appreciation for the biological sciences and to strengthen understanding of scientific method and experimental design through applied thinking. An appreciation of biological concepts and literacy also will be attained. The course will concentrate on the cellular and molecular levels of biology and will include topics such as an introduction to biological chemistry, cell biology, genetics, and evolutionary mechanism. Students will participate in an honors laboratory section where they will conduct an in-depth study of the methods of scientific investigation. Students will be required to submit projects related to lecture subjects. Three hours lecture and two hours **laboratory** per week.

BIOL 1002K Introductory Biology II*

Credit: 4 hours

Prerequisite: BIOL 1001K

Corequisite: BIOL 1002L

This non-major's course, the second in a lab science sequence, is designed to increase an appreciation for the basic concepts of biology including an understanding of the scientific method and experimental design. To achieve the goal, the subject areas of organismal diversity and organismal anatomy and physiology will be investigated. Organ systems to be covered will include the digestive system, respiratory system, immune system, cardiovas-

* Students can receive credit for graduation only with either BIOL 2107 and 2108 or BIOL 1001 and 1002

cular system, excretory system, endocrine system and reproductive system. Three hours lecture and two hours **laboratory** per week.

BIOL 1002K-H Honors Introductory Biology II*

Credit: 4 hours

Prerequisite: Admission to the Honors Program and BIOL 1001K or BIOL 1001K-H

Corequisite: BIOL 1002H Laboratory

This non-majors' honors course, the second in a lab sequence, is designed to increase an appreciation for the basic concepts of biology, including an understanding of the scientific method and experimental design. To achieve the goal, the subject areas of organismal diversity and organismal anatomy and physiology will be investigated. Organ systems to be covered will include the digestive system, respiratory system, immune system, cardiovascular system, excretory system, endocrine system, and reproductive system. Students will participate in an honors laboratory section where they will conduct an in-depth study of the methods of scientific investigation. Students will be required to submit projects related to lecture subjects. Three hours lecture and two hours **laboratory** per week.

BIOL 1003 Introductory Biology III

Credit: 3 hours

This non-major's course is designed to enable students to fulfill the Area D elective requirement with a science course. Topics will vary with the instructor but will consistently be designed to continue the development of an appreciation for basic biological concepts including the scientific method and experimental design. Currently, the course is designed to focus on the science of the study of insects (Entomology) in which the areas of insect life styles, ecological roles, diversity and relations to other organisms will be investigated. Throughout the course, the effects of insects on people, society, and history will be related. Three hours per week.

BIOL 1004 Perspectives on the Human Body

Credit: 3 hours

Corequisite: MSCC 1000

This course is designed to promote an interest in science through a better understanding of the human body. The organization, maintenance, and control of the body will be examined through the study of specific body systems in health and disease. Discussions will include the scientific process of investigation, cellular activity and cancer, basic concepts of energy and the digestive system, the relationship between structure and functions in the musculoskeletal system, and the role of hormones in regulating body functions. Students will learn how critically to evaluate information and keep current of the rapidly changing scientific world through news media and Internet activities. Three hours per week.

BIOL 1005 Perspectives on the Environment

Credit: 3 hours

Corequisite: MSCC 1000

An introduction to basic environmental principles and possible solutions to

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environmental problems. Topics will include discussions of how the environment is organized, problems associated with natural resources' availability and mis-use, and practical strategies that could assure the sustainability of our planet. Students will learn how to evaluate critically various sources of information about the environment from several types of media. Three hours per week.

BIOL 1104 Survey of Human Anatomy and Physiology

Credit: 4 hours

This course is open only to ICAPP students. An introduction to the basic concepts of the structural and functional organization of the human body. Topics to be considered include an overview of the human body plan, cells and tissues, and a more detailed study of the organ system. Four hours per week. Students in health-related fields requiring A & P must take BIOL 1114K and 1124K.

BIOL 1105 Introduction to Environmental Biology

Credit: 3 hours

A non-majors biology course exploring the concepts and issues regarding the relationship between man and his environment. Topics include the structure and management of ecosystems, human population, energy and natural cycles, renewable resources and pollution. Three hours per week.

BIOL 1114K Anatomy and Physiology I

Credit: 4 hours

Corequisite: BIOL 1114L

This course is an introduction to the structure and function of the human body beginning with the study of cell structure and function, control systems, and homeostasis, tissue types and continuing with the study of skeletal, muscular, and nervous systems. Students enrolling should have prior knowledge equivalent to BIOL 1001K or should have completed the college preparatory curriculum. Three hours lecture and two hours **laboratory** per week.

BIOL 1124K Anatomy and Physiology II

Credit: 4 hours

Prerequisite: BIOL 1114K

Corequisite: BIOL 1124L

A continuation of BIOL 1114K, this course involves an integrated approach to the study of the endocrine, integumentary, circulatory, urogenital, respiratory, and gastrointestinal systems. Three hours lecture and two hours **laboratory** per week.

BIOL 1134K Microbiology for Health Sciences

Credit: 4 hours

Prerequisite: BIOL 1114K

Corequisite: BIOL 1134L

This is an introduction to structure, function, and life cycles of viruses, bacteria, protists, fungi, and metazoan parasites. Special emphasis is placed on the role of bacterial on 1) the human environment, 2) food production and preservation, and 3) human disease. The laboratories will cover the most

common procedures for bacterial isolation, identification, quantification, and control. Three hours lecture and three hours **laboratory** per week.

BIOL 2053 Parasites and their Hosts

Credit: 3 hours

This course seeks to investigate and examine the basic principles and evolution of the parasitic lifestyles of various groups of organisms and includes a survey of the most common parasitic species. Special emphasis will be placed on parasites of humans and domestic animals. Three hours per week.

BIOL 2107K Principles of Biology I*

Credit: 4 hours

Pre/Corequisite: CHEM 1211K

Corequisite: BIOL 2107L

This is a major course where students investigate the principles and applications of biology. Topics include the scientific method, cell structure and function, basic chemistry of life, cellular reproduction and genetics, biotechnology, taxonomy and relationships among organisms (bacteria, fungi, protist, and plants). Three hours lecture and two hours **laboratory** per week.

BIOL 2108K Principles of Biology II*

Credit: 4 hours

Prerequisite: BIOL 2107K

Corequisite: BIOL 2108L

This is a continuation of BIOL 2107K. Areas of study include a survey of the animal kingdom with emphasis on diversity and evolutionary relationships, selected topics in plant anatomy and physiology, and vertebrate anatomy and physiology with emphasis on the human and ecology. Three hours lecture and two hours **laboratory** per week.

BIOL 2254K Invertebrate Zoology

Credit: 4 hours

Prerequisite: BIOL 1002K or BIOL 1002K-H or BIOL 2108K

Corequisite: BIOL 2254L

This is an introduction to the natural history of the invertebrate phyla, with emphasis on the major groups: their phylogeny, comparative structure and physiology, ecology, and embryology necessary for an understanding of homology. Three hours lecture and two hours **laboratory** per week.

BIOL 2264K Vertebrate Zoology

Credit: 4 hours

Prerequisite: BIOL 1002K or BIOL 1002K-H or BIOL 2108K

Corequisite: BIOL 2264L

This is an introduction to the natural history of the phylum Chordata with emphasis on the vertebrate classes: their phylogeny, comparative structure and physiology, ecology, historical distribution patterns, and embryology necessary for an understanding of homology. Three hours lecture and two hours **laboratory** per week.

* Students can receive credit for graduation only with either BIOL 2107 and BIOL 2108 or BIOL 1001 and BIOL 1002

BIOL 2504K Microbiology

Credit: 4 hours

Prerequisite: BIOL 2108K or permission of instructor

Corequisite: BIOL 2504L

This course is designed to give students a broad molecular biology foundation in the science of microbiology, including the metabolism and genetics of microorganisms, their interactions in the environment, medical significance, and influences on everyday life. The laboratory, which involves an experimental project, is designed to cover the techniques used to isolate, culture, observe, identify, and control viruses and microorganisms. Three hours lecture and three hours **laboratory** per week.

BIOL 2510K Genetics

Credit: 3 hours

Prerequisite: BIOL 2108K

A comparative examination of genetic mechanism in viruses, bacteria, and eukaryotic cells. Topics include molecular genetics and gene function, transfer systems and mapping, cytological, quantitative, and population genetics. Three hours per week.

BIOL 2999 Special Topics in Biology

Credit: 1 hour

Prerequisite: BIOL 1114K or BIOL 2107K

An independent study course in which students are expected to perform research on specific topics in biology and present findings in class discussions and in a research paper. Students should have a strong background in the biological sciences. One hour per week.

BUSINESS*[DIVISION OF BUSINESS AND ECONOMICS]***BUSA 1201 Keyboarding**

Credit: 3 hours

This course introduces students to keyboarding rules and techniques. Emphasis is on mastery of the keyboard. Three hours lecture and laboratory combination per week.

BUSA 2105 Communicating in the Business Environment

Credit: 3 hours

Prerequisite: ENGL 1102

This is a course emphasizing both interpersonal and organizational communications to include written and oral exercises appropriate to business practice. Three hours per week.

BUSA 2201 Business Information Applications

Credit: 3 hours

This is a course designed to provide an overview of information analysis concepts and applications in today's business environment. Topics include a brief history of information technology use in business, the information processing cycle, networking, and business operations in the online world. Emphasis is on business productivity software including spreadsheets, busi-

ness databases, presentation software, e-mail, basic Web page development, and Internet utilization. Students make oral presentations using PowerPoint presentation software. Three hours lecture and laboratory combination per week.

BUSA 3100 Business and Society

Credit: 3 hours

An analysis of business's social and ethical responsibilities to both external and internal groups that have a stake in the firm or its actions and decisions. A stakeholder management perspective is employed to allow the integration of ethical issues into the firm's strategic plans and operations. Three hours per week.

BUSA 3153 (HUMN 3153) Organizations, Work, and Literature

Credit: 3 hours

Prerequisite: ENGL 1102 or ENGL 1102H

The aim of this course is for students to examine through the windows of literature the individual within the organization and how the individual is shaped as a participant within a particular organization by various cultural and social indices. The approach will be interdisciplinary. The course will examine poems, stories, novels, plays, films, television programs, and essays to explore how literature represents the worlds of work and leadership. Philosophies of capital and labor will be discussed through issues of workplace policy, gender assumptions, organizational values, and family. Three hours per week.

BUSA 4505 Special Topics

Credit: 3 hours

Prerequisite: Approval of Division Chair

This is a customized course under the direction of a faculty sponsor that meets special needs of students and/or the community. It is designed to offer students an opportunity to study at a level or on topics not covered in regularly scheduled courses. Three hours per week.

LENB 3135 Legal Environment of Business

Credit: 3 hours

This is a study of the legal and regulatory environment of business that focuses on ethical, global, political, economic, social, environmental, technological, and diversity issues. Three hours per week.

CHEMISTRY

[DIVISION OF NATURAL SCIENCES AND MATHEMATICS]

CHEM 1101K Introductory Chemistry I*

Credit: 4 hours

Corequisite: CHEM 1101L

This is the first course in a two-semester sequence covering the basic principles and applications of chemistry designed for non-science majors. Topics to be

* Students can receive credit for graduation only with either CHEM 1101 and CHEM 1102 or CHEM 1211 and CHEM 1212.

covered include atomic structure and isotopes, periodicity, and chemical equations. Laboratory exercises supplement the lecture material. Three hours lecture and two hours **laboratory** per week.

CHEM1102K Introductory Chemistry II*

Credit: 4 hours

Prerequisite: CHEM 1101K

Corequisite: CHEM 1102L

This is the second course in a two-semester sequence covering the basic principles and applications of chemistry designed for non-science majors. Laboratory exercises supplement the lecture material. Three hours lecture and two hours **laboratory** per week.

CHEM1151K Survey of Chemistry I

Credit: 4 hours

Corequisite: CHEM 1151L

This is the first course in a two-semester sequence covering elementary principles of general, organic, and biochemistry designed for allied health professions majors. Topics to be covered include elements and compounds, chemical equations, nomenclature, and molecular geometry. Laboratory exercises supplement the lecture material. Three hours lecture and three hours **laboratory** per week.

CHEM1152K Survey of Chemistry II

Credit: 4 hours

Prerequisite: CHEM 1151K

Corequisite: CHEM 1152L

This is the second course in a two-semester sequence covering elementary principles of general, organic, and biochemistry designed for allied health professions majors. Laboratory exercises supplement the lecture material. Three hours lecture and three hours **laboratory** per week.

CHEM1211K Principles of Chemistry I*

Credit: 4 hours

Prerequisite: High School Chemistry, or CHEM 1101K, or CHEM 1151K, or permission of instructor

Pre/Corequisite: MATH 1111

Corequisite: CHEM 1211L

This is the first course in a two-semester sequence covering the fundamental principles and applications of chemistry designed for science majors. Topics to be covered include composition of matter, stoichiometry, periodic relations, and nomenclature. Laboratory exercises supplement the lecture material. Three hours lecture and three hours **laboratory** per week.

CHEM1212K Principles of Chemistry II*

Credit: 4 hours

Prerequisite: CHEM 1211K

Corequisite: CHEM 1212L

This is the second course in a two-semester sequence covering the fundamen-

* Students can receive credit for graduation only with either CHEM 1101 and CHEM 1102 or CHEM 1211 and CHEM 1212.

tal principles and applications of chemistry designed for science majors. Laboratory exercises supplement the lecture material. Three hours lecture and three hours **laboratory** per week.

CHEM2241K Fundamental Organic Chemistry I

Credit: 4 hour

Prerequisite: CHEM 1212K

Corequisite: CHEM 2241L

This is an introduction to nomenclature, structure and reactions of aliphatic and aromatic hydrocarbon compounds. The concepts of stereochemistry, reaction mechanisms, resonance theory, and aromaticity will be discussed. The laboratory session provides the training for basic laboratory techniques of modern organic chemistry. Three hours lecture and three hours **laboratory** per week.

CHEM2242K Fundamental Organic Chemistry II

Credit: 4 hours

Prerequisite: CHEM 2241K

Corequisite: CHEM 2242L

This is a study of functional group derivatives of hydrocarbon compounds such as alcohols, ethers, aldehydes, ketones, carboxylic acids, and their amines and amides. The reactions, synthesis, and spectrophotometric identification of organic compounds will be emphasized. Special topics such as heterocyclic compounds, orbital symmetry, and biomolecules will be explored. Microscale technique will be used in the laboratory. Three hours lecture and three hours **laboratory** per week.

CHEM2999 Special Topics in Chemistry

Credit: 2 hours

Corequisite: CHEM 2241K

This is a special topics course involving a current chemical/environmental problem. Students will produce a report requiring extensive literature search. Two hours per week.

COMMUNICATION

[DIVISION OF HUMANITIES]

COMM1110 Public Speaking

Credit: 3 hours

Prerequisite: English 1102 or permission of instructor

This is an introductory course on basic public speaking with emphasis on theory, research, organization, writing, and delivery. Students will receive instruction through lecture, class discussion, and application of informative, persuasive, and impromptu speaking. Three hours per week.

COMM1211 Beginning Forensic Activity

Credit: 1 hour

The course is designed to prepare students for competition in Individual Events (Public Address, Oral Interpretation, Limited Presentation). Students will be responsible for researching and analyzing material, organizing and writing speeches, and participating in practice speech rounds. They will also

be responsible for attending and participating in forensic tournaments at the novice level. One hour lecture and two hours **laboratory** per week.

COMM2010 Interpersonal Skills for a Global Society

Credit: 3 hours

Prerequisite: ENGL 1102 or permission of instructor

This is an introduction to the study and practice of basic strategies, skills, and principles of effective interpersonal communication in intercultural contexts. Major emphasis will be placed on understanding how cultural issues affect interpersonal communication effectiveness, the role of communication attitudes, values, and behaviors in intercultural adaptation, developing and improving intercultural, interpersonal communication skills, and transcending cultural differences to build community. Three hours per week.

COMM2211 Advanced Forensic Activity

Credit: 1 hour

Prerequisite: Two units of COMM 1211

The course is designed for students with previous collegiate competitive public speaking experience. Students will continue study/practice in Individual Events with competition at the varsity level. One hour lecture and two hours **laboratory** per week.

COMMUNICATIONS & INFORMATION TECHNOLOGY

[DIVISION OF HUMANITIES]

CIT4470 Student Editor Internship

Credit: 3 hours

Prerequisite: ITEC 2215 and at least a "C" in English 3106 or 3107

This is an on-campus internship designed to provide students with an opportunity to apply their academic training by working as an editor or student leader for an on-campus, student-run media organization such as *The Matrix* or *The Fall Line Review*. This course can be taken only once.

CIT4471 Off-Campus Internship

Credit: 3 hours

Prerequisite: ITEC 2215 and at least a "C" in English 3106 or 3107

The off-campus internship in CIT is designed to provide students with opportunity to apply their academic training by working in an appropriate position with an off-campus company or organization. Arrangements for internships must be made before the semester begins but not during a break between semesters. The off-campus internship must be approved by a CIT advisor. Typically, students make the outside contact. The course can be taken only once.

COMPUTER SCIENCE

[DIVISION OF NATURAL SCIENCES AND MATHEMATICS]

CPSC1010 Introduction to Computer Science

Credit: 3 hours

Prerequisite: At least a "C" in MATH 1101, MATH 1111, or a year of high

school math beyond Algebra II

This course introduces the student to programming with emphasis on algorithmic development and modular design. Topics in addition to design and development elements include input, output, control statements, looping, functions, arrays, and files. Three hours per week.

CPSC 1301 Computer Science I

Credit: 4 hours

Prerequisite: At least a "C" in MATH 1113 and CPSC 1010; or RETP and at least a "C" in MATH 1251; or permission of the instructor

This course includes an overview of computers and programming; problem-solving and algorithm development; simple data types; arithmetic and logical operators; selection structures; repetition structures; text files; arrays (one- and two-dimensional); procedural abstraction and software design; modular programming (including subprograms or the equivalent). Four hours per week.

CPSC 1302 Computer Science II

Credit: 4 hours

Prerequisite: At least a "C" in CPSC 1301

This course includes an overview of abstract data types (ADT's); arrays (multidimensional) and records; sets and strings; binary files; searching and sorting; introductory algorithm analysis (including Big-O); recursion; pointers and linked lists; software engineering concepts; dynamic data structures (stacks, queues, trees). Four hours lecture per week.

CPSC 2310 Introduction to the 'C' Language

Credit: 3 hours

Prerequisite: At least a "C" in CPSC 1301

This is a continuation of the development of computer programming solutions for solving problems with emphasis on algorithmic design, top-down development, implementation using ANSI C, and testing of solutions. Concepts include the review and reinforcement of topics studied in Computer Science I, procedural and data abstraction, dynamic data structures, text file processing, and data communication within modular programming design. Programming assignments are completed in the ANSI C language in a Unix environment. Three hours per week.

CPSC 2320 Introduction to Programming in Ada

Credit: 3 hours

Prerequisite: At least a "C" in CPSC 1301

This is a continuation of the development of computer programming solutions for solving problems with emphasis on algorithmic design, top-down development, implementation using Ada, and testing of solutions. Concepts include the review and reinforcement of topics studied in Computer Science I, procedural abstraction, the use of packages as a mechanism for encapsulation and data abstraction, text file processing, private types, exceptions and exception handling, and use of generics. Programming assignments are completed in the Ada language in a Unix environment. Three hours per week.

CPSC 2330 Object-Oriented Design

Credit: 2 hours

Prerequisite: At least a "C" in CPSC 1301

This is a continuation of the development of computer programming solutions for solving problems with emphasis on object-oriented design, top-down development, and testing of solutions. Concepts include the Object Model, classes and objects, classification, notation, and process. Programming assignments and examples will be in object-oriented language. May be repeated for credit with a different language. Two hours per week.

COOPERATIVE EDUCATION

COOP 2291 Cooperative Education I

Credit: 1 hour

Prerequisite: Acceptance in the Cooperative Education Program

This is a work/study course in an approved cooperative education position.

COOP 2292 Cooperative Education II

Credit: 1 hour

Prerequisite: COOP 2291 and permission of the Coordinator of Cooperative Education

This is a work/study course in an approved cooperative education position.

COOP 2293 Cooperative Education III

Credit: 1 hour

Prerequisite: COOP 2292 and permission of the Coordinator of Cooperative Education

This is a work/study course in an approved cooperative education position.

COOP 2294 Cooperative Education IV

Credit: 1 hour

Prerequisite: COOP 2293 and permission of the Coordinator of Cooperative Education

This is a work/study course in an approved cooperative education position.

CRIMINAL JUSTICE

*[DIVISION OF SOCIAL SCIENCES]***CRJU 1100 Introduction to Criminal Justice**

Credit: 3 hours

This is a historical and contemporary survey of law enforcement and the structure, functions, and operations of criminal justice agencies, including the police, courts, and corrections. Three hours per week.

CRJU 2202 Introduction to Criminology

Credit: 3 hours

This is a survey of the field of criminology, including theories of causation, statistical trends, criminal behavior systems, and behavior within law enforcement and rehabilitative structures. Three hours per week.

CRJU 2204 Introduction to Criminal Law

Credit: 3 hours

This is an introduction to criminal law as it relates to enforcement, judicial, and correctional processes. Included are the history and basic concepts of criminal law, essential elements of selected crimes, and constitutional considerations. Three hours per week.

CRJU 2210 Introduction to Juvenile Delinquency

Credit: 3 hours

Prerequisite: SOCI 1101 and CRJU 2202

This is an introduction to the historical and contemporary philosophies affecting juveniles who come into contact with the justice system. Trends in juvenile delinquent and status offenses are outlined. Specific procedures used in processing children and youths, from intake to disposition, are examined. Three hours per week.

CRJU 2231 Introduction to Corrections

Credit: 3 hours

This is a historical and contemporary survey of mechanisms of social control and societal responses to criminality in the United States, including the philosophical underpinnings of these responses: i.e., retribution, rehabilitation, restitution, deterrence, and incapacitation. Special emphasis is given to the contemporary implementation of these correctional philosophies. Three hours per week

ECONOMICS

[*DIVISION OF BUSINESS AND ECONOMICS*]

ECON 2105 Principles of Macroeconomics

Credit: 3 hours

Prerequisite: Area A Math

This principles of economics course is intended to introduce students to concepts that will enable them to understand and analyze economic aggregates and evaluate economic policies. Three hours per week.

ECON 2105H Honors Principles of Macroeconomics

Credit: 3 hours

Prerequisite: Admission to the Honors Program and an Area A Math

This is an honors course in principles of economics intended to introduce students to concepts that will enable them to understand and analyze economic aggregates and evaluate economic policies. Three hours per week.

ECON 2106 Principles of Microeconomics

Credit: 3 hours

Prerequisite: Area A Math

This principles of economics course is intended to introduce students to concepts that will enable them to understand and analyze structure and performance of the market economy. Three hours per week.

ECON 2106H Honors Principles of Microeconomics

Credit: 3 hours

Prerequisite: Admission to the Honors Program and an Area A Math

This is an honors course in principles of economics intended to introduce students to concepts that will enable them to understand and analyze structure and performance of the market economy. Three hours per week.

ECON 3175 International Economics

Credit: 3 hours

Prerequisite: ECON 2105 and ECON 2106

This is an analysis of fundamental economic principles, institutions, and governmental policies that determine the economic relations between nations under conditions of increasing global interdependence. Three hours per week.

ECON 4505 Special Topics

Credit: 1 - 3 hours

Prerequisite: Approval of Division Chair

This is a customized course under the direction of a faculty sponsor that meets special needs of students and/or the community. It is designed to offer students an opportunity to study at a level or on topics not covered in regularly scheduled courses. Three hours per week.

EDUCATION

*[DIVISION OF SOCIAL SCIENCES]***EDUC 2000 Introduction to Education in a Diverse Society**

Credit: 3 hours

Students will be introduced to teaching and learning strategies appropriate in a diverse society. The course will familiarize students with the role of the professional educator, including ethical and effective practice. One focus will be on how teachers can accommodate students' diverse cognitive styles, including learning styles and multiple intelligences. Various communication styles will be examined, with special emphasis on the role of gender, race, language, class, sexual orientation, and religion. Presentation and research skills necessary to a career in education will be developed, especially those skills based upon information technology. Students will be required to work in a volunteer or paid position with children for at least 15 hours during the semester. Three hours per week.

EDUC 2210 The Exceptional Child

Credit: 3 hours

This course surveys the field of the education of exceptional children. Topics include the legal foundation for special education; the referral and placement process; collaboration with families, community, and professionals; characteristics of students with behavior and learning problems; characteristics of students with sensory, communication, physical, and health impairments; instructional methods for students with mild disabilities; students with moderate and severe mental retardation; students who are talented and gifted; behavior management of students; and adapting environments using technology. Students will be required to work in a volunteer or paid

position with exceptional children for at least 15 hours during the semester. Three hours per week.

EDUC 2403 Foundations of Education

Credit: 3 hours

The course is designed to help students develop an understanding of education in America. Both historical and contemporary issues in American education will be discussed and explored. These issues will include philosophies of education, the teaching profession and unionization, local control of schools, power at state and national levels, the effects of social structure on American education, equality of educational opportunity, multi-cultural education, curriculum issues, and the courts and the schools. Students will be required to work in a volunteer or paid position with children for at least 20 hours during the semester. Three hours per week.

ENGINEERING

[*DIVISION OF NATURAL SCIENCES AND MATHEMATICS*]

ENGR 1110 Introduction to Engineering

Credit: 3 hours

Corequisite: ENGR 1110L

This is a survey of the fields of engineering, the functions of an engineer, and the design process. Student teams will be required to complete a design project and build a prototype during the semester. Two hours lecture and two hours **laboratory** per week.

ENGR 1120 Introduction to Visual Communication and Engineering Design

Credit: 2 hours

The course covers theory and application of the design process using conventional drafting as well as CAD techniques. Assigned design project and report. Elements and projection theory that enhance ability to communicate graphically. Two hours per week.

ENGR 2025 Introduction to Signal Processing

Credit: 4 hours

Corequisite: MATH 1251 and CPSC 1301

This course is an introduction to signal processing for discrete-time and continuous-time signals. Filtering Frequency response. Fourier Transform, and Z Transform will be discussed. Laboratory emphasis on computer-based signal processing. Three hours lecture three hours **laboratory** per week.

ENGR 2040 Circuit Analysis

Credit: 3 hours

Prerequisite: MATH 2252

This course is an introduction to basic concepts of circuit elements, circuit models, and techniques for circuit analysis. Time domain analysis, ac circuits, and two-part networks will be discussed. Three hours per week.

ENGR 2210 Statics

Credit: 3 hours

Prerequisite: PHYS 1111 or PHYS 2211

The course covers the elements of statics in two and three dimensions,

centroids, analysis of structures and machines, and friction. Three hours per week.

ENGR 2220 Dynamics

Credit: 3 hours

Prerequisite: ENGR 2210 and MATH 2252

The course covers kinematics and kinetics of rigid bodies in plane motion. Three hours per week.

ENGR 2230 Mechanics of Deformable Bodies

Credit: 3 hours

Prerequisite: ENGR 2210

The course covers the definition of stress and strain, application to axially loaded members, torsion, bending of beams, introduction to simple plasticity, and an introduction to column stability. Three hours per week.

ENGR 2500 Thermodynamics

Credit: 3 hours

Prerequisite: MATH 2252

The course covers the fundamentals of engineering thermodynamics, thermodynamic properties and matter, first and second laws of thermodynamics, and applications to engineering. Three hours per week.

ENGLISH

[DIVISION OF LEARNING SUPPORT]

ENGL 0098 Fundamentals of English for International Students

Credit: 4 hours

Especially designed to improve English usage and writing skills of students whose native language is not English. Topics covered will include English sentence structure, grammar, usage, punctuation, and mechanics as well as their application in writing effective paragraphs and essays. Satisfactory completion of this course fulfills the English requirement for Learning Support for international students. Four hours per week.

ENGL 0099 Fundamentals of English

Credit: 4 hours

This is a course in basic grammar, punctuation, usage, mechanics and their application in writing effective paragraphs and essays. Designed for students who are placed by entrance test scores or who wish to prepare for English 1101. Satisfactory completion of this course fulfills the English requirement for Learning Support. Four hours per week.

ENGLISH

[DIVISION OF HUMANITIES]

ENGL 1101 English Composition I

Credit: 3 hours

This is a composition course focusing on skills required for effective writing in a variety of contexts, with emphasis on exposition, analysis, and argumenta-

tion, and also including introductory use of a variety of research skills. Three hours per week.

ENGL 1102 English Composition II

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1101

This is a composition course that develops writing skills beyond the level of proficiency required by ENGL 1101, that emphasizes interpretation and evaluation based on an introduction to fiction, drama, and poetry, and that incorporates a variety of more advanced research methods. An oral communication component may also be required. Three hours per week.

ENGL 1102H Honors English Composition II

Credit: 3 hours

Prerequisite: At least a "B" in ENGL 1101 and admission to the Honors Program

This is an honors composition course that develops writing skills beyond the level of proficiency required by ENGL 1101, that emphasizes interpretation and evaluation based on an introduction to fiction, drama, and poetry, and that incorporates a variety of more advanced research methods. An oral communication component may also be required. This course is for the superior student, and admission is by invitation of the English faculty to selected students who have been admitted to the Honors Program. Three hours per week.

ENGL 2105 Introduction to Creative Writing

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102

This is an introduction to the problems and processes of writing poetry, short fiction, and/or drama. Each student will write 20 pages of fiction or drama, five poems, and a review of a recent work of fiction, poetry, or drama. Class emphasis will be on individual manuscripts in the workshop setting. Students will also develop oral communication skills as they learn to critique their classmates' work. Student writers will keep a critical journal of peer responses, and each student will meet with the instructor to discuss individual progress. The final grade will be based on a portfolio of final drafts. One hour lecture and two hours **laboratory** per week.

ENGL 2111 World Literature I

Credit: 3 hours

Prerequisite: ENGL 1102

This is a survey of important works of world literature from ancient times through the mid--seventeenth century with particular emphasis on Western literature. Three hours per week.

ENGL 2112 World Literature II

Credit: 3 hours

Prerequisite: ENGL 1102

This is a survey of important works of world literature from the mid--seventeenth century to the present. Three hours per week.

ENGL 2121 British Literature I

Credit: 3 hours

Prerequisite: ENGL 1102

This is a survey of important works of British literature from the Old English period through the neoclassical age. Three hours per week.

ENGL 2122 British Literature II

Credit: 3 hours

Prerequisite: ENGL 1102

This is a survey of important works of British literature from the Romantic era to the present. Three hours per week.

ENGL 2131 American Literature I

Credit: 3 hours

Prerequisite: ENGL 1102

This is a study of American literature from the pre--colonial age to the late nineteenth century. Three hours per week.

ENGL 2131H Honors American Literature I

Credit: 3 hours

Prerequisite: ENGL 1102 and admission to the Honors Program

This is a study of American literature from the pre--colonial age to the mid-nineteenth century. Special emphasis will be placed on the hemispheric context of American literature. Required is an end-of-semester research project focusing on a particular work of American literature and its relationship to the wider historical and cultural moment. This course is for the superior student, and admission is by invitation of the English faculty to selected students who have been admitted to the Honors Program. Three hours per week.

ENGL 2132 American Literature II

Credit: 3 hours

Prerequisite: ENGL 1102

This is a study of American literature from the mid--nineteenth century to the present. Three hours per week.

ENGL 2132H Honors American Literature II

Credit: 3 hours

Prerequisite: ENGL 1102 and admission to the Honors Program

This is a study of American literature from the mid-nineteenth century to the present. Special emphasis will be placed on understanding the historical and cultural context behind the texts examined. Required is an end-of-semester research project focusing on a particular work of American literature and its relationship to the wider historical moment; the resulting document from the project will be published in the form of a resource manual for future students' use in American Literature II, and additionally, the document will be published online, linked to the Honors Program website. This course is for the superior student, and admission is by invitation of the English faculty to selected students who have been admitted to the Honors Program. Three hours per week.

ENGL 2141 African American Literature I

Credit: 3 hours

Prerequisite: ENGL 1102

The course is designed to introduce students to various forms of literature from the Black Experience. The course will survey ideas and themes in writings, music, and film from the 1700s to the 1920s. Three hours per week.

ENGL 2142 African American Literature II

Credit: 3 hours

Prerequisite: ENGL 1102

This is a survey of important African American literature from 1920 to the present. Three hours per week.

ENGL 3106 Professional Communication

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102; at least a "C" in BUSA 2201

The course emphasizes the importance of effective communication in the workplace. Students will learn and demonstrate skills through written and oral exercises, assignments, and projects, such as letters, memos, and reports. Three hours per week.

ENGL 3107 Technical Writing

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102

This course will cover writing manuals for technical/scientific fields, writing for the Web, and writing that incorporates charts, tables, pictures, exploded diagrams, and other illustrations appropriate for this kind of writing. This course will additionally cover writing for Power Point applications. Three hours per week.

ENGL 3206 Gender Studies

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102

This course is a study of literature with gender as the primary category of analysis. Viewing gender as a social construct, the course will examine texts which explore such issues as gender roles in society, the interaction between private and personal life, and self-definition in a culture with gendered expectations. Three hours per week.

ENGL 3999 Special Topics

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102 or ENGL 1102H

This is an intensive study of a significant topic in language and literature not otherwise covered in course offerings. Three hours per week.

ENGL 4450 Visual Rhetoric: Principles of Production

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102

This course explores the historical and theoretical background of visual communication, focusing on the development of digital and experimental rhetoric. Students work on a number of short projects throughout the semester

that engage the theoretical problems and technological challenges involved in digital production. Students develop three to five minute final videos that reflect the theoretical and aesthetic issues that the course explores. Three hours per week.

ENGL 4451 Advanced Video Production: Broadcast Forms

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 4450

This course introduces students to the conventions and forms of fictional and documentary video. Students will explore these forms by producing short video projects that apply the rhetorical and technical skills they developed in ENGL 4450. Students will oversee each project from pre-production through to a finished product. At the end of the course, students will have developed a professional portfolio of their work.

ENGL 4480 History of Print

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102

The course traces writing from its very beginnings, looking at such issues as memory, literacy, scribes, the Gutenberg Bible and moveable type, public and private libraries, reading and privacy, reading as self-loss and self-improvement, subscriptions and periodicals, newspapers and political power, broadsheets and book publishing. Three hours per week.

ENGL 4481 Survey of Film: Writing and Interpretation

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102

This is a survey of film from the early silent era to the "talkies." The course covers theories of film, major directors, the studio era, the star era. The course will examine many of the major genres, such as the Western, science fiction, the romance, police and crime drama, foreign film, and social realism. Students will write research papers which explore themes/influences among films/directors in one of the above genres. Students will also write two short analytical papers describing the relationships between a particular film/actor and the period in history. Three hours per week.

ENGL 4482 Popular Culture

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102

This course will cover a range of "texts" from American mass culture including popular fiction, advertising, television, popular music, popular magazines, and cyberculture. The course will emphasize methods of analyzing these texts and examine questions they raise about the nature of popular culture in America. The course will explore what these products of mass culture have in common, what distinguishes them from other cultural artifacts (such as those of high culture and folk culture), and the political and social implications of those differences.

ENGL 4483 Senior Project

Credit: 3 hours

Prerequisite: ENGL 4480, ENGL 4481, and ENGL 4482

This is a capstone course for students in the New Media track of the CIT program. Students will undertake a project that serves as a bridge between the Humanities curriculum and the Information Technology coursework. Students will plan, propose, and develop an individual project that uses applied technology (e.g. multimedia) to create a highly interesting, hands-on, interactive exploration of a set of ideas the student has developed. As with all other CIT courses, this class will be writing intensive, requiring a formal proposal, a weekly journal of the students' thinking and research, and a final report (15-20 pages) that synthesizes and explores. Students must demonstrate the project to a small audience, making a formal oral presentation. Three hours lecture per week. This course is normally offered only in the spring.

ENGL 4483H Honors Senior Project

Credit: 3 hours

Prerequisite: ENGL 4480, ENGL 4481, and ENGL 4482; and admission to the Honors Program

This is a capstone course for students in the New Media Track of the CIT program. Students will undertake a project that serves as a bridge between the Humanities curriculum and the Information Technology coursework. Students will plan, propose, and develop an individual project that uses applied technology (e.g. multimedia) to create a highly interesting, hands-on, interactive exploration of a set of ideas the student has developed. As with all other CIT courses, this class will be writing intensive, requiring a formal proposal, a weekly journal of the students' thinking and research, and a final report (15-20 pages) that synthesizes and explores. Students must demonstrate the project to a small audience, making a formal oral presentation. The Honors Senior Project is for the superior student, and admission to this course is by invitation of the English faculty to selected students who have been admitted to the Honors Program. Students are expected to demonstrate advanced, superior skills in research, writing, oral presentation, and creation of the technological component. Three hours per week. This course is offered only in the spring.

ENGL 4620 Non-Western Literature

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102

The course is an examination of various non-Western literature, including South American, African, Oriental, Middle Eastern, and subcontinental India. The aim is to explore global cultures through their respective literatures. Three hours lecture per week.

FINANCE

[DIVISION OF BUSINESS AND ECONOMICS]

FINC 3131 Business Finance

Credit: 3 hours

Prerequisite: ACCT 2102, ECON 2105, and ECON 2106

This is an introductory course in finance, an understanding of basic financial concepts and techniques, and an ability to apply them in arriving at

management decisions within the context of specific business situations. Three hours lecture per week.

FRENCH

[*DIVISION OF HUMANITIES*]

FREN 1001* Elementary French I

Credit: 3 hours

Corequisite: FREN 1001L

This is an introduction to listening, speaking, reading, and writing in French and to the culture of French-speaking regions. French 1001 is appropriate for students with no background in a foreign language or for students whose high school foreign language requirement was met through a two-year sequence of a different language. Students should register as auditors if they wish to review the material. (This course carries only institutional credit if the same language was used for their college preparatory curriculum.) Basic pronunciation, conversation, and structure are emphasized. Three hours lecture and two hours **laboratory** per week.

FREN 1002 Elementary French II

Credit: 3 hours

Prerequisite: At least a "C" in FREN 1001

Corequisite: FREN 1002L

The course covers continued listening, speaking, reading, and writing in French with further study of the culture of French-speaking regions. Basic pronunciation, conversation, and structure are stressed. This course is a continuation of French 1001 or is appropriate for students who have two years of high school French (with at least a "B" average) or the equivalent. Three hours lecture and two hours **laboratory** per week.

FREN 2001 Intermediate French I: Language, Culture and Literature

Credit: 3 hours

Prerequisite: At least a "C" in FREN 1002

Corequisite: FREN 2001L

This course reviews and continues the study of the four language skills: listening, speaking, reading, and writing. Students also study, in French, cultures where the language is spoken. Students complete an intensive review of French grammar. Students move beyond controlled composition exercises to more advanced exercises in writing. Discussion will be conducted in French with an introduction to the skill of translation for literary works. This level is appropriate for students who have had three years of high school French (with at least a "B" average); students are encouraged to take a test for placement at this level. Three hours lecture and two hours **laboratory** per week.

FREN 2002 Intermediate French II: Language, Culture and Literature

Credit: 3 hours

Prerequisite: At least a "C" in FREN 2001

***Many system institutions will not accept the first elementary course in a foreign language to meet degree requirements.**

Corequisite: FREN 2002L

Students complete an intensive review of French grammar while continuing their study of the four language skill areas (listening, speaking, reading, and writing) and expanding their study of French cultures. Extensive readings include contemporary materials and literary selections as well as the expanded use of techniques of translation and literary analysis. Discussions will be conducted in French. Students move beyond controlled composition exercises to more advanced exercises in writing. This level is appropriate for students with a strong background (three or four years in high school with at least a "B" average) or native speakers with limited formal education or experience in the language. Three hours lecture and two hours **laboratory** per week.

FREN 2999 Special Topics Study Abroad

Credit: 3-6 hours

Prerequisite: French 1002 or equivalent or permission of instructor

This course covers French study abroad on significant topics of cultural interest not otherwise covered in course offerings at Macon State College. The content of this course will change each time it is offered. Therefore, it may be repeated for credit for up to 6 hours total.

FREN 3001 Grammar and Composition

Credit: 3 hours

Prerequisite: At least a "C" in FREN 2002 or permission of instructor

This course provides a general review of basic grammar and covers certain topics in more depth, such as uses of the subjunctive and a contrastive, comparative analysis of the syntax of English and French. Students will study and compose documents (such as letters, memos, summaries, etc.) which will be applicable to their work environment. Two hours class and one hour of supervised work per week.

FREN 3002 Language and Francophone Culture

Credit: 3 hours

Prerequisite: At least a "C" in FREN 3001 or permission of the instructor

This course provides experience in reading, understanding, and eventually analyzing communication patterns and paralinguistic aspects of spoken French. In addition, students learn about everyday life in countries where French is spoken. Cultural readings include information about the culture and examples of the language as it is used within the cultural context. Videos and multimedia materials, including resources found on the internet and through e-mail and listserv opportunities, are used in class and in lab settings. Three hours per week.

FREN 3003 Conversation I

Credit: 3 hours

Prerequisite: At least a "C" in FREN 3001 or permission of instructor

This course provides a forum for the discussion of topics chosen by the class. Readings, videos, interviews with native speakers, and oral in-class presentations are used to determine the topics for discussion and, where appropriate, role-play. Three hours per week.

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FREN 3999 Special Topics Study Abroad

Credit: 3-6 hours

Prerequisite: French 2001 or equivalent or permission of instructor

This course covers advanced French study abroad on significant topics of cultural interest not otherwise covered in course offerings at Macon State College. The content of this course will change each time it is offered. Therefore, it may be repeated for credit for up to 6 hours total.

FIRST YEAR-STUDENT SEMINAR

[*DIVISION OF LEARNING SUPPORT*]

FYSS 1100 First-Year Student Seminar

Credit: 2 hours

The course is designed to promote the progress of first-year students as they become life-long learners. The general themes of the course will include techniques for achieving academic competence, setting academic and career goals, establishing and maintaining a healthy lifestyle, and staying motivated to learn. Two hours per week. Does not satisfy degree requirements.

HEALTH INFORMATION MANAGEMENT

[*DIVISION OF NURSING AND HEALTH SCIENCES*]

HIMA 3200 External Forces

Credit: 3 hours

This course provides an overview of some of the major external forces affecting the Health Information Management profession. The focus will be placed on Joint Commission on Accreditation of Healthcare Organization, the Health Insurance Portability and Accessibility Act of 1996, billing and reimbursement. Three hours per week.

HIMA 4000 Health Information Management Methods

Credit: 3 hours

This is a study and application of the methods used to analyze and improve the management of health information; project management, total quality management, productivity standards, decision making, selection and utilization of physical resources, and ergonomic design of an office work space. Three hours per week.

HIMA 4070 Management of Health Information

Credit: 3 hours

Prerequisite: Declared major in Health Information Management

Prerequisite or Corequisite: HLSA 3320

This is the study of management issues critical to health information management. These issues include reimbursement systems, biomedical support, managing health information functions, etc. Other topics are intrapreneurial and entrepreneurial skills, employee training, consulting, conducting meetings, and marketing. Three hours per week.

HIMA 4090 Financial Administration

Credit: 2 hours

Prerequisite: HIMA 3320

Corequisite: HIMA 4090L

Restriction: Must be enrolled in Health Information Management (accepted)
This course introduces Health Information Management students to financial tools required to manage department or project. These tools include accounting, cost accounting, cost benefit analysis, budgeting, financial reports, financial management, capitation, and cost containment techniques. One hour lecture and two hours **laboratory** per week.

HIMA 4100 Fundamentals of Health Information Systems

Credit: 3 hours

Prerequisite: Declared major in Health Information Management

This is an introduction to the management of information systems in a health care enterprise. Topics include clinical information systems, networks, financial information systems, data security, decision support, managed care systems, impact of information systems on the organization, information resource management, systems design and selection, and contingency planning. Examines the importance of information systems in providing information to administration, clinicians, and other users. Three hours per week.

HIMA 4110 Applications of Health Care Information Systems

Credit: 3 hours

Prerequisite: HIMA 4100

This course builds upon the skills learned in HIMA 4100 through the use of discussion, exercises, and case studies. Topics include data modeling, contract negotiation, human factors, user interface design, and systems life cycle.

HIMA 4750 Professional Management Experience

Credit: 5 hours

Prerequisite: Successful completion of all HIM baccalaureate degree requirements or permission of program director

During this five-week supervised professional management experience, students will perform management-level activities at an approved health care facility. The management activities are designed to prepare the student for entry-level management roles in health information management settings.

HIMA 4900 Seminar

Credit: 2 hours

Prerequisite: Permission of the instructor

This is a discussion of the most recent issues and trends in the health care field which impact health information management practice; case studies, the professional rights and responsibilities of a health information management professional; job seeking strategies; and comprehensive exams. Two hours per week.

HEALTH INFORMATION TECHNOLOGY
[DIVISION OF NURSING AND HEALTH SCIENCES]

HIMT 2000 Medical Terminology

Credit: 2 hours

This is an introductory to medical terminology, including root words, prefixes, suffixes, and combining forms. Includes the proper pronunciation and use of medical terms in medical reports as well as a study of the use and spelling of 100 drugs. Two hours per week

HIMT 2020 Health Care Delivery Systems

Credit: 2 hours

This is an introductory overview of the components of the health care delivery system: the organizations that provide health care, the regulations and standards that apply to the health care organizations, the reimbursement methods used, and the professionals who provide the services. Examination of the organizational components of health care facilities: the governing board, the administration, and the professional/medical staff. Two hours per week.

HIMT 2100 Health Data Concepts

Credit: 3 hours

This is a study of the origin, content, and format of health care data across the continuum of health care including both paper and computer-based systems; accreditation, certification, and licensure standards applicable to health care data and methods of assuring the standards are met; forms and screen design and control. Three hours per week.

HIMT 2110 Health Data Management

Credit: 2 hours

Prerequisite: Declared major in Health Information Technology or Health Information Management

This is a study of methods to access and retrieve health data and patient records. These methods include numbering, filing, and indexing systems; record retention policies and procedures; organization, requirements, and contents of disease registries; data abstracting and retrieval techniques. One hour lecture and two hours **laboratory** per week.

HIMT 2120 Health Care Statistics

Credit: 1 hours

Prerequisite: Declared major in Health Information Technology or Health Information Management

This is a study of the methods/formulas used in computing and preparing statistical reports for health care services and vital records. Study of methods and techniques used in presenting statistical data. One hour per week.

HIMT 2130 Legal Concepts in Health Care

Credit: 3 hours

Prerequisite: HIMT 2100

This is a study of legal principles related to patient care and patient records;

confidentiality, release of confidential information, subpoenas for patient information, security of patient records; legal terminology and procedures, court systems; liability of health care providers, informed consent for treatment, and patient rights. Three hours per week.

HIMT 2140 Performance Improvement

Credit: 2 hours

This is an investigation of peer review in health care, the components of quality assessment and improvement programs in health care facilities, including quality assessment, utilization management, and risk management, and the peer review organizations. Two hours per week.

HIMT 2220 Fundamentals of Medical Science

Credit: 3 hours

Prerequisite: At least a "C" in BIOL 1114K and 1124K

Prerequisite or Corequisite: HIMT 2000

This is a study of disease processes with emphasis on diagnosis and treatment, including symptoms, tests, and current therapies. Case studies included in classroom activities. Three hours per week.

HIMT 2330 Coding I

Credit: 3 hours

Prerequisite: At least a "C" in BIOL 1114K and BIOL 1124K, and declared major in Health Information Technology or Health Information Management

Prerequisite or Corequisite: HIMT 2000 and HIMT 2100

This is an introduction to and application of professional standards in the assignment of codes to diagnoses and procedures using the International Classification of Diseases—9th Revision—Clinical Modification (ICD—9—CM). Coding rules will be applied to case studies. DRGs will be assigned using a grouper. Two hours lecture and two hours **laboratory** per week.

HIMT 2340 Coding II

Credit: 3 hours

Prerequisite: At least a "C" in HIMT 2330, BIOL 1114K and BIOL 1124K

Corequisite: HIMT 2340L

Restriction: Must be enrolled in Health Information Technology (accepted)

This is an introduction to and application of codes using CPT/HCPCS system. Codes will be applied to workbook exercises and to case studies. Codes will be assigned by encoder as well as manually. Two hours lecture and two hours **laboratory** per week.

HIMT 2350 Coding III

Credit: 3 hours

Prerequisite: HIMT 2330 and HIMT 2340

Corequisite: HIMT 2350L

Restriction: Must be enrolled in Health Information Technology (accepted)

This is an advanced coding class. Students will go to a Health Information Management Department to use live medical records to apply coding principles learned in Coding I and Coding II. Charts will be coded based on the for reimbursement and research needs of the facility. Three hours per week.

HIMT 2360 Advanced Coding

Credit: 2 hours

Prerequisites: At least a "C" in HIMT 2330 and HIMT 2340

Students will build on their basic coding knowledge in both ICD-9-CM and CPT coding systems. Students will apply coding guidelines by coding case studies and mock medical records. Two hours per week.

HIMT 2500 Computers in Healthcare

Credit: 2 hours

The impact of computers on healthcare and the Health Information Management Department will be discussed. Emphasis will be placed on use of computers in the HIM Department, confidentiality and security of patient information. Two hours per week.

HIMT 2600 Billing and Reimbursement

Credit: 2 hours

This is an introduction to commonly used healthcare reimbursement systems and of medical billing practices. Reimbursement systems include, but are not limited to: Diagnostic Related Groups, Ambulatory Payment Classifications and Resource Utilization Groups. Focus will be placed on how the reimbursement systems and billing impact Health Information Management. Two hours per week.

HIMT 2620 Supervision and Management

Credit: 4 hours

This is a study of the principles of authority and responsibility, delegation and communication; organization charts, job descriptions, policies and procedures; employee motivation, discipline, employment law, and performance evaluation. Four hours per week.

HIMT 2750 Professional Practice Experience I

Credit: 2 hours

Prerequisite or Corequisite: HIMT 2100, HIMT 2110, HIMT 2330

This is a supervised internship in acute care settings. Activities to include application of health information management procedures learned in the classroom and lab. Six hours clinical per week.

HIMT 2800 HIT Seminar

Credit: 1 hour

Prerequisite: Permission of instructor

This is a discussion of the most recent trends in the health information field. The course also prepares the HIT student to critically apply his or her knowledge in health information. Case studies, a comprehensive project, and a mock national exam will be used. One hour lecture per week.

HIMT 2850 Professional Practice Experience II

Credit: 2 hours

Prerequisite: HIMT 2750

This course involves additional supervised activities in alternate health care settings, to include internship in a physician's office, home health agency, and rehabilitation hospital. Six hours clinical per week.

HIMT 2900 Special Projects

Credit: 1 hour

Students will learn the latest payment system(s). Emphasis will be on specific benefit plans and applicable computer applications. Customer focus and philosophy will also be discussed.

HEALTH SERVICES ADMINISTRATION

[*DIVISION OF NURSING AND HEALTH SCIENCES*]

HLSA 3000 Research Methods for Health Sciences

Credit: 3 hours

Prerequisite: MATH 1200

This course provides an introduction to research principles and methods involved in planning, designing, analyzing, interpreting, and communicating research. Emphasis is placed on research designs and outcomes that will enable students to become critical consumers of professional health care literature.

HLSA 3310 American Health Care System

Credit: 3 hours

This course examines the health care delivery system of the United States from a systems perspective in terms of historical and current development. The course includes the political, cultural, philosophical, and social factors which have influenced the evolution of the health care delivery system. Three hours per week.

HLSA 3315 Holistic Health Care Services

Credit: 3 hours

Restriction: Must be enrolled in Health Services Administration

This is an introduction to comprehensive and total care of an individual. In the holistic approach to health care, needs are explored in all areas of functioning such as physical, emotional, social, spiritual, and economic. Topics will include strategies and treatment in the prevention of disease and the attainment and maintenance of wellness. Three hours per week.

HLSA 3320 Health Care Management

Credit: 3 hours

This course presents the foundation of management principles and processes and their changing role in health care organizations. The major management functions of decision making, planning, organizing, staffing, leading, and controlling will be explored. Three hours per week.

HLSA 3340 Public Administration and Health Care

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

This course presents a study of government bureaucracies and their relationship to the American health care system. Three hours per week.

HLSA 3345 Government, Politics, and American Health Care

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

This is a survey of the principle governmental and political factors affecting American health care. Students who have not met the stated prerequisite(s) may get the permission of instructor to enroll in course. Three hours per week.

HLSA 3350 Public Health and Epidemiology

Credit: 3 hours

Restriction: Must be enrolled in Health Services Administration

This is an introduction to the essentials of public health and epidemiology which includes the study of contemporary health issues critical to the operation of infection control in the acute care hospital and ambulatory care centers. Three hours per week.

HLSA 3360 Quality Management and Improvement

Credit: 3 hours

Prerequisite: HLSA 3310 and 3320

Restriction: Must be enrolled in Health Services Administration

This is an introduction to the management of quality in health care services, including the types and forms of measuring quality. The focus will be on outcome-based assessment. Discussion will include the requirements of various regulatory organizations which assess and monitor quality in health care settings. Three hours per week.

HLSA 3370 Women's Issues in Health Care

Credit: 3 hours

This is a survey of women's specific health issues and medical care, promotion of health and prevention of illness, and a study of the tools needed by today's healthcare administrators for creation of diverse and inventive leadership strategies. Three hours per week.

HLSA 4000 Special Topics in Health Care

Credit: 1-6 hours

Prerequisites: HSLA 3310 and HLSA 3320, or permission of the instructor
Courses are designed to focus on topics that are not otherwise offered but for which there is a current need. Students are expected to do a project in the area of Health Care and will review appropriate related professional journal articles. This course may be repeated.

HLSA 4100 Human Resource Management in Health Care

Credit: 3 hours

Prerequisite: HLSA 3320

This is an introduction to the management of human resources, including, recruiting, retention, training, counseling, termination, outsourcing, human resource legislation, etc. Issues related specifically to healthcare, including Joint Commission on Accreditation of Healthcare Organizations standards, medical staff credentialing, certification, etc. Three hours per week.

HLSA 4200 Independent Study

Credit: 3 hours

Prerequisite: HLSA 3310 and HLSA 3320

This course is individually designed under the direction of faculty to allow students opportunities to explore a specific area of interest. This course may be repeated.

HLSA 4400 Rural Health Care Services

Credit: 3 hours

Prerequisite: HLSA 3310 and HLSA 3320

This is an examination of the delivery and management of health care services in rural areas. The availability of services is directly impacted by the demographic, economic, and social conditions which exist within the rural environment. Three hours per week.

HLSA 4410 Health Law and Ethics

Credit: 3 hours

Prerequisite: HLSA 3310 and HLSA 3320

This is an examination of the legal and ethical aspects of health care administration. Includes discussion of case studies illustrative of the current legal and political environment in the health care industry. Three hours per week.

HLSA 4420 Long-term Care Administration

Credit: 3 hours

Prerequisite: HLSA 3310 and HLSA 3320

Restriction: Must be enrolled in Health Services Administration

This course provides a foundation for understanding nursing home administration, the environment in which nursing homes operate, and the management processes which produce positive outcomes in the long-term care setting. Three hours per week.

HLSA 4425 Ambulatory Care Services

Credit: 3 hours

Prerequisite: HLSA 3310 and HLSA 3320

Restriction: Must be enrolled in Health Services Administration

This course examines the management of various ambulatory health care settings, including subacute care, physicians' offices, community health centers, medical group practices, rehabilitation centers, and behavioral health centers/clinics. Exploration of legal and financial issues, clinical trends, and support services and their coordination will be emphasized. Three hours per week.

HLSA 4430 Health Care Economics

Credit: 3 hours

Prerequisite: HLSA 3310 and HLSA 3320

This is an examination of the trends, financing, and principles of health economics. Includes an overview of both microeconomics and macroeconomics. Three hours per week.

HLSA 4435 Managed Care

Credit: 3 hours

Prerequisite: HLSA 4430

Restriction: Must be enrolled in Health Services Administration

This is a study of the essentials of managed health care, including the various structures of managed care and the dynamic political and economic forces driving this approach to the financing and delivery of health care services. Three hours per week.

HLSA 4450 Applied Learning Experience

Credit: 3 hours

Prerequisite: HLSA 3310, HLSA 3320, and HLSA 4480

Restriction: Must be enrolled in Health Services Administration

Students without a background in health care may elect to complete a health services administration externship in a health care setting as part of the requirements for completion of the degree. The experiences will be individually designed by program faculty. Time per week in a health care facility will be based on a ratio of 1 credit hour to 3 hours per week.

HLSA 4451 Applied Learning Experience II

Credit: 3 6 hours

Prerequisite: HLSA 3310, HLSA 3320, HLSA 4480, and HLSA 4450

Restriction: Must be enrolled in Health Services Administration

This is a second course in a two course sequence of externship experience. Students without a background in health care may elect to complete a second health services administration externship in a health care setting as part of the elective requirements for completion of the degree. The experiences will be individually designed by program faculty. Time per week in health care facility will be based on a ratio of 1 credit hour to 3 hours per week. This course may be repeated one time.

HLSA 4463 Case Management Concepts and Services

Credit: 3 hours

Prerequisite: HLSA 3330 and HLSA 4435

Restriction: Must be enrolled in Health Services Administration

The philosophy and principles of case management, including identifying treatment modalities, establishing goals and treatment plans through assessment of clinical information, establishing referral sources, and becoming a patient/client advocate. Three hours per week.

HLSA 4475 Regulatory Aspects of Long Term Care

Credit: 3 hours

Prerequisite: HLSA 3310, HLSA 3320, HLSA 4420

The structure, function, and role of accreditation agencies for long term care institutions are examined. Emphasis is placed on the examination of the accreditation process and mechanisms that allow it to be in compliance with accreditation standards and guidelines. Federal, state, and local legislation regulations, and their relationship to accreditation and approval are addressed. Three hours per week.

HLSA 4480 Health Care Financial Management

Credit: 3 hours

Prerequisite: HLSA 3360, ACCT 2101, and ACCT 2102

This is an introduction to accounting terminology and procedures, financial statements, the budgeting process, and financial decision making in health care organizations. Emphasis will be placed on the use of financial information in administrative decision making. Three hours per week.

HLSA 4490 Integrative Issues in Health Care Administration

Credit: 3 hours

Restriction: Must be enrolled in Health Services Administration

This capstone course serves to integrate the issues dealing with the most current health care system changes. Factors impacting upon the system such as economic trends, legal/ethical issues, employment trends, new technological developments, and population demographics will be explored and discussed, including the implications of these factors for the management of various types of health care organizations. This should be the student's final course.

HEALTH

[DIVISION OF NURSING AND HEALTH SCIENCES]

HLTH 1000 Health

Credit: 2 hours

This is a study of the scientific information in the area of health as it applies to healthful living. Two hours per week.

HEALTH SCIENCE

[DIVISION OF NURSING AND HEALTH SCIENCES]

HS 1000 Perspectives on Health Care

Credit: 3 hours

Corequisite: MSCC 1000

Perspectives on Health Care reviews critical dimensions of America's health and health behaviors. Students will utilize available technologies, research a related health care issue both on the Internet and in the library, prepare a paper using a word processor, and provide an oral presentation about the health care issue they research. This class is a three credit hour class consisting of lectures, guest speakers, field trips, and/or group activity each week.

HS 1001 Perspectives on Ethics in Health Care

Credit: 3 hours

Corequisite: MSCC 1000

Perspectives on Ethics in Health Care reviews the ethics of decision making within America's health care system. Students will gain skills for dealing with facts, concepts, basic principles, and ambiguity. They will utilize available technologies, research a health care related issue both on the internet and in the library, prepare a paper using a word processor, and provide an oral presentation about the ethics of the health care issue they researched.

This is a three credit hour course consisting of lectures, guest speakers, field trips, and/or group activities each week.

HS 1002 Perspectives on Death and Dying

Credit: 3 hours

Corequisite: MSCC 1000

Loss, death, and the process of dying will be examined from physiological, psychological, sociocultural, and ethical/legal perspectives. The idea of death across the lifespan will be approached from viewpoints of the individual, family, significant others, and health care providers. The concepts of "death with dignity" will be explored. Using available technology, students will research a related topic on the Internet and prepare a paper using word processing. Three hours per week.

HS 1003 Perspectives on Wellness

Credit: 3 hours

Corequisite: MSCC 1000

Based on the most current, accurate health information available, this course focuses on the basic components of wellness and physical fitness in an individualized manner. Students learn to make decisions concerning personal health behaviors by developing and regularly updating a personal plan for physical fitness and wellness. The concepts of exercise, nutrition, illness prevention, and various other dimensions of well being will be explored. Students will use computer software to develop a personalized nutrient analysis. Through group process, students will prepare and present orally to the class various concepts of wellness and fitness. Using available technology, students will research a related topic on the Internet and prepare a paper using word processing. Three hours per week.

HS 1004 Perspectives on Women's Health

Credit: 3 hours

Corequisite: MSCC 1000

This course reviews issues related to women's levels of wellness throughout the lifespan. Maturation of the female from puberty to the older adult will be explored. Issues such as reproductive health, pregnancy, cancer, sexually transmitted diseases, the female heart, and physical disorders will be discussed. Students will put together a journal that will be reflective of their own health status. Also students will utilize library resources and online material to prepare a paper on a women's health topic of interest and develop an oral presentation about the issue researched. Three hours per week.

HISTORY

[*DIVISION OF SOCIAL SCIENCES*]

HIST 1111 History of World Civilizations to 1650

Credit: 3 hours

This is a survey of world history to early modern times. Special emphasis will be placed on the political, intellectual, cultural, and economic aspects of early civilizations in the world environment. Three hours per week.

HIST 1112 History of World Civilizations Since 1650

Credit: 3 hours

This is a survey of world history from early modern times to the present. Special emphasis will be placed on the political, intellectual, cultural, and economic aspects of modern civilizations in the world environment. Three hours per week.

HIST 2111 United States History to 1865

Credit: 3 hours

This is a survey of U.S. history to the post-Civil War period. Special emphasis will be placed on the political, intellectual, cultural, and economic forces that transformed the U.S. during the period. Meets state legislative requirements for United States and Georgia history. Three hours per week.

HIST 2111H Honors United States History to 1865

Credit: 3 hours

Prerequisite: Admission to the Honors Program

This is a survey of U.S. history to the post-Civil War period. For advanced students, this course will place special emphasis on historical interpretation and provide opportunities to do directed research and/or special projects. This course is open only to those students who have been admitted to the Honors Program. Meets state legislative requirement for United States and Georgia history. Three hours per week.

HIST 2112 United States History Since 1865

Credit: 3 hours

This is a survey of U.S. history from the post-Civil War period to the present. Special emphasis will be given to the political, social, cultural, intellectual, and economic forces that transformed the U.S. during the period. Meets state legislative requirements for United States and Georgia history. Three hours per week.

HIST 2112H Honors United States History Since 1865

Credit: 3 hours

Prerequisite: Admission to the Honors Program

This is a survey of U.S. history from the post-Civil War period to the present. For advanced students, this course will place special emphasis on historical interpretation and provide opportunities to do directed research and/or special projects. This course is open only to those students who have been admitted to the Honors Program. Meets state legislative requirements for United States and Georgia history. Three hours per week.

HIST 2280 History of African-Americans in the United States

Credit: 3 hours

This is a survey of the events, issues, forces, and ideas that shaped the African-American experience from colonial times to the present. Special emphasis will be given to the upheavals and transformations in the lives of African-Americans caused by slavery, racism, emancipation, segregation, and the struggle for equality and human rights. Three hours per week.

HUMANITIES

*[DIVISION OF HUMANITIES]***HUMN 1001 Perspectives on Narrative**

Credit: 3 hours

Corequisite: MSCC 1000

The course examines two things: 1) how one employs storytelling for the purpose of self-discovery and self-expression, 2) how a writer composes a story in the literary form called narrative. In addition to composing personal narratives, students study selected literary autobiographies. Three hours per week.

HUMN 1001H Honors Perspectives on Narrative

Credit: 3 hours

Prerequisite: Admission to the Honors Program

Corequisite: MSCC 1000

The course examines two things: 1) how one employs storytelling for the purpose of self-discovery and self-expression, 2) how a writer composes a story in the literary form called narrative? In addition to composing personal narratives, students study selected literary autobiographies. Three hours per week.

HUMN 1002 Perspectives on Society in Film

Credit: 3 hours

Corequisite: MSCC 1000

The course examines various connections between American films and American society and culture. Looking at films from different genres and different eras, the course will emphasize three general connections between film and society: how films record prevailing American values and attitudes, how films sometimes protest and attempt to change values and attitudes, and how some historical films attempt to revise our understanding of historical events and eras. Three hours per week.

HUMN 1003 Perspectives on Humor, Romance, and War

Credit: 3 hours

Corequisite: MSCC 1000

This is an introduction to the relationships between the arts and culture. Through the study of various creative works of literature, print and visual media, theatre, and music, students will examine and respond to various creative cultural expressions that are prompted by war. The artistic works studied will be limited to those dealing with humor and/or romance. Three hours per week.

HUMN 1004 Perspectives on Ethics

Credit: 3 hours

Corequisite: MSCC 1000

This course examines ethical questions as reflected in literature and film from various times and places. Traditional theories of ethics and literacy interpretation will be used for analysis. Three hours per week.

HUMN 2111H Honors Humanities

Credit: 3 hours

Prerequisite: ENGL 1102 or ENGL 1102H and admission to the Honors Program

The honors seminar will focus on the investigation and study of selected issues and themes in the arts and literature. Readings will be connected to the annual study topic of Phi Theta Kappa International Honor Society. This course may be repeated. Three hours per week.

HUMN 2151 Humanities

Credit: 3 hours

Prerequisite: ENGL 1102

The course will explore significant themes and ideas of 20th century culture through the manifestation of these themes and ideas in literature, music, and art. Three hours per week.

HUMN 2152 Science, Poetry, and the Imagination

Credit: 3 hours

Prerequisite: ENGL 1102 and MATH 1111

This is an interdisciplinary course connecting humanities and natural sciences and mathematics. This course examines the use of metaphor and symbol in understanding poetry and the use of model in understanding scientific theory. Three hours per week.

HUMN 2154 Environmental Issues

Credit: 3 hours

Prerequisite: ENGL 1102 or permission of instructor

This is an interdisciplinary course connecting humanities and natural sciences and mathematics. This course is designed to examine fundamental principles of the environment from a scientific, global perspective as well as to consider how understanding of environmental concepts is revealed historically in literature. Three hours per week.

HUMN 2155 Survey of Humanities I

Credit: 3 hours

Prerequisite: ENGL 1102

This is a survey of the development of philosophy, religion, art, architecture, literature, drama, music, and dance in the ancient and medieval worlds and in the early Renaissance. Emphasis on the traditions which have been carried from one age and culture to another. Three hours per week.

HUMN 2156 Survey of Humanities II

Credit: 3 hours

Prerequisite: ENGL 1102

This is a survey of the development of philosophy, religion, art, architecture, literature, drama, music, dance, film, and other media from the Renaissance and the Enlightenment to the contemporary period. Emphasis on the traditions which have been carried from one age and culture to another. Three hours per week.

HUMN 2205 (SSCI 2205) Gender, Social Science, and Art

Credit: 3 hours

Prerequisite: ENGL 1102

This interdisciplinary course examines specific topics concerning gender, art, and society. It explores the portrayal of gender in the artistic works of a selected area of the humanities (art, literature, music, drama, or speech) and in one of the social sciences (anthropology, history, political science, psychology, or sociology). Three hours per week.

HUMN 2999 Special Topics

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102

This is a study of a significant topic in the humanities not otherwise covered in course offerings at Macon State College.

HUMN 3010 Cross Cultural Issues

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102

The purpose of this course is to enable students to analyze and identify culturally determined patterns in society and to understand the role these patterns play in communication. Students will study concepts of culture and everyday cultural patterns. Students will plan, organize, conduct, and summarize studies (using both oral and written formats) of U.S. culture as well as other cultures. Technology and media will be a common thread of this course. Three hours per week.

HUMN 3145 Technology and the Creative Artist

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102

This course will identify major trends in technology and materials and examine how such changes have affected and/or created new kinds of art and new thinking regarding high art and popular art. Three hours per week.

HUMN 3153 (BUSA 3153) Organizations, Work, and Literature

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102

The aim of this course is for students to examine through the windows of literature the individual within the organization and how that individual is shaped as a participant within a particular organization by various cultural and social indices. The approach will be interdisciplinary. The course will examine poems, stories, novels, plays, films, television programs, and essays to explore how literature represents the worlds of work and leadership. Philosophies of capital and labor will be discussed through issues of workplace policy, gender assumptions, organizational values, and family. Three hours per week.

HUMN 3440 Critical Perspectives

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102

This is a study of various critical approaches to texts. Three hours per week.

HUMN 3460 Media Criticism

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102

An introduction to the critical approaches used to analyze and evaluate media (television, radio, film, for example). This course is designed to provide students with a critical framework for doing in-depth analyses of media "texts" in terms of their structure, production, and/or reception. Three hours per week.

HUMN 3501 Applied Linguistics

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102

A course in Applied Linguistics and Second Language Acquisition in a Cross Cultural Context. Emphasis on those elements of morphology, phonology, syntax, and culture that are relevant to the acquisition of languages other than one's native language, as well as problems likely to be encountered in that acquisition. Especially appropriate for those preparing to work in the international arena, those preparing for graduate work in a foreign language, or those preparing for a career in teaching English to speakers of other languages (ESOL). The course will include theories of language acquisition and comparative analysis of language, as well as levels of formality of usage and cultural constraints on discourse and the use of idiomatic expressions.

HUMN 3999 Special Topics

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102

This is an intensive study of a significant topic in the humanities not otherwise covered in course offerings.

HUMN 3999H Honors Special Topics

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102 and admission to the Honors Program

This is an intensive study of a significant topic in the humanities not otherwise covered in course offerings. Required is an end of semester research project that reflects rigorous intellectual engagement with a topic and advanced independent research skills. This course is for the superior student, and admission is by invitation of the English faculty to selected students who have been admitted to the Honors Program. Three hours per week.

HUMN 4340 Introduction to Ethics

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102

This course will examine ethical issues resulting from the use of the Internet and other cyber-technologies. Beginning with a survey of traditional ethical and philosophical concepts, the course will stress the ways the use of technology raises issues of privacy, gender, and ethical norms in commercial enterprises. Three hours per week.

HUMN 4460 Senior Seminar: New Media

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102

This is a survey of new media genres, including e-mail, listservs, bulletin boards, chat rooms, online radio, online journals, newspapers, ebooks, and the transformation of traditional media (as well as print text) by these new forms. Three hours per week.

HUMN 4471 Comparative Cultures

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102

This course compares religion, ethics, art, history, and social mores of different cultures in order to understand models of cultural identity. Choice of cultures for study will vary. Three hours per week.

HUMN 4472 Studies in Culture

Credit: 3 hours

Prerequisite: At least a "C" in ENGL 1102

This course will examine ways in which cultural values and attitudes are shaped, both from an historical and a comparative perspective. Choice of cultures for study will vary. Three hours per week.

HUMN 4483 Senior Project

Credit: 3 hours

Prerequisite: ENGL 1102 and permission of instructor

This is a capstone course for students in the Cross Cultural track of the CIT program. Students will undertake a project that serves as a bridge between the Humanities curriculum and the Information Technology coursework. Students plan, propose, and develop an individual project that uses applied technology (e.g. multimedia) to create a highly interesting, hands-on, interactive exploration of a set of ideas that they have developed. This course is writing intensive, requiring a formal proposal and a final report (15-20 pages) that synthesizes and explores. Students must demonstrate the project to a small audience and give a formal oral presentation. Three hours per week. This course is normally offered in the spring.

HUMN 4483H Honors Senior Project

Credit: 3 hours

Prerequisite: ENGL 1102, permission of the instructor, and admission to the Honors Program

This is a capstone course for students in the Cross Cultural Track of the CIT program. Students will undertake a project that serves as a bridge between the Humanities curriculum and the Information Technology coursework. Students will plan, propose, and develop an individual project that uses applied technology (e.g. multimedia) to create a highly interesting, hands-on, interactive exploration of a set of ideas the student has developed. As with all other CIT courses, this class will be writing intensive, requiring a formal proposal, a weekly journal of the students' thinking and research, and a final report (15-20 pages) that synthesizes and explores. Students must demonstrate the project to a small audience, making a formal oral

presentation. The Honors Senior Project is for the superior student, and admission to this course is by invitation of the English faculty to selected students who have been admitted to the Honors Program. Students are expected to demonstrate advanced, superior skills in research, writing, oral presentation, and creation of the technological component. Three hours per week. This course is offered only in the spring.

INFORMATION TECHNOLOGY - CORE AND ELECTIVE COURSES
[DIVISION OF INFORMATION TECHNOLOGY]

ITEC 1001 Perspectives on the History of Computing

Credit: 3 hours

Corequisite: MSCC 1000

This course will explore the development of the modern computer, from pre-computer times to present day, with special emphasis placed on people, places, and machines as well as the societal impact of computing. Three hours per week.

ITEC 2215 Introduction to Information Technology

Credit: 3 hours

This is an introduction to the nature and applications of Information Technology. Students become familiar with the concepts and terminology of IT including hardware, software, networks, databases, and the Internet. They also study examples of ways in which the tools of IT are applied in the workplace. Three hours per week.

ITEC 2220 Computer Hardware and Software Concepts

Credit: 3 hours

Prerequisite: ITEC 2215

This course covers the architecture, function, and configuration of computer hardware, along with basic operating system software functions. Emphasis is placed on the troubleshooting and maintenance of computer equipment. Three hours per week.

ITEC 2245 Introduction to Databases Health Sciences

Credit: 3 hours

Prerequisite: At least a "C" in BUSA 2201

This course covers principles and practices in information modeling and database design; systems development life cycle approach to determining and analyzing information requirements, devising data models, constructing schemas, and implementing models within common database management software; use of DBMS software to create databases, perform queries, produce reports, and perform standard maintenance functions. Three hours per week.

ITEC 2260 Introduction to Computer Programming

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 2215

Prerequisite or Corequisite: MATH 1220

An introduction to computer programming, logic, design and implementa-

tion. Topics include, software design, documentation, coding methods, data types, data structures, functions, subroutines and program control structures. Three hours per week.

ITEC 2270 Computer Programming II

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 2260

This course is a continuation of ITEC 2260. Topics include GUI controls, data structures, debugging techniques, error handling, classes and database access. Three hours per week.

ITEC 3155 Systems Analysis and Design

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 2215

This course covers methods and tools for analyzing information requirements and designing computer-based information systems; systems development life cycle including requirements analysis, feasibility analysis, logical system modeling, physical system design, system implementation, project management, system maintenance, and life-cycle management; including process-oriented and object-oriented approaches. Three hours per week.

ITEC 3225 Data Communications and Networks

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 2215

This course covers computer network and communications concepts, principles, components, and practices; coverage of common networking standards, topologies, architectures, and protocols; design and operational issues surrounding network planning, configuration, monitoring, troubleshooting, and management. Three hours per week.

ITEC 3235 Computer Interface Design

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 2215

This course covers principles and applications of proper interface design for human interaction with computer systems; contributions from psychology, engineering, physiology, and ergonomics to the design of menus, icons, pointing devices, commands, and other graphic, audio/video, and hypermedia components; principles illustrated through the creation of interfaces with common software packages. Three hours per week.

ITEC 3235H Honors Computer Interface Design

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 2215 and admission to the Honors Program
This course is similar to ITEC 3235 with additional activities and assignments to qualify it as an Honors course. Three hours per week.

ITEC 3236 Introduction to Multimedia

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 2215

This course covers basic design principles and tools for creating multimedia instructional systems; use of an authoring package to produce educational

and training software; coverage of the techniques for capturing, editing, storing, and retrieving instructional content for presentation through scripted interactive software; delivery of instruction through PCs, CD-ROMs, and Web methods. Three hours per week.

ITEC 3245 Database Principles

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 2215

This course covers the basic principles and practices behind the modern database management system including: the models and methodologies that enable us to analyze and design data systems; the logical concepts that stand behind "good database design"; and the functional components of the DBMS and how they work together to bring about the management of data. Three hours per week.

ITEC 3260 Advanced Visual Basic.NET Programming

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 2270

This course covers advanced programming techniques using the Visual Basic.NET language. Topics include: object-oriented methods, classes, events, delegates, abstract base classes, composition, inheritance, interfaces and polymorphism. Three hours per week.

ITEC 3261 Web Applications Development

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 2215

This is a survey of techniques and tools for developing basic web pages for delivery of text and graphic information. Focus will be on page markup languages, page design principles, page layout techniques, markup language syntax, and page styling methods. Three hours per week.

ITEC 3261H Honors Introduction to Web Applications Development

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 2215 and admission to the Honors Program

This course is similar to ITEC 3261 with additional activities and assignments to qualify it as an Honors course. Three hours per week.

ITEC 3265 Operating Systems

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 2220

This course addresses major aspects of operating systems internal processes and capabilities such as processes and threads, deadlocks, memory management, input/output, file systems, single and multiple processor systems and security. Three hours per week

ITEC 4205 Legal Issues in Information Technology

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 2215

This course provides the opportunity for IT majors to learn about the legal, regulatory, and ethical issues involved in the field of information technology. The legal concepts and laws which govern computers and technology will be

studied. Topics include ethics, security, privacy, and current legal issues. Three hours per week.

ITEC 4211 Computer Circuits and Logic Design

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 2215

This is an introduction to the basic organization of a digital computer. Topics will include basic logic design at the circuit level, data coding and representation, functions of large-scale components, the mechanics of data transfer and control, practical design, and breadboarding and testing of digital circuits. Three hours per week.

ITEC 4212 Computer Design and Assembly Language

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 4211

This is an introduction to the basic organization of a digital computer and to the fundamentals of assembly language programming. Topics will include registers, symbolic addresses, addressing techniques, parameter passing and data representation. Three hours per week.

ITEC 4213 Software Testing and Quality Assurance

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 4211

This is a study of the methods and techniques used to test software validity. Students also will study the development and implementation of quality assurance plans and the role of review boards and audits. Three hours per week.

ITEC 4214 Embedded Systems

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3225

This course will address major aspects of real-time embedded systems. Topics will include the design of real-time embedded systems, programming aspects, reliability and fault tolerance, and real-time facilities. Three hours per week.

ITEC 4221 Data Communications Physical Media

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3225

This course addresses the physical properties of data transmission and the various types of transmission media. It covers the major topics comprising the ISO OSI Reference Model, layers 1 and 2. This includes how to construct physical transmission media such as cabling, how the telephone system operates, noise effects on transmission, and wireless communications. Three hours per week.

ITEC 4222 Data Communications Message Routing

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3225

This course addresses the characteristics, capabilities, and performance of networks at the routing message level. It covers the major topics comprising the ISO OSI Reference Model, layers 3 and 4. Various routing algorithms, flow control and congestion resolution issues, and end-to-end reliability are covered. Three hours per week.

ITEC 4223 Data Communications Applications

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3225

This course addresses the characteristics, capabilities, and performance of network applications, such as electronic mail, file transfers, remote login capability and network management. It covers the major topics comprising the ISO OSI Reference Model, layers 5 through 7. Considerations such as which network application to select and implement, how network management is accomplished and the performance issues involved in transferring data are addressed. Three hours per week.

ITEC 4224 Novell Network Administration

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3225

Using a networked laboratory, students will learn to manage, via Novell networking software, a wide variety of network capabilities, such as directory structures, drive mappings, security issues, printing domains, user environments and network utility services. Three hours per week.

ITEC 4225 Microsoft Network Administration

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3225

Using a networked laboratory, students will learn to manage, via Microsoft networking software, a wide variety of network capabilities, such as directory structures, drive mappings, security issues, printing domains, user environments and network utility services. Three hours per week.

ITEC 4226 Wireless Communication

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3225

This course will examine the many diverse aspects of wireless communications such as satellites, microwave systems, cellular telephony and wireless LANs. Issues such as international cooperation, standardization, and frequency allocation will be discussed. Three hours per week.

ITEC 4227 Introduction to Linux

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3225

This course explores the Linux operating system environment. Aspects such as origins of this operating system, its differences with Unix, the use of the command line, file and memory management and Linux GUI environments are covered. Three hours per week.

ITEC 4228 Linux Network Administration

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 4227

This course provides a background in administering a Linux network. Aspects such as configuring the TCP/IP network, setting up a Nameserver, browsing on a Linux network, sharing data, and managing user accounts are covered. Three hours per week.

ITEC 4229 Telephony

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3225

This is an introductory course that will provide students with principles and concepts covered in the telecommunications industry. The course will touch aspects of terminology, technology, finance, regulatory, organizational, and operation aspects of the telecommunications industry. Three hours per week.

ITEC 4230 Graphic Imaging

Credit: 3 hours

Prerequisite: At least a "C" in both ITEC 3235 and ITEC 3236

This course will examine techniques that are used in the industry to provide an effective presentation of graphic images. The students will also survey tools that are used for production. Three hours per week.

ITEC 4231 Fundamentals of Instructional Design

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 4230

This course introduces students to the principles of instructional design. Topics include various frameworks of instructional design, the project design cycle and the roles of project team members. Using Authorware authoring software, students will work jointly as design teams to construct instructional courseware. Three hours per week.

ITEC 4232 Introduction to Desktop Publishing

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 4230

This is a study of the processes and tools involved in publishing text and graphics. Included in this course are image, text, and page preparation; management of desktop publishing processes and tools; and basic web-page composition. Three hours per week.

ITEC 4233 Multimedia Tools and Techniques

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 4230

This course provides students with hands-on experience using current versions of popular multimedia software on the PC. Static and dynamic images are created, manipulated, and integrated into applications. Video conferencing, and streaming audio and video are also examined. Three hours per week.

ITEC 4234 Advanced Instructional Design

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 4231

This course introduces students to cognition concepts relevant to instructional design. Advanced interface design concepts also are presented. Students develop projects that use these concepts. Three hours per week.

ITEC 4235 Advanced Graphic Imaging

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 4230

This course will examine advanced techniques that are used in the industry to produce graphic images. Topics to be covered will include advanced image manipulation and creation, graphic design, color usage and adjustment, and image composition. Three hours per week.

ITEC 4236 Audio/Video Production

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 4230

The process of digital capturing and editing techniques for both audio and video are discussed for use in the interactive presentation. Pre- and post-production principals are discussed. Three hours per week.

ITEC 4237 3-D Graphics and Animation

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 4230

This course explores techniques for 3-D graphics and animation. Principles to be covered are 3-D modeling, morphing, trajectory generation, and 2-D and 3-D transformations. Three hours per week.

ITEC 4238 Introduction to Motion Graphics

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 4230

This course will examine techniques that are used in the industry to produce vector based animations and small interactive multimedia presentations using a timeline driven tool. Topics to be covered will also include storyboarding, scriptwriting, and vector graphic design. Three hours per week.

ITEC 4239 Intermediate Motion Graphics

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 4238

This course will examine techniques that are used in the industry to produce an interactive multimedia presentation using a timeline driven tool. Dynamic content will be introduced into the presentations to create robust applications. Advanced animation and vector movie production techniques will also be discussed. Three hours per week.

ITEC 4241 Data Modeling

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3245

In this course, students will learn the basics of abstraction, models, and modeling and apply this knowledge to object-oriented models. Using object-oriented technologies, the student will develop techniques for identifying, documenting, recording, and organizing entities, classes, and objects and learn how to build requirements models using the OO Development Life Cycle. Three hours per week.

ITEC 4242 Database Administration

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3245

This course will teach basic database features, tools, and administrative tasks. The administrative tasks involved are installation and upgrade of a DBMS, user account and security management, backup and recovery procedures, and performance monitoring and tuning. These tasks will be discussed in relation to database planning, design, implementation, operation, and maintenance. Three hours per week.

ITEC 4243 Database Development Tools

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3245

This course teaches topics of database development tools using Oracle Database Management System and the Oracle Developer tool set. This will include creating and modifying database objects, PL/SQL programming, creating block and custom forms and reports, and using graphics and project builder. Three hours per week.

ITEC 4247 Database Administration using DB2

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3245

This course teaches topics of database administration including database design, database implementation, user support, change-control procedures, planning for growth, and technology evaluation using DB2 database management system. Three hours per week.

ITEC 4248 Database Administration using MS SQL Server

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3245

This course teaches topics of database administration including database design, database implementation, user support, change-control procedures, planning for growth, and technology evaluation using MS SQL Server. Three hours per week.

ITEC 4249 Data Modeling Using Object Oriented Systems

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3245

This course emphasizes the role of the database administrator in converting a conceptual model into an object-oriented data model. The student will use business rules for developing classes, objects, relationships, object query language (OQL) and operations definitions for an object-oriented database management system. Students will develop a database from a case study. Three hours per week.

ITEC 4251 Information Systems Concepts

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3155

This is a survey of various concepts and topics related to information systems. This course covers the theory of systems and organizational modeling and develops an understanding of the role and importance of information systems in business. Three hours per week.

ITEC 4252 Advanced Systems Analysis and Design

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3155

This is a study of various systems development methodologies and techniques, behavioral aspects of systems, and organizational modeling. This course develops an understanding of the role and importance of information systems in business. Three hours per week.

ITEC 4253 Information Technology in Business

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3155

This is a survey and study of current and emerging information technologies that are used as tools for improving organizational performance and productivity. Explores information technologies in business areas such as accounting, finance, management, and office administration. Three hours per week.

ITEC 4254 Management of Information Resources

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3155

Recognizing that technology alone does not guarantee successful information systems, this course discusses issues related to management of information resources (i.e., hardware, software, and people) in a manner conducive to effectiveness, cooperation, and success. Three hours per week.

ITEC 4261 Introduction to Java Programming

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 2270

This is a course in developing JAVA software applications. Topics include modular application programming, expressions and operations, statements, functions, conditional statements, loops, arrays, structures, and pointers. Object-oriented programming is emphasized. Three hours per week.

ITEC 4262 Advanced Java Programming

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 4261

This is an advanced course in interactive web programming, emphasizing techniques of graphical programming with JAVA applets. The JAVA development environment and the object-oriented nature of JAVA are reviewed. Students will learn the use of advanced JAVA I/O techniques, including exception handling, URL streams, threads, image processing, and client/server programming. Various applet examples are completed as lab exercises. A student web project will be completed as part of the course. Three hours per week.

ITEC 4263 Rapid Applications Development Environments

Credit: 3 hours

Prerequisite: At least a "C" in the following ITEC 2260, ITEC 3245, and ITEC 3155

This is a course in software development environments fourth-generation, database-oriented, client/server development packages. Other topics include surveys of networking, data modeling, database design, interface design,

systems design, and software design. Students work individually and in teams to create stand-alone and distributed applications for enterprise-wide information processing. Three hours per week.

ITEC 4264 Software Engineering

Credit: 3 hours

Prerequisite: At least a "C" in one 4000-level IT programming course

Topics include programming theory, design methods, requirements and specification, validation and program testing, programming in teams, costs, decomposition, project management, and planning for change. Three hours per week.

ITEC 4266 C/C++ Programming

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 2270

Students review computer problem-solving strategies and methods. Then the focus is on C/C++ syntax for implementing basic control structures, elementary data types, and arithmetic and logical operations. Design and use of subroutines, functions, pointers, templates, classes and objects, inheritance, arrays, data structures, and records is included. Programming assignments emphasize modular design within an information processing, rather than system programming, context. Three hours per week.

ITEC 4267 COBOL Programming

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 2270

This is a study of elementary COBOL programming, using structured design and programming concepts. Emphasizes the use of COBOL in solving common business, commercial and managerial problems. Topics include COBOL program organization, sequential file I/O, control structures, arithmetic operations and report editing, control break processing, table handling direct and indexed sequential access methods, sorting and searching, and database system access using commands embedded in the source code. Students write programs that adhere to specific programming and documentation standards. Three hours per week.

ITEC 4268 Survey of Programming Languages

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 2270

This is a study of several programming languages, showing how each incorporates fundamental operations studied in the programming track courses. Candidate languages include assembly, LISP, PROLOG, ADA, and RPG. Weekly programming assignments will reinforce the features of each language. Three hours per week.

ITEC 4269 Software Development for Client/Server Database Systems

Credit: 3 hours

Prerequisite: At least a "C" in both ITEC 2260 and ITEC 3245

Students will design and implement systems that operate in a multi-tier client/server, network delivered, database environment. Topics include developing

multi-tier client applications, reports, and use of SQL. Students will develop client-server applications. Three hours per week.

ITEC 4271 Learning and Technology

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3235

This class will study the theoretical foundations of human cognition and how understanding those conceptual processes relate to the use of technology in the learning processes. The purpose is to help students understand instructional and computer design features that will facilitate the creation of effective instructional materials and activities. Three hours per week.

ITEC 4272 Distance Learning-- Theory and Application

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3235

The theories and techniques of using distance learning technology are explored through study and practice. Students will be required to participate in a distance learning project. Three hours per week.

ITEC 4273 Evaluating Educational Technology Systems

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3255

Adapted to educational systems, total quality management techniques are learned and applied in the classroom. Basic methods of assessment, measurement, evaluation, and change management are used in the evaluation of educational technology systems. A research project and paper are required. Three hours per week.

ITEC 4274 Technology in the Classroom

Credit: 3 hours

Prerequisite: At least a "C" in BUSA 2215

Focus is on the integration of technology tools into the teaching and learning environment. Based on InTech, a professional development program that satisfies teacher technology re-certification requirements in Georgia. Covers (1) Technologies available, (2) Classroom management techniques, (3) Relevant principles of learning, (4) Pedagogical practices, and (5) Curricular standards. Three hours per week.

ITEC 4275 Readings in Educational Technology

Credit: 3 hours

Prerequisites: At least a "C" in both ITEC 4231 and ITEC 4271

This is a seminar course that deals with issues in educational technology. The current literature and electronic resources provide the material that is studied. The emphasis is on identifying and translating ideas into practical programs. A research project and paper are also required. Three hours per week.

ITEC 4276 Computer Applications in Curriculum and Design

Credit: 3 hours

Prerequisite: At least a "C" in both ITEC 4231 and ITEC 4271

In this course, the process of preparing and delivering educational materials

using technology is learned and explored. A research project and paper are required. Three hours per week.

ITEC 4277 Computer Applications in Educational Administration

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3155

This course examines the use of administrative software for accounting, attendance, grades, etc. A research project and paper are required. Three hours per week.

ITEC 4278 Web Technology in the Classroom

Credit: 3 hours

Prerequisite: At least a "C" in both ITEC 4274 and ITEC 4276

In this course, the processes of modeling and developing curriculum-based activities using the Web are studied. Based on research, communication, resources, online activities, Internet projects, and web publishing. Teachers learn how to use the Web and how to successfully integrate technology in the educational environment. Three hours per week.

ITEC 4280 Introduction to Active Server Pages

Credit: 3 hours

Prerequisite: At least a "C" in both ITEC 2260 and ITEC 3261

This is an introduction to server-based web processing within an Active Server Page development environment; coverage of browser- and server-based scripting languages, data structuring, and data exchange languages, file, and database access methods, dynamic page styling, and other technologies for creating dynamic, data-driven websites. Three hours per week.

ITEC 4281 Introduction to Java Server Pages

Credit: 3 hours

Prerequisite: At least a "C" in both ITEC 3261 and ITEC 4261

This is an introduction to server-based web processing within a Java Server Pages development environment; coverage of server-side scripting elements, database access methods, servlets, dynamic content, standard and custom actions, authentication, and JavaBeans. Three hours per week.

ITEC 4282 Web Development Environments

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3261

The course covers use of enterprise-level products and methods for the design, development, deployment, maintenance, and administration of Web sites; study and application of strategies, tools, and techniques for creation of data-driven sites for electronic commerce, information management, data exchange, and other organizational applications. Three hours per week.

ITEC 4283 Advanced Web Page Design

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3261

The course covers advanced coverage of browser-based web processing; coverage of the browser document object model, dynamic formatting and styling, browser scripting languages, user interaction and personalization,

data validation, and processing of browser-side data structures. Three hours per week.

ITEC 4284 Web Multimedia Delivery

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3261

The course covers digital capture, editing, production, and distribution software and techniques for delivering digital media through file access or streaming methods; review of graphics and audio/video capture and editing tools and techniques; encoding and packaging of digital media for on-demand and live broadcast; scripting techniques for integrating digital content within web applications. Three hours per week.

ITEC 4285 Web Server Administration

Credit: 3 hours

Prerequisite: At least a "C" in both ITEC 3225 and ITEC 3261

Installation, configuration, and administration of Web servers and services; focus on Windows-based network operating systems running Internet Information Services (IIS) and Apache Web Services; setting up, securing, and managing services including hypertext transfer protocol (HTTP), file transfer protocol (FTP), and simple mail transport protocol (SMTP); extensive hands-on work in a network laboratory. Three hours per week.

ITEC 4286 Advanced Active Server Pages

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 4280

The course covers advanced technologies for creating interactive, data-driven websites within the Active Server pages environment; coverage of technologies for developing production-quality web sites for internal information management, electronic commerce, and business-to-business processing; comprehensive project to implement full range of client and server technologies. Three hours per week.

ITEC 4287 Advanced Java Server Pages

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 4281

The course covers advanced technologies for creating interactive, data-driven websites within the Java Server Pages environment; coverage of technologies for developing fully functional websites for administrative, operating, and workflow applications, for electronic commerce, and for business-to-business processing; comprehensive project that integrates technologies introduced in previous courses. Three hours per week.

ITEC 4288 Electronic Commerce Systems

Credit: 3 hours

Prerequisite: At least a "C" in ITEC 3155

Students will study and develop applications in web-based electronic commerce systems set in a client/server environment. The course will include surveys of Internet technologies, network architectures, web development techniques, e-commerce models and software, electronic catalogs, purchase and payment systems, interfaces with business systems, marketing and

promotion, and design and implementation of e-commerce systems. Students will develop prototypical electronic commerce systems. Three hours per week.

ITEC 4299 Topics in Information Technology

Credit: 3 hours

Prerequisite: Permission of the instructor

Topics covered include the design and implementation of information technology in areas such as electronic commerce, process centered analysis and design, professionalism and ethics, techniques of auditing, etc. The content of this course will change each time it is offered. Therefore, it may be repeated for credit. Three hours per week.

ITEC 4501 Special Projects in Information Technology

Credit: 3 hours

Prerequisite: Completion of IT core courses and permission of instructor

This is a work/study course that serves as a substitute in those cases where the IT student has already satisfied the workplace objectives of an internship course. Students, in consultation with faculty advisors, will design and carry out one or more special projects that will employ the skills and knowledge of the student's major area of emphasis. The projects for this course will change each time it is offered. Therefore, it may be repeated for credit. Three hours per week.

ITEC 4701 Internship in Information Technology

Credit: 3 - 6 hours

Prerequisite: Senior standing and permission of the instructor

This is a work/study course in Information Technology; student work is in an appropriate position and on an appropriate project in information technology for an assigned employer; work project is under direction of a faculty advisor in consultation with the employer. Students must submit abstracts to the instructor 30 days before the start of the semester. This course may be repeated for credit of up to 6 hours total.

ITEC 4710 Seminar in Information Technology

Credit: 3 hours

Prerequisite: Completion of the IT core courses

This is a seminar course on ideas and issues surrounding information technology. Students are required to research, to make presentations, and to lead and participate in discussions on topics pertinent to the field. Three hours per week.

ITEC 4720H Honors Seminar in Technology Management

Credit: 3 hours

Prerequisite: At least a 3.0 overall GPA, at least a 3.5 GPA in IT courses, and permission of the instructor.

This is an honors seminar in which students will discuss the management and implementation of technology in the workplace, the management of technical and creative employees, and similar topics. The course content will be drawn from articles in the current literature, principally the *Harvard Business Review*. A term paper also will be required. Three hours per week.

INTERNSHIP

INTR2201 Internship I

Credit: 3 hours

MSC recognizes the need and value of integrating traditional academic work and practical application. An internship is an important way for students to have on-the-job experience in conjunction with academic credit. To enroll, students must be approved in advance by the Counseling and Career Center. Internships require 15 hours per week of supervised work experience.

INTR2202 Internship II

Credit: 3 hours

Prerequisite: INTR 2201

MSC recognizes the need and value of integrating traditional academic work and practical application. An internship is an important way for students to have on-the-job experience in conjunction with academic credit. To enroll, students must be approved in advance by the Counseling and Career Center. Internships require 15 hours per week of supervised work experience.

INTR2203 Internship III

Credit: 3 hours

Prerequisite: INTR 2202

MSC recognizes the need and value of integrating traditional academic work and practical application. An internship is an important way for students to have on-the-job experience in conjunction with academic credit. To enroll, students must be approved in advance by the Counseling and Career Center. Internships require 15 hours per week of supervised work experience.

JOURNALISM

[*DIVISION OF HUMANITIES*]

JOUR1135 Mass Communications Survey

Credit: 3 hours

This is a survey of the structure and function of contemporary mass media from an historical and descriptive perspective, with attention paid to problems and criticisms of the media. Three hours per week.

JOUR1231 Mass Communications Laboratory

Credit: 1 hour

This is an introduction to the techniques of newspaper production and a practical application of those techniques. This course is limited to those students working on the school newspaper and is open to all majors. May be repeated three times for institutional credit or toward completing Area F requirements in journalism/mass communications. One hour lecture and three hours **laboratory** per week.

JOUR2131 News Writing and Reporting

Credit: 3 hours

This is a study of basic reporting, writing, and editing practices, with practical

assignments in the various media. Three hours per week.

JOUR2231 Advanced Mass Communications Laboratory

Credit: 1 hour

This is a work/study course designed for editors of the campus newspaper, *The Matrix*. Students will receive hands-on training in newspaper production and management, as well as advanced training in editing, layout and graphic design, and advertising sales. Students are required to spend a total of fifteen hours a week working under the direction of the faculty advisor. Credit may be used toward completing Area F requirements in journalism/mass communications. One hour lecture and three hours **laboratory** per week.

JOUR3131 Newswriting Practicum

Credit: 3 hours

Prerequisite: JOUR 2131

This offers supervised experience in on-campus media environments. Extensive practice in the various techniques of reporting. Quality of writing will be a paramount and continuing consideration.

LEARNING SUPPORT

[DIVISION OF LEARNING SUPPORT]

LSDS0102 Math Study Skills

Credit: 2 hours

The course is designed for students having difficulty in successfully completing Learning Support and first-semester mathematics courses. The course offers assistance to students in these areas: improving test-taking skills, controlling math and test anxiety, and investigating different learning styles. Two hours per week.

LSDS 0196 College Vocabulary

Credit: 2 hours

This course is designed to improve and develop students' word recognition skills and usage ability in writing and speaking situations. The course will focus on comprehending context clues, using the dictionary, and learning the meanings of prefixes, roots, and suffixes. Two hours per week.

LSDS 0197 Core Knowledge

Credit: 2 hours

This is an overview and review of those terms and concepts widely regarded as fundamental to reading and writing at the college level. Included are geographical names, historical events, famous people, literary terms and titles, folklore, and scientific terms. Two hours per week.

LSDS0198 Understanding the Computer

Credit: 2 hours

This course provide a basic introduction to the use of a personal computer. It is intended only for those who have had little or no exposure to academic computing. Students will obtain a working knowledge of personal computing at a level appropriate to a first-year college student. Two hours per week.

MACON STATE COLLEGE COURSES

MSCC 1000 Perspectives on Information and Communication

Credit: 1 hour

This is a series on the discovery, use, and presentation of information. Students will learn the role and use of research materials and how to use technology in the discovery of information as well as the critical analysis of information in knowledge building. Students also will learn how logically and effectively to present information. One hour per week.

MSCC 1003 Perspectives on Mathematics

Credit: 3 hours

Corequisite: MSCC 1000

The course explores ideas, history, and problems in mathematics that reveal the influence and nature of math. Students will realize mathematics is not an isolated subject of mere manipulations, theorems, and irrelevant topics. The course seeks to bring awareness of the inseparable relationship of math and the world around us and to give insight as to what math is, what it attempts to accomplish, and how to think mathematically. Though students have heterogeneous backgrounds, a careful selection of topics and chapters allows all levels of students to effectively study the material. Three hours per week.

MSCC 1004 Perspectives on Prime-Time TV

Credit: 3 hours

Corequisite: MSCC 1000

The course will help students learn to better analyze their television viewing habits and interpret the messages TV communicates so as not to be passive consumers of information. As a result, students will learn to think more clearly and concretely about the effect television has on their lives and to think more deeply about cultural issues. The course will use prime-time TV as a vehicle for discussing the importance of making critical judgements. Three hours per week.

MSCC 1005 Perspectives on European Monetary Union

Credit: 3 hours

Corequisite: MSCC 1000

This course focuses on the European Monetary Unit (EMU). It explores the evolution of monetary integration of Western European countries from its post-World War II origins to the present day, analyzing the changes in roles and objectives of each Member State. It also examines the political and economic impact and challenges facing the EMU as it completes the final stages and enters into the Single Market. Comparisons will be made with the U.S. and other countries in the world. Lastly, it examines the prospective enlargement of the EMU and the subsequent political and economic tasks and challenges facing the Union because of enlargement. Three hours per week.

MANAGEMENT*[DIVISION OF BUSINESS AND ECONOMICS]***MGMT 3101 Business Statistics**

Credit: 3 hours

Prerequisite: MATH 1200 and junior standing or permission of instructor

The course covers the theory and application of statistical methods in decision making, emphasizing inferential applications including analysis of variance, multiple regression and correlation, business forecasting, and nonparametric approaches to decision making. Three hours per week.

MGMT 3141 Principles of Management

Credit: 3 hours

Prerequisite: Junior standing or permission of instructor

This is an introduction to the management process emphasizing planning and strategy, organizational theory and structure, and organizational behavior, direction and control including leadership, motivation, team building, management information systems and current managerial issues such as total quality management, multicultural impact and ethical management. Three hours per week.

MGMT 3155 Organizational Behavior

Credit: 3 hours

Prerequisite: MGMT 3141 or HLSA 3320

This is a comprehensive study of human behavior and its interrelationship with the organizational environment. Emphasis will be on the contributions of the behavioral sciences and the constraints imposed by cultural diversity. Three hours per week.

MGMT 3165 Production and Operations Management

Credit: 3 hours

Prerequisite: MGMT 3101 and MGMT 3141

This is an introduction to the design and control of production and service operation systems. Topics include material requirements planning, layout, scheduling, work measurement, quality control, and the use of quantitative tools in planning and allocating resources. Computer-assisted problem solving applications are included. Three hours per week.

MGMT 3175 Quantitative Methods

Credit: 3 hours

Prerequisite: MGMT 3101

This is a study of quantitative tools useful in management decision-making. Topics include linear programming, networking, scheduling models, queuing and game theory, and forecasting including computer-assisted problem solving. Three hours per week.

MGMT 4105 Human Resource Management

Credit: 3 hours

Prerequisite: MGMT 3141

The course examines the overall personnel function in business including acquisition, use, maintenance and development of human resources. Emergent issues including legislative requirements affecting personnel management will be examined together with the constraints imposed thereon. Three hours per week.

MGMT 4115 Collective Bargaining/Labor Relations

Credit: 3 hours

Prerequisite: MGMT 3141

This is an analysis of the major problems and grievances of employers, employees, and consumers arising from our competitive economic system and a consideration of efforts to solve these problems, including labor-management conflict and resolution and the collective bargaining process. Three hours per week.

MGMT 4125 Compensation and Benefits

Credit: 3 hours

Prerequisite: MGMT 3141

The course covers basic compensation and benefits systems. Topics include a study of the employment environment and its impact on compensation programs, including job evaluation methods and salary determinations. Benefit programs and governmental policy implications will be considered. Three hours per week.

MGMT 4135 Entrepreneurship

Credit: 3 hours

Prerequisite: FINC 3131, MGMT 3141, and MKTG 3161

This is a study of the business formation process. It focuses on characteristics of successful entrepreneurs, creativity, risk taking, and the necessary planning associated with new business ventures. Students will develop an idea for a new business venture, conduct a feasibility analysis, identify resources, and conclude with a comprehensive business plan. Three hours per week.

MGMT 4145 (MKTG 4135) International Business

Credit: 3 hours

Prerequisite: MGMT 3141

This course surveys the environmental, political, and social constraints on doing business abroad and analyzes the management and operational strategies of firms engaged in international business. Three hours per week.

MGMT 4165 (MKTG 4165) Small Business Management

Credit: 3 hours

Prerequisite: FINC 3131, MGMT 3101, MGMT 3141, MKTG 3161, or permission of the instructor

This is a hands-on experience concerned with the problems and responsibilities of starting and operating a small business. Students work in teams, consulting with small business and/or entrepreneurs on actual business cases. Three hours per week.

MGMT 4195 Strategic Management

Credit: 3 hours

Prerequisite: BUSA 3100, ECON 3175, FINC 3131, LENB 3135, MGMT 3101, MGMT 3141, MGMT 3165, MKTG 3161, and senior standing

This is a capstone course designed to integrate knowledge gained in the various functional business areas and to exercise the student's analytical skills in problem identification, strategy formulation, integration and decision implementation, including international and ethical considerations. Three hours per week.

MGMT 4505 Special Topics

Credit: 1– 3 hours

Prerequisite: Approval of Division Chair

This is a customized course under the direction of a faculty sponsor that meets special needs of students and/or the community. It is designed to offer students an opportunity to study at a level or on topics not covered in regularly scheduled courses.

MGMT 4605 Internship and/or Cooperative Education

Credit: 1 – 9 hours

Prerequisite: Approval of Division Chair

This is an individually designed and planned learning experience involving field experience and study in the private or public sector. Three hours lecture per week.

MGMT 4805 Independent Study

Credit: 1 – 3 hours

Prerequisite: Approval of Division Chair

This is an investigation of a topic of interest with reports given to instructor.

MARKETING

[*DIVISION OF BUSINESS AND ECONOMICS*]

MKTG 3161 Principles of Marketing

Credit: 3 hours

Prerequisite: ECON 2105, ECON 2106, junior standing, or permission of instructor

This is an introduction to the basic principles of marketing and the marketing environment with a focus on development of an understanding of ethical planning, implementing, and controlling marketing activities on a local, national, and international scale. Three hours per week.

MKTG 3162 Consumer Behavior

Credit: 3 hours

Prerequisite: MKTG 3161

This is a study of the consumer decision-making process and the factors influencing it. Psychological, sociological, economic, and cultural anthropological factors are examined. Their impact on marketing formulation, both domestic and international, is emphasized. Three hours per week.

MKTG 3167 Retailing

Credit: 3 hours

Prerequisite: MKTG 3161

This is a study of the retail strategy as it helps form the philosophy, objectives,

activities, and control mechanisms for a retailer. Three hours per week.

MKTG 3170 Professional Selling

Credit: 3 hours

Prerequisite: MKTG 3161

This is a study of the methods of selling. Topics include analysis of prospects, behavioral aspects of the persuasion process (including approach and presentation skills), methods of handling objections, techniques of closing sales, and the salesperson's social, legal, and ethical responsibilities. Three hours per week.

MKTG 4135 Entrepreneurship

Credit: 3 hours

Prerequisite: FINC 3131, MGMT 3141, and MKTG 3161

This is a study of the business formation process. It focuses on characteristics of successful entrepreneurs, creativity, risk taking, and the necessary planning associated with new business ventures. Students will develop an idea for a new business venture, conduct a feasibility analysis, identify resources, and conclude with a comprehensive business plan. Three hours per week.

MKTG 4161 Marketing Research and Decision Systems

Credit: 3 hours

Prerequisite: MGMT 3101 and MKTG 3161

This is a study of the development of the basic methodology in research design for primary and secondary data including requirements for collection, analysis, editing, coding and presentation of data to support marketing decisions. Three hours per week.

MKTG 4165 (MGMT 4165) Small Business Management

Credit: 3 hours

Prerequisite: FINC 3131, MGMT 3101, MGMT 3141, MKTG 3161, or permission of the instructor

This is a hands-on experience concerned with the problems and responsibilities of starting and operating a small business. Students work in teams consulting with small business and/or entrepreneurs on actual business cases. Three hours per week.

MKTG 4166 Marketing Promotion and Communication

Credit: 3 hours

Prerequisite: MKTG 3161

This is a study of the theoretical and practical aspects of effective marketing communication as a means of market promotion. The course stresses economic, social, and ethical aspects of promotion and requires the student to develop a program for a specific purpose including layouts and story boards. Three hours per week.

MKTG 4198 Marketing Management

Credit: 3 hours

Prerequisite: MKTG 316, plus two other 3000/4000-level marketing courses, and senior standing

This is a study of the marketing environment. Application of the development of the marketing plan and strategy coupled with techniques to ethical marketing management is stressed by the use of cases or computer simulation.

Three hours per week.

MKTG 4505 Special Topics

Credit: 1 – 3 hours

Prerequisite: Approval of Division Chair

This is a customized course that meets special needs of students and/or the community under the direction of a faculty supervisor. It is designed to offer students an opportunity to study at a level or on topics not covered in regularly scheduled courses.

MKTG 4605 Internship and/or Cooperative Education

Credit: 1 – 9 hours

Prerequisite: Approval of Division Chair

This is an individually designed and planned learning experience involving field experience and study in the private or public sector.

MKTG 4805 Independent Study

Credit: 1 – 3 hours

Prerequisite: Approval of Division Chair

This course is an investigation of a topic of interest with reports given to instructor.

MATHEMATICS

[*DIVISION OF LEARNING SUPPORT*]

MATH 0097 Introductory Algebra

Credit: 4 hours

The course covers the basic concepts of algebra, including signed numbers, variable and numerical expressions, and linear equations and inequalities. Designed for students placed by entrance CPE scores in developmental mathematics who need a foundation in algebraic principles before taking MATH 0099. Four hours per week.

MATH 0099 Intermediate Algebra

Credit: 4 hours

The course covers intermediate algebra skills for students placed by entrance CPE scores in developmental mathematics or for those who need additional instruction to prepare for MATH 1101 or MATH 1111. The course includes linear equations and inequalities, quadratic, rational, and radical equations, and graphing of linear functions. Satisfactory completion of this course fulfills the mathematics requirement for Learning Support. Four hours per week.

MATHEMATICS

[*DIVISION OF NATURAL SCIENCES AND MATHEMATICS*]

MATH 1001 Perspectives on Decision Science

Credit: 3 hours

Corequisite: MSCC 1000

An elementary survey of techniques often used in the practice of making decisions. These techniques rely on a variety of mathematical processes including the following topics: reasoning with numbers, maximization/minimization, probability & statistical reasoning, graphs & networks, fuzzy

logic, and value/utility theory. Three hours per week.

MATH1002 Perspectives on The History of Mathematics

Credit: 3 hours

Corequisite: MSCC 1000

An elementary survey of the origins and development of mathematics from the classical to the modern. Topics will include numerical systems, and the origins of algebra, geometry, and calculus. The focus will be on the mathematicians and historical background surrounding these developments. Three hours per week.

MATH1101 Introduction to Mathematical Modeling

Credit: 3 hours

Prerequisite: Completion of Learning Support mathematics requirements

This course is an introduction to mathematical modeling using graphical, numerical, symbolic, and verbal techniques to describe and explore real-world data and phenomena. Emphasis is on the use of elementary functions to investigate and analyze problems and questions supported by the use of appropriate technology, and on effective communication of quantitative concepts and results. The course includes a study of linear, quadratic, polynomial, exponential, and logarithmic models. A TI-83 graphing calculator is required. Three hours per week.

MATH1111 College Algebra

Credit: 3 hours

Prerequisite: Completion of Learning Support mathematics requirements with at least a "C" in MATH 0099 and a score of 12 or higher on the College Algebra Placement Test; or at least a "C" in MATH 1101; or a math SAT score of at least 550.

This course, designed for students who plan to take MATH 1113, MATH 1200, or MATH 1251, is a functional approach to algebra which incorporates the use of appropriate technology. Emphasis is placed on the study of functions (linear, quadratic, piecewise defined, rational, polynomial, exponential and logarithmic), their graphs, and inequalities. Appropriate applications are included. A graphing calculator is required. Three hours per week.

MATH1113 Precalculus

Credit: 3 hours

Prerequisite: At least a "C" in MATH 1111, or a math SAT score of at least 550, or permission of instructor

This course is designed to prepare students for calculus, physics, and related technical subjects. Topics include an intensive study of trigonometric functions and their graphs, trigonometric identities, complex numbers, DeMoivre's Theorem, and the conic sections. A graphing calculator is required. Three hours per week.

MATH1113H Honors Precalculus

Credit: 3 hours

Prerequisite: Admission to the Honors Program and a math SAT score of at least 550

This is an honors course designed to prepare students for calculus, physics,

and related technical subjects. The course includes an intensive study of algebraic functions and transcendental functions (including the trigonometric functions) accompanied by analytic geometry. A graphing calculator is required. Three hours per week.

MATH1200 Elementary Statistics

Credit: 3 hours

Prerequisite: At least a "C" in MATH 1101 or MATH 1111, or permission of instructor

This is an introduction to the basic concepts and principles of statistics with elementary applications. Topics include data organization, data description, probability, normal distributions, sampling distributions, confidence intervals and hypothesis testing. A statistical or graphing calculator is required. Three hours per week.

MATH1220 Discrete Mathematics

Credit: 3 hours

Prerequisite: At least a "C" in MATH 1113, or a math SAT score of at least 550

This course is an introduction to discrete sets. Selected topics include sets, logic, counting, graph theory, trees, and algorithms. The course is designed primarily for Computer Science majors. Three hours per week.

MATH1251 Calculus I

Credit: 4 hours

Prerequisite: At least a "C" in MATH 1113, or a math SAT score of at least 600, or a sufficient score on the AP calculus exam, or permission of instructor

This is the first course in a three-course sequence designed primarily to provide mathematics and natural science majors with necessary mathematical understanding and skills. Topics include limits, continuity, differentiation of algebraic and trigonometric functions, applications of the derivative, definite and indefinite integrals, the Fundamental Theorem of Calculus, and applications of the integral. A graphing calculator is required. Four hours per week.

MATH2252 Calculus II

Credit: 4 hours

Prerequisite: At least a "C" in MATH 1251, or a math SAT score of at least 700, or permission of instructor

This is the second course in a three-course sequence designed primarily to provide mathematics and natural science majors with necessary mathematical understanding and skills. Topics include differentiation of logarithmic, exponential, and inverse trigonometric functions, techniques of integration, L'Hospital's rule, improper integrals, numerical methods, infinite series, and polar coordinates. A graphing calculator is required. Four hours per week.

MATH2253 Calculus III

Credit: 4 hours

Prerequisite: At least a "C" in MATH 2252 or permission of instructor

This is the third course in a three-course sequence designed primarily to provide mathematics and natural science majors with necessary mathematical understanding and skills. Topics include vector spaces and analytic geometry in two and three-space, calculus of vector-valued functions, calculus of functions of several variables, and vector analysis. A graphing

calculator is required. Four hours per week.

MATH2260 Introduction to Linear Algebra

Credit: 3 hours

Prerequisite: At least a "C" in MATH 2252 or permission of instructor

This is a matrix-oriented introduction to linear algebra through the study of systems of linear equations, determinants, Euclidean vector spaces, linear transformations, eigenvalues and eigenvectors, and related topics. A graphing calculator is required. Three hours per week.

MATH2270 Differential Equations

Credit: 3 hours

Prerequisite: At least a "C" in MATH 2252 or permission of instructor (MATH 2253 and MATH 2260 are highly recommended)

This is an introduction to the solution of differential equations with emphasis upon linear differential equations. Topics include systems of equations, series solutions, numerical methods, and applications. A graphing calculator is required. Three hours per week.

MUSIC

[*DIVISION OF HUMANITIES*]

MUSC 1100 Music Appreciation

Credit: 3 hours

This is an introduction to the history of music. It surveys important examples of music literature, style periods, and representative composers and addresses musical language, form, instrumentation, and expression through listening. Three hours per week.

MUSC 1101 Elementary Theory I

Credit: 2 hours

Corequisite: MUSC 1102

This is the study of elementary materials of music theory, including scales, intervals, keys, terminology, diatonic harmony, instrument transpositions, and rudimentary score analysis. Two hours lecture and three hours **laboratory** per week.

MUSC 1103 Elementary Theory II

Credit: 2 hours

Prerequisite: MUSC 1101

Corequisite: MUSC 1104

This is the study of elementary materials of music theory, including scales, intervals, keys, terminology, diatonic harmony, instrument transpositions, and rudimentary score analysis. Two hours lecture and three hours **laboratory** per week.

MUSC 1102 Sightsinging/Eartraining I

Credit: 1 hour

Corequisite for MUSC 1101

This course focuses on developing basic sightreading/sightsinging skills, including melodic, harmonic, and rhythmic sightsinging and dictation. One

hour per week.

MUSC 1104 Sightsinging/Eartraining II

Credit: 1 hour

Prerequisite: MUSC 1102

Corequisite: MUSC 1103

This course focuses on developing basic sightreading/sightsinging skills, including melodic, harmonic, and rhythmic sightsinging and dictation. One hour lecture per week.

MUSC 1300 Classical Guitar Instruction

Credit: 1 hour

Corequisite: MUSC 1333

Private or small class guitar lessons. Private lessons meet one hour per week; small class meets two hours per week. Open to students of any major, though Music majors receive scheduling priority. Maximum of two hours may apply towards the music degree. One hour laboratory per week.

MUSC 1888 Chamber Singers

Credit: 1 hour

Chamber choir of students, faculty, staff, and community members with on- and off-campus performances. Auditions will be held at the discretion of the director. Please contact the Music Department for more information. A maximum of two hours may be applied toward the music degree. Three hours laboratory per week.

MUSC 1333 Guitar Ensemble

Credit: 1 hour

A classical guitar ensemble specializing in developing performances by chamber guitar groups. Please contact the Music Department for more information. A maximum of two semester hours is applicable towards the music degree. Three hours laboratory per week.

MUSC 1400 Piano Instruction

Credit: 1 hour

Corequisite: MUSC 1888

Private or small class piano lessons. Private lessons meet one hour per week; small class meets two hours per week. Open to students of any major, though Music majors receive scheduling priority. Maximum of two hours may apply towards the music degree. One hour laboratory per week.

MUSC 1500 Voice Instruction

Credit: 1 hour

Corequisite: MUSC 1888

Private or small class voice lessons. Private lessons meet one hour per week; small class meets two hours per week. Open to students of any major, though Music majors receive scheduling priority. Maximum of two hours may apply towards the music degree. One hour laboratory per week.

MUSC 2201 Intermediate Music Theory I

Credit: 2 hours

Prerequisite: MUSC 1103

This is a continuation of the music theory sequence. Topics include advanced concepts in melodic analysis, harmonic analysis, and score analysis, as well as the study of form. Two hours lecture and three hours laboratory per week.

MUSC 2203 Intermediate Music Theory II

Credit: 2 hours

Prerequisite: MUSC 2201

This is a continuation of the music theory sequence. Topics include advanced concepts in melodic analysis, harmonic analysis, and score analysis, as well as the study of form. Two hours lecture and three hours laboratory per week.

MUSC 2300 Classical Guitar Instruction

Credit: 1 hour

Corequisite: MUSC 1333

Private or small class guitar lessons. Private lessons meet one hour per week; small class meets two hours per week. Open to students of any major, though Music majors receive scheduling priority. Maximum of two hours may apply towards the music degree. One hour laboratory per week.

MUSC 2333 Guitar Ensemble

Credit: 1 hour

A classical guitar ensemble specializing in developing performances by chamber guitar groups. Please contact the Music Department for more information. A maximum of two semester hours is applicable towards the music degree. Three hours laboratory per week.

MUSC 2400 Piano Instruction

Credit: 1 hour

Corequisite: MUSC 1888

Private or small class piano lessons. Private lessons meet one hour per week; small class meets two hours per week. Open to students of any major, though Music majors receive scheduling priority. Maximum of two hours may apply towards the music degree. One hour laboratory per week.

MUSC 2500 Voice Instruction

Credit: 1 hour

Corequisite: MUSC 2888

Private or small class voice lessons. Private lessons meet one hour per week; small class meets two hours per week. Open to students of any major, though Music majors receive scheduling priority. Maximum of two hours may apply towards the music degree. One hour laboratory per week.

MUSC 2888 Chamber Singers

Credit: 1 hour

Chamber choir of students, faculty, staff, and community members with on- and off-campus performances. Auditions will be held at the discretion of the director. Please contact the Music Department for more information. A

maximum of two hours may be applied toward the music degree. Three hours laboratory per week.

NURSING

[*DIVISION OF NURSING AND HEALTH SCIENCES*]

NURS 1003 Clinical Calculations

Credit: 2 hours

Uses metric, apothecary, and household systems of measurement with a ratio/proportion method to calculate and plan preparation and administration of medications for all ages. Includes critical thinking for safety and accuracy in dosage calculations for medication administration. Web-based (online) course.

NURS 1110 Introduction to Health Concepts

Credit: 6 hours

Pre- or Co-requisite: At least a "C" in BIOL 1114K, at least a "C" in MATH 1101 or in a more advanced math course, admission to the Nursing Program, NURS 1110L, and NURS 1111

This course is an introduction to the practice of associate degree nursing with a focus on providing basic care to individuals. Concepts of critical thinking, wellness, nursing process, functional health patterns, communication, and community are presented as a basis for nursing practice. Basic psychomotor skills are introduced and practiced in selected laboratory and health care settings. Three hours lecture and nine hours **laboratory** per week.

NURS 1111 Psychiatric/Mental Health Nursing

Credit: 3 hours

Prerequisite: At least a "C" in BIOL 1114K, at least a "C" in MATH 1101 or in a more advanced math course, and admission to the Nursing Program

Corequisite: NURS 1111L and NURS 1110

This course focuses on information and skills needed to effectively provide care to individuals who are experiencing compromised psychosocial functioning. Communication theory and the nursing process are used as the basis for providing care to clients in diverse settings. Two hours lecture and three hours **laboratory** per week.

NURS 1115 Adult Health Care Concepts I

Credit: 7 hours

Prerequisite: NURS 1110, NURS 1111, NURS 1112, at least a "C" in BIOL 1114K, and at least a "C" in MATH 1101 or in a more advanced math course

Pre- or Co-requisite: At least a "C" in BIOL 1124K

Corequisite: NURS 1115L

This course builds upon provider of care concepts as the student assists the client to achieve optimal health in a variety of settings. Management of the client response to the perioperative experience and selected health problems are included. Psychomotor behaviors are expanded to include complex skills. Four hours lecture and nine hours **laboratory** per week.

NURS 1116 Women's Health Care

Credit: 3 hours

Prerequisite: NURS 1110, NURS 1111, NURS 1112, at least a "C" in BIOL 1114K, and at least a "C" in MATH 1101 or in a more advanced math course

Pre- or Co-requisite: At least a "C" in BIOL 1124K

Corequisite: NURS 1116L

This course assists students to continue the role of provider of care while exploring the role of manager of care with emphasis on the childbearing family and women's health issues. Two hours lecture and three hours **laboratory** per week.

NURS 1124 Transition to Professional Health Care Concepts

Credit: 6 hours

Prerequisite: At least a "C" in BIOL 1114K, BIOL 1124K, at least a "C" in MATH 1101 or in a more advanced math course, and admission to the LPN-RN Mobility Track

Pre- or Corequisite: At least a "C" in BIOL 1134K and NURS 1112

This is an introduction to the concepts of professionalism and the characteristics of nursing which are designed to ease the transition from LPN to Associate Degree nurse. It enhances the student's ability to use the nursing process and communication theory for providing individualized care. The emphasis is on the provider of care, beginning manager of care and a member of discipline concepts as they relate to the client altered psychosocial functioning, illness episodes, pregnancy, childbirth and women's health promotion. Six hours lecture per week.

NURS 2210 Adult Health Care Concepts II

Credit: 6 hours

Prerequisite: NURS 1115 and NURS 1116 or NURS 1124

Pre- or Corequisite: At least a "C" in BIOL 1134K

Corequisite: NURS 2210L

This course focuses on concepts essential to the management and provision of comprehensive nursing care of clients experiencing a variety of increasingly complex health problems. Learning experiences continue to focus on achieving client's optimal health in a variety of health care settings. Three hours lecture and nine hours **laboratory** per week.

NURS 2211 Children's Health Care

Credit: 3 hours

Prerequisite: NURS 1115 and NURS 1116 or NURS 1124

Pre- or Co-requisite: At least a "C" in BIOL 1134K

Corequisite: NURS 2211L

This course presents concepts essential to managing the comprehensive nursing care of children within families, groups, and communities. Learning experiences focus on achieving a child's optimal health in a variety of health care settings. Two hours lecture and three hours **laboratory** per week.

NURS 2215 Complex Health Care Concepts

Credit: 8 hours

Prerequisite: NURS 2210, NURS 2211 and at least a "C" in BIOL 1134K

Corequisite: NURS 2215L

This course integrates concepts and skills learned throughout the curriculum

as the student applies the nursing process and critical thinking skills to the care of complex high risk clients. Clinical practice occurs in a setting collaboratively identified by the student, the faculty, and the clinical preceptor. Three hours lecture and fifteen hours **laboratory** per week.

NURS 2215H Honors Complex Health Care Concepts

Credit: 8 hours

Prerequisite: NURS 2210, NURS 2211, at least a "C" in BIOL 1134K and admission to the Honors Program

Corequisite: NURS 2215L

This course integrates concepts and skills learned throughout the curriculum as the student applies the nursing process and critical thinking skills to the care of complex high risk clients. Clinical practice occurs in a setting collaboratively identified by the student, the faculty, and the clinical preceptor. Admission by invitation of the nursing faculty to students who meet the Honors Course criteria. Honors course criteria will include a cumulative GPA of 3.50 and written recommendations from at least two faculty members citing that the student has demonstrated outstanding clinical skills. Three hours lecture and fifteen hours **laboratory** per week.

NURS 2216 Trends and Issues in Health Care

Credit: 2 hours

Prerequisite: NURS 2210, NURS 2211, or NURS 1110, NURS 1111, and NURS 1116

Corequisite: NURS 2215 or NURS 2215H and NURS 2215L, or NURS 1115 and NURS 1115L

This survey course examines pertinent health care trends and issues which impact the associate degree nurse entering the professional practice arena. Two hours lecture per week.

NURS 2299 RN Re-Entry Course

Credit: 7 hours

Prerequisite: Current immunizations, CPR, a recent physical exam, proof of malpractice insurance and application to the Georgia Board of Nursing for temporary permit for RN re-entry only.

The purpose of the course is to offer a review of essential nursing information to professional registered nurses who have not practiced or been licensed in the past five years or longer. Completion of the course allows the student to reobtain the RN license and reenter the clinical area as a registered nurse. Areas of study include Georgia Board of Nursing Rules and Regulations with a focus on the Nurse Practice Act, JCAHO standards of patient care, Universal precautions, and a basic review of common clinical conditions including their diagnostic tests, nursing assessment and management, pharmacological therapy and treatments. A brief review of specialty areas will also occur. Clinical experiences take place in the secondary care setting where supervised clinical practice serves to reinforce classroom content. 42 hours lecture and 160 hours of laboratory total.

NURS 2600 Independent Study

Credit: 1 - 3 hours

This course is individually designed under the direction of faculty to allow students opportunities to explore a specific area of interest. This course may be repeated.

NURS 2900 Special Topics

Credit: 1 - 3 hours

Courses are designed to focus on topics that are not otherwise offered. Groups of students will explore a specific area of interest under the direction of a faculty member. This course may be repeated.

NURS 3100 Concepts of Professional Nursing

Credit: 2 hours

Prerequisite: Accepted into the RN-BSN Completion Program

The focus of this course is to provide nurses with the skills and knowledge necessary for effective practice in a dramatically changing health care system. Students study the conceptual foundations of professional nursing, including analysis of the historical contributions of nursing to health care, the art and science of caring practices, nursing theories, and legal and ethical implications of practice. Processes that guide nursing practice such as effective communication, group change, the use of technology and informatics, health care economics, and cultural and spiritual dimensions of nursing are explored. Current trends in nursing care including violence, the nurse's role in genetic counseling, the nursing shortage, continuing professional development and future visions for nursing are discussed. Two hours per week.

NURS 3150 Professional Transitions

Credit: 9 hours

Prerequisite: NURS 3100

After successful completion of 6 semester hours, including NURS 3100, of nursing credit, Registered Nurses will receive 9 semester hours of "block credit" for "Advanced Standing." Information regarding advanced standing credits can be obtained through the nursing program.

NURS 3200 Physical Assessment

Credit: 3 hours

Prerequisite: At least a "C" in BIOL 1114K, BIOL 1124K, and BIOL 1134K, or permission of the instructor

This course focuses on health history and physical examination skills, as well as health promotion, restoration, and maintenance activities related to caring for the adult client. Emphasis is on the cognitive, affective and psychomotor skills necessary to perform a complete head-to-toe physical examination. It also includes clinical variations, developmental tasks, and health promotion, restoration, and maintenance activities related to the infant, child, and older adult, as well as significant cultural variations. Application of clinical assessment and clinical judgement is assessed in the laboratory setting. Two hours lecture and three hours **laboratory** per week.

NURS 3300 Pathopharmacology

Credit: 4 hours

Prerequisite: BIOL 1001K or BIOL 2107K or CHEM 1151K or PHYS 111K
Corequisite: BIOL 1002K or BIOL 2108K or CHEM 1152K or PHYS 1112K

This course explores the pathophysiologic basis of common disorders and diseases affecting humans of all ages, and correlates it to appropriate accepted pharmacological interventions used to correct or compensate for these pathophysiologic changes. Activities requiring critical thinking are used to integrate pathophysiologic alterations encountered in caring for clients in clinical practice with the theoretical foundation presented in class. Four hours per week.

NURS 3400 Concepts of Nurse as Educator

Credit: 3 hours

This course presents the foundations for effective healthcare teaching. Theories and concepts of learning, cognition, instruction, and evaluation are presented. Students will learn basic instructional design that will guide the development of teaching programs for patients and peers. Students will discuss teaching and learning styles that will facilitate precepting of novice nurses and students. Methods of enhancing caring practices through educator-to-student, nurse-to-client, and nurse-to-nurse relationships will be emphasized. Students will examine the role of nurse as educator; characteristics of learners; the ethical, legal, and economic foundations for the educational process; the impact of race, gender, and economic status of learning; learning needs of special populations and techniques and strategies for teaching and learning. Three hours per week.

NURS 3500 Gerontological Nursing

Credit: 3 hours

Prerequisite: PSYC 2103

This course is an introduction to gerontological nursing. It offers a foundation in the physiology, psychology, and sociology of aging. Health promotion, restoration, maintenance behaviors, and activities specific to the unique and complex needs of older adults are emphasized. Three hours per week.

NURS 3600 Independent Study

Credit: 1-3 hours

This course is individually designed under the direction of faculty to allow students opportunities to explore a specific area of interest. This course may be repeated.

NURS 4000 Concepts of Community Health and Transcultural Nursing Care

Credit: 5 hours

Prerequisite: PSYC 2103 and NURS 3200

Corequisite: NURS 3300 and NURS 3500

This course explores the role of the nurse in providing health care to clients in a variety of culturally diverse communities. Students will learn methods for assessing community health needs, techniques used to restore and maintain the health care of diverse populations, and strategies for promoting wellness. Cultural and ethnic factors impacting health care beliefs and practices will be explored. Students will be challenged to use introspection and conscious examination of their own belief and value systems to increase their sensitivity, respect, and caring for others. Clinical experiences will expose students to a

variety of community health environments providing opportunities to practice health promotion behaviors in the delivery of health care to diverse populations. Three hours lecture and six hours laboratory per week.

NURS 4200 Concepts of the Nurse as Leader/Manager

Credit: 3 hours

This course focuses on the study of the symbiotic roles of leadership and management for the professional nurse in various healthcare settings, including examination of related theories. It will include exploration of major management functions, as well as essential components of leadership, with an emphasis on problem solving and critical thinking, in the currently challenging and changing healthcare environment. Three hours per week.

NURS 4300 Practicum in Professional Nursing

Credit: 4 hours

Prerequisite: NURS 3100, NURS 3200, NURS 3300, NURS 3400, NURS 3500, NURS 4000, NURS 4200

Corequisite: HLSA 3000

This course focuses on the synthesis of knowledge from past and current learning experiences and promotes professional practice emphasizing principles of life-long learning and caring practices. It also focuses on communication and clinical application of the principles of the roles of professional practice including educator, consumer of research, leader/manager, and provider of care within the community. Collaboration with other health care providers to improve evidence-based outcomes of individuals, families, and communities in a diverse society is emphasized. One hour lecture and nine hours laboratory per week.

NURS 4900 Special Topics

Credit: 1-3 hours

Courses are designed to focus on topics that are not otherwise offered, but there is a current need. Groups of students will explore a specific area of interest under the direction of a faculty member. Examples: Holistic Health Care, Health Care Ethics, Genetics, Critical Health Care and Chronic Health Care. This course may be repeated.

NUTRITION

[*DIVISION OF NURSING AND HEALTH SCIENCES*]

NUTR 1115 Nutrition and Foods

Credit: 2 hours

The general food requirements for growth, maintenance, and repair of the body are presented. Emphasis is placed on individual diet assessment and counseling and the application of nutrition factors in health education. Consumer economics and its application in food purchasing and utilization are discussed. Two hours per week.

PHYSICAL EDUCATION

[*DIVISION OF NURSING AND HEALTH SCIENCES*]

PHED 1010 First Aid

Credit: 1 hour

This is an introduction to basic first aid care for injury and/or sudden illness. One hour per week.

PHED 1100 Walking

Credit: 1 hour

This is a basic introduction to fitness walking. Fitness walking techniques, knowledge, attitudes, and skills necessary for participation in a lifelong fitness program are stressed. Two hours laboratory per week.

PHED 1110 Weight Training

Credit: 1 hour

This course is an introduction to weight training, including the use of body, weights, free weights, and machines. Two hours laboratory per week.

PHED 1120 Jogging

Credit: 2 hour

This is a basic introduction to jogging. Jogging techniques, knowledge, attitudes, and skills necessary for participation in a lifelong fitness program are stressed. One hour lecture and two hours laboratory per week.

PHED 1130 Aerobics

Credit: 1 hour

This class is designed to enhance the cardiovascular component of fitness with a combination of vigorous high, low, and non-impact aerobic exercise combined with music. The student will gain knowledge of important exercise information as it pertains to the various forms of aerobic exercise. Two hours laboratory per week.

PHED 1140 Physical Fitness

Credit: 2 hour

This is an introduction to the components of fitness such as cardiovascular fitness, flexibility, muscular strength, muscular endurance, and body composition. The student will be introduced to skills needed for each component as well as information to carry over for lifelong activities. One hour lecture and two hours laboratory per week.

PHED 1150 Physical Fitness for the Non-Traditional Student

Credit: 2 hours

This course is designed for students with medical or age exemptions from the basic activity courses offered by the Physical Education Department. Its purpose is to help the student achieve a standard of fitness through participation in an exercise program. One hour lecture and two hours laboratory per week.

PHED 1190 Aquatics Fitness

Credit: 1 hour

This class is designed to enhance the cardiovascular component of fitness

with a combination of high, low, and non-impact aerobic aquatic exercise combined with music. Students will gain knowledge of important exercise information as it pertains to the various forms of aquatic aerobic fitness. Two hours laboratory per week.

PHED 1200 Tennis

Credit: 1 hour

This is a basic introduction to the game of tennis to include strokes, scoring, history, terminology, and tennis etiquette. Two hours laboratory per week.

PHED 1210 Golf

Credit: 1 hour

This is an introduction to the basic skills required to play the game of golf. Practice at local golf courses may require a fee. Two hours laboratory per week.

PHED 1220 Archery

Credit: 1 hour

This is a basic introduction to the sport of archery. Shooting techniques, scoring, safety, and equipment care are stressed. Two hours laboratory per week.

PHED 1230 Bowling

Credit: 1 hour

The course is designed to teach beginning bowlers the fundamentals of the sport of bowling. Students bowl at local bowling centers, and a fee is assessed. Two hours laboratory per week.

PHED 1300 Volleyball

Credit: 1 hour

This course is an introduction to volleyball, including fundamental volleyball skills. Two hours laboratory per week.

PHED 1310 Basketball

Credit: 1 hour

This course is an introduction to basketball, including fundamental basketball activities. Two hours laboratory per week.

PHED 1320 Softball

Credit: 1 hour

This course stresses basic fundamentals necessary to play softball. Two hours laboratory per week.

PHED 1330 Soccer

Credit: 1 hour

This is a basic introduction to soccer. Soccer skills, techniques, and a basic knowledge of the rules will be stressed. Two hours laboratory per week.

PHED 1500 Beginning Swimming I

Credit: 1 hour

This course is designed for non-swimmers. Two hours laboratory per week.

PHED 1510 Beginning Swimming II

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Credit: 1 hour

Prerequisite: PHED 1500

This course is designed for swimmers with limited swimming skills. Two hours laboratory per week.

PHED 1520 Swimming

Credit: 1 hour

Prerequisite: PHED 1510

This course is designed for swimmers and includes instruction in fundamental swimming strokes. Two hours laboratory per week.

PHED 1530 Lifeguard Training

Credit: 2 hours

Prerequisite: PHED 1520

This course is designed to teach skills and knowledge needed to prevent and respond to aquatic emergencies. The course content and activities prepare lifeguard candidates to recognize emergencies, to respond quickly and effectively to emergencies, and to prevent drowning and other incidents. The course also teaches other skills an individual needs to become a professional lifeguard. One hour lecture and two hours laboratory per week.

PHYSICAL SCIENCE

[DIVISION OF NATURAL SCIENCES AND MATHEMATICS]

PHSC 1011K Physical Science Principles

Credit: 4 hours

Prerequisite: High school algebra or MATH 0099

Corequisite: PHSC 1011L

This course is an introductory survey of the principles and concepts required for an understanding of the physical sciences. Topics include mechanics and dynamics, electricity and magnetism, thermal physics and the gas laws, waves and optics, and elements of atomic and nuclear physics. The level of mathematics required will be algebra of one equation and one unknown and will be developed at the level needed. Three hours lecture and two hours laboratory per week.

PHSC 1012 Physical Science Applications

Credit: 3 hours

Prerequisite: PHSC 1011K

This course is an introductory survey of the applications of physical principles to a variety of physical sciences. Topics will include chemistry, astronomy, meteorology, and geology. Three hours per week.

PHYSICS

[DIVISION OF NATURAL SCIENCES AND MATHEMATICS]

* Students can receive credit for graduation only with either PHYS 1111 and PHYS 1112 or PHYS 2211 and PHYS 2212.

PHYS 1111K Introductory Physics I *

Credit: 4 hours

Prerequisite: MATH 1111

Corequisite: PHYS 1111L

This introductory course will include material from mechanics, thermodynamics, and waves. Elementary algebra and trigonometry will be used. Three hours lecture and two hours **laboratory** per week.

PHYS 1112K Introductory Physics II *

Credit: 4 hours

Prerequisite: PHYS 1111K

Corequisite: PHYS 1112L

This introductory course will include material from electromagnetism, optics, and modern physics. Elementary algebra and trigonometry will be used. Three hours lecture and two hours **laboratory** per week.

PHYS 2211K Principles of Physics I *

Credit: 4 hours

Prerequisite: MATH 1251

Corequisite: PHYS 2211L

This introductory course will include material from mechanics, thermodynamics, and waves. Elementary differential calculus will be used. Three hours lecture and three hours **laboratory** per week.

PHYS 2212K Principles of Physics II *

Credit: 4 hours

Prerequisite: MATH 2252 and PHYS 2211K

Corequisite: PHYS 2212L

This introductory course will include material from electromagnetism, optics, and modern physics. Elementary differential and integral calculus will be used. Three hours lecture and three hours **laboratory** per week.

PHYS 2999 Special Topics in Physics *

Credit: 1 hour

Corequisite: PHYS 2212K

This is a special topics course in physics or applied physics (earth science, meteorology, astronomy, etc.). Students will conduct a supervised investigation of some relevant topic(s) involving a literature search and/or experimental work or observations. Students will provide a detailed report of results at the end of the course. One hour seminar per week.

POLITICAL SCIENCE

[DIVISION OF SOCIAL SCIENCES]

POLS 1101 American Government

Credit: 3 hours

* Students can receive credit for graduation only with either PHYS 1111 and PHYS 1112 or PHYS 2211 and PHYS 2212.

This is a survey of basic American constitutional principles, stressing the three major branches of the federal government and the Georgia government and the political forces affecting these branches. It meets state legislative requirements for United States and Georgia Constitutions. Three hours per week.

POLS1101H Honors American Government

Credit: 3 hours

Prerequisite: Admission to the Honors Program

This is an in-depth analysis of basic American constitutional principles, stressing the three major branches of the federal government and the Georgia government and the political forces affecting these branches. This course is open only to those students who have been admitted to the Honors Program. It meets state legislative requirements for United States and Georgia Constitutions. Three hours per week.

POLS2101 Introduction to Political Science

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

This is the study of basic political science concepts and methods. Three hours per week.

POLS2201 State and Local Government

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

This is a study of American state and local government, with emphasis on contemporary problems in Georgia. Three hours per week.

POLS2301 Introduction to Comparative Politics

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

This is a comparative study of the political systems of selected countries and/or world regions. Three hours per week.

POLS2401 Introduction to Global Issues

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

This is a survey of the principal historic forces molding the world today, with a focus on the nation-state and international organizations as responsive to these forces. Three hours per week.

POLS2501 Introduction to Domestic Issues

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

This is a survey of current issues in American domestic politics with concentration on one or more of these issues each semester. Three hours per week.

POLS2601 Introduction to Public Administration

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

This is a survey of both traditional and behavioral theories of public administra-

tion and their application to American bureaucracies. Three hours per week.

POLS3025 Administrative Law

Credit: 3 hours

Prerequisite: POLS 1101

This is a study of the legal powers of American administrative agencies (federal, state, and local) with emphasis on agencies involved in urban policies. Three hours per week.

POLS3030 Introduction to Public Policy

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

This is a study of American policy-making, implementation, and evaluation. Stress will be placed on urban policies. Three hours per week.

POLS3035 Public Finance

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

This is a study of general fiscal and budgetary policies of American governments, with emphasis on the impact of these policies on urban areas. Three hours per week.

POLS3040 Public Personnel Administration

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

This is a study of formal rules and informal practices governing governmental personnel in America. Three hours per week.

POLS3045 Political Behavior

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

This is a survey of theoretical and practical aspects of political behavior. Three hours per week.

POLS3050 American Constitutional Law

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

This is a survey of the principles of the constitution of the United States as these principles have been enunciated in decisions of the Supreme Court of the United States. Three hours per week.

POLS3055 Parties and Elections

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

This is a study of American political parties and elections, with emphasis on urban areas. Three hours per week.

POLS3060 Policy Implementation Topics

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H and permission of instructor

This is an in-depth study of a specific problem or problems in the implementation of urban policy. Three hours per week.

POLS3065 Ethics in Public Service Management

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

This is a study of the principal ethical problems faced by public administrators. Three hours per week.

POLS3070 Urban Politics

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

This is a survey of political parties, interest groups, public opinion, and elections in American urban areas. Three hours per week.

POLS3075 Interest Groups

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

The activities of lobbyist and interest groups in the United States as they relate to the initiation, formulation, enactment, and interest group administration of public policies. Three hours per week.

POLS3080 Urban Issues in State and Local Government

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

This is a survey of the structural and procedural aspects of American state and local governments in relationship to American urban problems. Three hours per week.

POLS3085 Minority Politics

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

This is a study of the impact of race, ethnicity, and gender on the American political system, with emphasis given to African-Americans, Hispanics, and women. The course will examine culture, race, and gender differences with respect to political participation. Three hours per week.

POLS3101 Political Science

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

This is the study of basic political science concepts and methods. Students taking this course at the junior level will be required to produce an additional independent project. Three hours per week.

POLS3201 State and Local Government

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

This is a study of American state and local government with emphasis on contemporary problems in Georgia. Students taking this course at the junior level will be required to produce an additional independent project. Three hours per week.

POLS3301 Urban Government

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

This is a survey of the structure, processes, and problems of American city government with emphasis on medium to large cities. Three hours per week.

POLS 3320 Metropolitan Government and Planning

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H

This is a study of the problems facing metropolitan areas with emphasis on the principal proposed solutions to these problems and discussion of the role of planning in dealing with the problems. Three hours per week.

POLS3403 Metropolitan Government: Special Topics

Credit: 3 hours

Prerequisite: POLS 1101 or POLS 1101H and permission of instructor

This is a study of a particular problem or problems related to the government of metropolitan areas, with special attention to the Macon-Warner Robins area. Three hours per week.

PSYCHOLOGY

[DIVISION OF SOCIAL SCIENCES]

PSYC 1101 Introduction to General Psychology

Credit: 3 hours

Behavior in humans and the other animals is studied from a scientific perspective. Research findings and clinical reports are explored with regard to their applicability to modern thought and practice. Students are encouraged to analyze behavior critically according to common methods used in psychology. Three hours per week.

PSYC 1101H Honors Introduction to General Psychology

Credit: 3 hours

Prerequisite: Admission to the Honors Program

Behavior in humans and the other animals is studied from a scientific perspective. Research findings and clinical reports are explored with regard to their applicability to modern thought and practice. Students are encouraged to analyze behavior critically according to common methods used in psychology. The course is enriched by field trips, classroom discussions, and projects that permit students to apply various psychological concepts to life experience. This course is open only to those students who have been admitted to the Honors Program. Three hours per week.

PSYC2103 Introduction to Human Development

Credit: 3 hours

Prerequisite: PSYC 1101 or PSYC 1101H or permission of instructor

This course presents information which focuses on human development from conception to death with emphasis on biological, cognitive, emotional, social, and personality issues. Cross-cultural emphasis will be used to

compare and contrast developmental changes. Three hours per week.

PSYC 3030 Psychological Statistics

Credit: 3 hours

Prerequisite: At least a "C" in MATH 1101 or MATH 1111 and MATH 1200

This course provides an introduction to statistics with application in the social sciences. Topics will include graphical and numerical methods for invariate data, bivariate data organization and measures of association, contingency table analysis, sampling distributions, estimation and hypothesis testing, and introduction to linear regression and correlation. Three hours per week.

PSYC 3101 Psychology of Adjustment

Credit: 3 hours

Prerequisite: PSYC 1101 or PSYC 1101H or permission of instructor

This is an overview of human psychological adjustments to the challenges faced in modern society. Topics include stress and health, gender, sexuality, relationships, change and life transitions, among others. A major course focus is turning such challenges into opportunities for personal growth and learning new coping skills. Particular emphasis is placed on applying psychological theory and research findings to the common problems of everyday living. Three hours per week.

PSYC 3150 Gerontology

Credit: 3 hours

Prerequisite: PSYC 1101 or PSYC 1101H and PSYC 2103

This course covers the scientific study of aging. It examines the biological, psychological, and behavioral changes that occur at individual ages. Students will explore the socio-cultural context in which individuals age. Relevant psychological theory and research findings about aging will receive special emphasis. Three hours per week.

PSYC 3256 Social Psychology

Credit: 3 hours

Prerequisite: PSYC 1101 or PSYC 1101H or permission of instructor

A survey of human social behavior from a psychological perspective. The course will consider such topics as the nature of social psychological research, interpersonal attraction, attitude formation and change, advertising and persuasion, aggression, prosocial behavior, and group dynamics. Lecture and demonstration will be emphasized, but group interaction will be included. Three hours per week.

PSYC 3260 Group Dynamics

Credit: 3 hours

Prerequisite: PSYC 1101 or PSYC 1101H

This course covers the scientific study of the behavior of individuals in group settings. The course will focus on why people join groups, group structure, leadership, social facilitation, group processes, social identity, prejudice, group think, intergroup conflict, intragroup cohesion, group polarization, and social loafing. Students taking the course at the junior level will be required to produce and an additional independent project. This 2000/3000 level course may be taken only once for credit. Three hours per week.

PSYC 3265 Abnormal Psychology

Credit: 3 hours

Prerequisite: PSYC 1101 or PSYC 1101H or permission of instructor

This is an introduction to maladaptive behavior and psychological disorders as classified by the Diagnostic and Statistical Manual of Mental Disorders. Historical perspectives on the field of mental illness, etiology, application of psychological theory, and research findings will be emphasized. Three hours per week.

PSYC 3277 Personality Theory

Credit: 3 hours

Prerequisite: PSYC 1101 or PSYC 1101H or permission of instructor

This course considers the formation, dynamics, and assessment of personality. Personality will be studied from the five major theoretical perspectives—psychodynamic, trait, cognitive-social learning, humanistic, and biological. Representative theorists from each perspective will be considered in depth. Emphasis is on "normal" personality development and functioning. Three hours per week.

PSYC 3285 Industrial/Organizational Behavior

Credit: 3 hours

Prerequisite: PSYC 1101 or PSYC 1101H or permission of instructor

The course is designed to introduce students to concepts, principles, and theories of behavior in the work setting with topics focusing on personnel selection, job training and evaluation, individual and group dynamics, stress in the workplace, and the work environment. Three hours per week.

PSYC 3298 Applied Learning

Credit: 3 hours

Prerequisite: PSYC 1101 or PSYC 1101H or permission of instructor

The major approaches to learning in psychology are discussed and applications for each in such areas as methods for studying, child rearing, adult learning, gender differences, and language learning are considered. The objective is to give the student a clear understanding of how learning works in humans (with some reference to animal modes) and how those principles might be used to enhance personal learning pursuits. Three hours per week.

PSYC 3330 Interviewing

Credit: 3 hours

The purpose of this course to teach interviewing skills. Students will learn the basic elements of good communication, practice good listening skills, and learn to form quality interview questions. A component of the course will be the cultural context of communication. Both theoretical and applied aspects will be covered as they relate to work in human service agencies. Three hours per week.

PSYC 3500 Child and Adolescent Psychology

Credit: 3 hours

Prerequisite: PSYC 1101 or PSYC 1101H and PSYC 2103

This course will investigate the issues and problems of children and adolescent psychology. The biological, psychological and behavioral patterns and changes that occur from birth through adolescence will be summarized from a developmental perspective. The network of intervention services for children and adolescents in crisis will also be examined. Three hours per week.

PSYC 4030 Psychological Testing

Credit: 3 hours

Prerequisite: PSYC 1101 or PSYC 1101H and PSYC 3030

This course provides a survey of the nature and application of psychological tests, including the value and limitations of various types of test. Both "objective" and "projective" techniques will be covered, with emphasis on personality, ability, and intelligence testing. Discussion of testing ethics, reliability and validity, specific test uses and misuses, and analysis of test results will be included. Three hours per week.

PSYC 4990 Seminar in Abnormal Psychology

Credit: 3 hours

Prerequisite: PSYC 1101 or PSYC 1101H and PSYC 3265

The purpose of the seminar is to provide the student with experience in applying psychological theory to actual case studies of psychological disorder. Relevant treatment practices will be stressed. The ethics of psychological disorders (as outlined in the Diagnostic and Statistical Manual) and a variety of treatment approaches is presumed. Three hours per week.

PUBLICSERVICE

[*DIVISION OF SOCIAL SCIENCES*]

PBSV 3001 Social Context of Public Service Agencies

Credit: 3 hours

This course is designed to provide students with a comprehensive overview of the theories, practices, and trends current in the helping professions. This will be accomplished through an examination of the specific tasks and purposes evinced by selected social agencies. Each agency's unique function and philosophy will be examined, along with how it fits into the public service network. At the instructor's discretion, the course may include some combination of classroom lectures, discussions, field visits, presentations by representatives from the helping professions, and/or other appropriate instructional techniques. Three hours per week.

PBSV 3010 Public Service Management

Credit: 3 hours

This is a study of the basic principles of public administration, both in government and in the private, non-profit sector. It includes an examination of ethics in public service. Four hours per week.

PBSV 3020 Research Methods

Credit: 3 hours

Prerequisite: PSYC 3030

This course will explore the role of theory in selecting research designs, sampling, data collection, and measurement in social research. Ethical issues of human subject research will be explored. Original surveys will be designed and implemented by students. Three hours per week.

PBSV 3030 Program Funding and Evaluation

Credit: 3 hours

Prerequisite: PBSV 3020

This is a review of program funding and program evaluation as they apply to public service agencies. Topics will include the location and requirements of various funding sources; fundamentals of grantsmanship; the need for program evaluation; a review of appropriate designs, methods, and processes for evaluating program effectiveness; and the proper use of evaluation results to effect change. Three hours per week.

PBSV 3040 Conflict Resolution and Negotiation

Credit: 3 hours

Conflict is universal. This course will address such topics as sources of conflicts, barriers to effective communication, theories of conflict resolution, negotiation theory, cultural contexts in conflict resolution, and mediation processes. Students will also practice listening and communication skills as well as mediation skills. Three hours per week.

PBSV 4995 Introduction to Public Service Internship

Credit: 3 hours

Prerequisites: Senior status and completion of all other PBSV and major track required courses with a minimum grade of "C" in each

This is a supervised internship experience in a vocationally appropriate setting. Students spend a minimum of fifteen hours per week under supervised conditions in an approved agency or service organization germane to student interest. The course also includes assignments, log keeping, and weekly classroom meetings. Professional liability insurance is required and appropriate insurance fees apply. This course may be exempted by in-service students. However, in-service students cannot use their agencies/organizations of employment to satisfy the internship experience.

PBSV 4996 Advanced Internship in Public Service

Credit: 3 hours

Prerequisites: Senior status, PBSV 4995 or exemption, and completion of all other PBSV and major track required courses with a minimum grade of "C" in each

This is a continuation of a supervised internship experience in a vocationally appropriate setting. Students spend a minimum of fifteen hours per week under supervised conditions in an approved agency or service organization germane to student interest. The course also includes assignments, log keeping, and weekly classroom meetings. Professional liability insurance is required and appropriate insurance fees apply. In-service students cannot use their agencies/organizations of employment to satisfy the internship

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experience.

READING

READ 0099 Reading

Credit: 4 hours

This course is designed to improve skills in vocabulary, comprehension, and reading rate, and to develop strategies for reading in the content areas to meet the demands of successful academic reading at the college level. Satisfactory completion of this course fulfills the Reading requirement for Learning Support. Four hours per week.

REGENTS' TEST COURSES

RGTR 0198 Advanced Reading Skills

Credit: 2 hours

This is an advanced reading course designed to improve vocabulary, comprehension, reading rate, and test-taking techniques. Designed for students who have failed the reading portion of the Regents' Test and recommended for those preparing for it. This is not a Learning Support course. Two hours per week.

RGTE 0199 Writing Laboratory

Credit: 2 hours

This is an intensive study in the theory and practice of writing short essays. Designed as an aid to students wishing to correct writing deficiencies or to prepare for the writing portion of the Regents' Test. It is mandatory for students required to take remediation under Regents' Testing policies. In addition to class time, students will be required to work 15-20 hours in the Academic Resource Center. This is not a Learning Support course. Two hours laboratory per week.

RESPIRATORY THERAPY

[*DIVISION OF NURSING AND HEALTH SCIENCES*]

RESP 1101 Respiratory Physiology and Assessment

Credit: 3 hours

Prerequisite: Formal acceptance into the program

This is a comprehensive study of general physical and respiratory assessment, cardiopulmonary physiology, and pulmonary function studies. Three hours per week.

RESP 1102 Respiratory Therapy Procedures and Equipment

Credit: 4 hours

Prerequisite: Formal acceptance into the program

Corequisite: RESP 1102L

The course covers basic therapeutics and equipment: oxygen gas, humidity, aerosol administration, IPPB, CPT, and incentive spirometry. Three hours

lecture and three hours **laboratory** per week.

RESP1103 Respiratory Pathophysiology

Credit: 3 hours

Prerequisite: Formal acceptance into the program

This is a comprehensive study of the disease process in obstructive and restrictive lung diseases. Three hours per week.

RESP 1104 Clinical Experience I

Credit: 3 hours

Prerequisite: Formal acceptance into the program

Corequisite: RESP 1104L

This is clinical application of intermediate didactic knowledge and laboratory skills for fundamental floor therapies. Sixteen hours **clinical** and one hour seminar per week.

RESP1105 Arterial Blood Gases

Credit: 3 hours

Prerequisite: RESP 1102

This is the study of blood gas analysis and its clinical application. Major topics include: oxygen and carbon dioxide transport, acid-base balance, blood gas interpretation, dead space, shunt, cardiac output, and oxygen consumption and analysis. Three hours per week.

RESP1106 Pharmacology

Credit: 3 hours

Prerequisite: RESP 1102

This is a study of pharmacology with an emphasis on cardiopulmonary drugs. Indications and contradictions are discussed. Three hours per week.

RESP1107 Hemodynamics

Credit: 3 hours

Prerequisite: Formal acceptance in the program

This is a study of electrocardiogram, arterial and multiple lumen catheters and their clinical applications. EKG, arterial, CVP, PAP, and PCWP along with interpretations are included. Four hours lecture and group interaction per week.

RESP1108 Medical Terminology Ethics and Legal Issues

Credit: 2 hours

Prerequisite: Formal acceptance in the program

This course focuses on building a medical vocabulary of each major body system. Ethical issues of the day are explored that are a concern to the Respiratory Care Practitioner. Medicolegal issues are also identified. Two hours per week.

RESP2201 Basic Mechanical Ventilation

Credit: 2 hours

Basic mechanical ventilation theory including modes of ventilation. Ventilation techniques and the relationship to the compliance and resistance of the lung will be explored. Emphasis placed upon ventilation equations and calculations. Two hours per week.

RESP 2202 Clinical Experience II

Credit: 3 hours

Prerequisite: RESP 1104

Corequisite: RESP 2202L

This is clinical application of intermediate didactic knowledge and laboratory skills. It will include patient transport, pulmonary function, electrocardiogram and stress testing. Sixteen hours **clinical** and one hour seminar per week.

RESP 2203 Advanced Therapies I

Credit: 4 hours

Prerequisite: RESP 1104

Corequisite: RESP 2203L

The course covers the techniques of mechanical ventilation (e.g., SIMV, PEEP, CPAP, PS) and airway management (e.g., intubation, suctioning). Three hours lecture and three hours **laboratory** per week.

RESP 2204 Advanced Therapies II

Credit: 3 hours

Prerequisite: RESP 1104

This is a study of cardiopulmonary disease entities and related intensive respiratory care procedures including hemodynamics. Situated cognition exploration in lectures and computer simulations will enhance the student's critical thinking skills. Three hours lecture and one hour seminar per week.

RESP 2205 Pediatrics/Neonatology

Credit: 3 hours

Prerequisite: RESP 1104

The course provides knowledge necessary for working in a neonatal respiratory intensive care unit. Students will be exposed to topics including fetal development, normal and abnormal deliveries, evaluation of newborn infants, acid-base and electrolyte disturbances, pulmonary disorders, and neonatal respiratory care equipment and supplies. Three hours per week.

RESP 2206 Clinical Experience III

Credit: 3 hours

Prerequisite: RESP 2202

Corequisite: RESP 2206L

This is clinical application of advanced didactic knowledge and laboratory skills. It will include neonatal pediatrics, transport and skilled nursing facilities. Sixteen hours **clinical** and one hour seminar per week.

RESP 2207 Advanced Cardiac Life Support

Credit: 2 hours

Prerequisite: RESP 2202

Corequisite: RESP 2207L

Theory and techniques of advanced cardiac life support will be studied. Two hours lecture and one hour **laboratory** per week.

RESP 2208 Ambulatory Care/Ethics

Credit: 2 hours

Prerequisite: RESP 2202

This is a study of respiratory care procedures outside the acute care hospitals. Two hours per week.

RESP2209 Clinical Experience IV

Credit: 3 hours

Prerequisite: RESP 2206

Corequisite: RESP 2209L

This is clinical experience in advanced and ambulatory care procedures. Sixteen hours **clinical** and one hour seminar per week.

RESP2211 Independent Study

Credit: 1 – 4 hours

This course is individually designed to allow students to do research in areas of cardiopulmonary care which are of interest and are not covered in the normal content of the program. This course may be repeated.

RESP2212 Registry Review

Credit: 3 hour

Patient management problems are presented in a clinical simulation format. Techniques of information gathering, data analysis, and problem solving are included. Three hours per week.

RESP2214 Pulmonary Function Testing

Credit: 2 hours

Prerequisite: Formal acceptance into the program

The course provides a study of pulmonary function testing, cardiopulmonary stress testing, and use of indirect calorimetry for nutritional assessment in the field of Respiratory Care. The application of assessment and test results to restrictive, airtrapping and hyperinflation obstructive disease process. Two hours per week.

RESP3010 Advanced Mechanical Ventilation

Credit: 3 hours

Prerequisite: Formal acceptance into the Applied Science program

Advanced Mechanical Ventilation will cover a more indepth look at all areas of mechanical ventilation, current research in the field of mechanical ventilation, and advanced monitoring. Three hours per week.

RESP3020 Intensive Respiratory Physiology

Credit: 3 hours

Prerequisite: Formal acceptance into the Applied Science program

This is an advanced course of study that brings the scientific basis of Respiratory Physiology into the Respiratory Therapists' practice. Three hours per week.

RESP3030 Respiratory Research

Credit: 3 hours

Prerequisite: Formal acceptance into the Applied Science program

This is an introduction to qualitative and quantitative research. Descriptive statistical methods are described. Approaches to qualitative design, conducting, and writing are presented. Three hours per week.

RESP3040 Advanced Pediatrics/Neonatology

Credit: 3 hours

Prerequisite: Formal acceptance into the Applied Science program

This is a study of advanced pediatrics and neonatology in the intensive care setting. Students increase knowledge in assessment and evaluation, identification and utilization of critical skills, and procedures used in the intensive care settings in a general review of perinatal/pediatric respiratory care. Three hours per week.

RESP 3050 Advanced Adult Critical Care

Credit: 3 hours

Prerequisite: Formal acceptance into the Applied Science program

This is a holistic study of cardiopulmonary diseases and the necessary treatment, monitoring and patient care necessary for support of patients in the intensive care settings. Three hours per week.

SCIENCE

[*DIVISION OF NATURAL SCIENCES AND MATHEMATICS*]

SCIE 1150 Science, Technology, and the Citizen

Credit: 3 hours

This is an investigation of the interaction between scientists and constituted authority, and its effects on policy formation and the conduct of science. The nature of theory, laymen's current misunderstandings, and differences between scientists and other professionals are explored. Three hours per week.

SCIE 2152 Science, Poetry, and the Imagination

Credit: 3 hours

Prerequisite: ENGL 1102 or ENGL 1102H and MATH 1111 or any higher numbered mathematics course

This is an interdisciplinary course connecting humanities and natural sciences and mathematics. This course examines the use of metaphor and symbol in understanding poetry and the use of model in understanding scientific theory. Three hours per week.

SCIE 2154 Environmental Issues

Credit: 3 hours

Prerequisite: ENGL 1102 or ENGL 1102H or permission of instructor

This is an interdisciplinary course connecting humanities and natural sciences and mathematics. This course is designed to examine fundamental principles of the environment from a scientific, global perspective as well as to consider how our understanding of environmental concepts is revealed historically in literature. Three hours per week.

SOCIAL SCIENCES

[*DIVISION OF SOCIAL SCIENCES*]

SSCI 1001 Perspectives on the Human Mind

Credit: 3 hours

Corequisite: MSCC 1000

This course introduces beginning students to knowledge about the mind as it is understood in the social sciences. Topics will include altered states of consciousness (drugs, sleep, awareness), learning and studying, emotions, language development, the abnormal mind, concepts of morality, and social interaction. Special emphasis will be placed on critical thinking and problem solving functions of the mind. The level of presentations is designed to be within reach of most students. Three hours per week.

SSCI 1002 Perspectives on Music and Society

Credit: 3 hours

Corequisite: MSCC 1000

This course is a theoretically grounded exploration of the interface between music and society. Sociological theories and concepts are used to describe the development of Blues, Jazz, and Rock 'n' Roll. Sound recordings produced by artists from these musical streams are examined in relation to twentieth century American social movements. Topics may include methods and theories for studying popular music, the Civil Rights Movement and American music, feminist issues in modern music, music and the making of the Counterculture, music and class politics, and youth movements and censorship. Three hours per week.

SSCI 1003 Perspectives on Diversity

Credit: 3 hours

Corequisite: MSCC 1000

This course is designed to assist students in exploring diversity and multiculturalism in recent times in America. Students will be challenged to engage in critical thinking as they examine their values to determine their degrees of self-acceptance as well as the acceptance of others and to identify and examine diverse cultures. Topics will include ethnocentrism and multiculturalism, inclusion and exclusion in education, politics, religion and the media, intercultural interacting, and an examination of various cultures. Critical thinking will be exercised as students are encouraged to examine myths and stereotypes. Three hours per week.

SSCI 1004 Perspectives on American Religious Diversity

Credit: 3 hours

Corequisite: MSCC 1000

This course explores the diversity of religious expression in the United States. Using historical and sociological perspectives, discussion will center on America's diverse religious groups, and on religious perspectives in American popular culture. The theme of this course is that religion is influential in America, not only in its institutional expressions (churches, synagogues, mosques, etc.), but also in secular life (film, music, sports, etc.) Three hours per week.

SOCIOLOGY

[DIVISION OF SOCIAL SCIENCES]

SOCI 1101 Introduction to Sociology

Credit: 3 hours

This is a survey of the discipline of sociology. Topics will include sociological theory, methods, and selected substantive areas. The course uses core concepts to explore the relationship between private experience and social structure. Substantive topics may include the sociological perspective, culture, institutions, socialization, social interaction, deviance, stratification, social change, and global citizenry. Three hours per week.

SOCI 1101H Honors Introduction to Sociology

Credit: 3 hours

Prerequisite: Admission to the Honors Program

This is a survey of the discipline of sociology. Various substantive topics will include core sociological theory, methods, concepts and findings in a context that provides an opportunity to do a guided research project. This course employs the sociological perspective to analyze the interplay among social structure, individuals, and groups. This course is open only to students who have been admitted to the Honors Program. Three hours per week.

SOCI 1160 Introduction to Social Problems

Credit: 3 hours

This is a theoretical and empirical analysis of selected major social problems confronting American society. Selected topics may include social inequality, crime, drugs, family violence, poverty, the criminal justice system, environmental pollution, resource depletion, illiteracy, war, and health care. Three hours per week.

SOCI 2293 Introduction to Marriage and the Family

Credit: 3 hours

This is an introduction to the structure, processes, problems, and adjustments of contemporary marriage and family life. Analyzed from historical, present day, and cross-cultural perspectives, topics may include family law, mate selection, sexuality, stages of family development, divorce, and remarriage. Strong emphasis will be placed on life skills such as communication styles and conflict resolution. Three hours per week.

SOCI 3150 Gerontology

Credit: 3 hours

Prerequisite: SOCI 1101 and PSYC 2103

The scientific study of aging. This course examines the biological, sociological, and behavioral changes that occur as an individual ages. Students also explore the socio-cultural context in which individuals age. Relevant sociological theory and research findings about aging will receive special emphasis. Three hours per week.

SOCI 3225 Social Stratification

Credit: 3 hours

Prerequisite: SOCI 1101

This course deals with the diversity of subcultures in contemporary U.S. society. It includes a theoretical analysis of stratification markers such as ethnicity, color, gender, religion, age, regionality, and alternative life styles. Three hours per week.

SOCI 3260 Group Dynamics

Credit: 3 hours

Prerequisite: SOCI 1101 or permission of the instructor

The scientific study of the behavior of individuals in group settings. This course focuses on why people join groups, group structure, leadership, conformity, social facilitation, group processes, social identity, prejudice, groupthink, intergroup conflict, intragroup cohesion, group polarization, and social loafing. Three hours per week.

SOCI3285 Industrial/Organizational Behavior

Credit: 3 hours

Prerequisite: SOCI 1101 or permission of the instructor

A course designed to introduce students to concepts, principles, and theories of behavior in the work setting with topics focusing on personnel selection, job training and evaluation, individual and group dynamics, stress in the work place, and the work environment. Three hours per week.

SOCI3510 Community/Urban Sociology

Credit: 3 hours

Prerequisite: SOCI 1101

The social, economic, and political processes shaping urban areas are examined against the theoretical backdrop of classic urban ecology and contemporary political economy. Topics covered may include methods and theories of community analysis, the origins of cities, suburbanization, urban subcultures, urban problems, city planning, community politics and reform, and global cities. Three hours per week.

SOCI4110 Deviance and Social Control

Credit: 3 hours

Prerequisite: SOCI 1101

The study of deviant behavior from a sociological perspective. The course will focus upon definitions and theories, problems of research, the creation and maintenance of deviant categories, and the development of deviant identities, careers, and subcultures. Three hours per week.

SOCI4120 Addiction Studies

Credit: 3 hours

Prerequisite: SOCI 1101

This course will acquaint students with the physiological effects of the common drugs of abuse, both licit and illicit. It will present contemporary theories - biological, sociological, and psychological - for the addictive process, its social responses, and its treatment. Three hours per week.

SPANISH

[DIVISION OF HUMANITIES]

SPAN1001 Elementary Spanish I

Credit: 3 hours

Corequisite: SPAN 1001L

This is an introduction to listening, speaking, reading, and writing in Spanish and to the culture of Spanish-speaking regions. Spanish 1001 is appropriate for students with no background in a foreign language or for students whose high school foreign language requirement was met through a two-year

sequence of a different language. Students should register as auditors if they wish to review the material. (This course carries only institutional credit if the same language was used for their college preparatory curriculum.) Basic pronunciation, conversation, and structure are emphasized. Three hours lecture and two hours **laboratory** per week.

Many system institutions will not accept the first elementary course in a foreign language to meet degree requirements.

SPAN 1002 Elementary Spanish II

Credit: 3 hours

Prerequisite: At least a "C" in SPAN 1001

Corequisite: SPAN 1002L

This is continued listening, speaking, reading, and writing in Spanish with further study of the culture of Spanish--speaking regions. Basic pronunciation, conversation, and structure are stressed. This course is a continuation of Spanish 1001 or is appropriate for students who have two years of high school Spanish (with at least a "B" average) or the equivalent. Three hours lecture and two hours **laboratory** per week.

SPAN 2001 Intermediate Spanish I: Language, Culture and Literature

Credit: 3 hours

Prerequisite: At least a "C" in SPAN 1002

Corequisite: SPAN 2001L

This course reviews and continues the study of the four language skills: listening, speaking, reading, and writing. Students also study, in Spanish, cultures where the language is spoken. Students complete an intensive review of Spanish grammar. Students move beyond controlled composition exercises to more advanced exercises in writing. Discussion will be conducted in Spanish with an introduction to the skill of translation for literary works. This level is appropriate for students who have had three years of high school Spanish (with at least a "B" average); students are encouraged to take a test for placement at this level. Three hours lecture and two hours laboratory per week.

SPAN 2002 Intermediate Spanish II: Language, Culture and Literature

Credit: 3 hours

Prerequisite: At least a "C" in SPAN 2001

Corequisite: SPAN 2002L

Students complete an intensive review of Spanish grammar while continuing their study of the four language skills (listening, speaking, reading, and writing) and expanding their study of Spanish cultures. Extensive readings include contemporary materials and literary selections as well as the expanded use of techniques of translation and literary analysis. Discussions will be conducted in Spanish. Students move beyond controlled composition exercises to more advanced exercises in writing. This level is appropriate for students with a strong background (three or four years in high school with at least a "B" average) or native speakers with limited formal education or experience in the language. Three hours lecture and two hours **laboratory** per week.

SPAN 2999 Special Topics Study Abroad

Credit: 3-6 hours

Prerequisite: Spanish 1002 or equivalent or permission of instructor

This course covers Spanish study abroad on significant topics of cultural interest not otherwise covered in course offerings at Macon State College. The content of this course will change each time it is offered. Therefore, it may be repeated for credit for up to 6 hours total.

SPAN 3001 Grammar and Composition

Credit: 3 hours

Prerequisite: At least a "C" in SPAN 2002 or permission of instructor

This course provides general review of basic grammar and covers certain topics in more depth, such as uses of the subjunctive and a contrastive/comparative analysis of the syntax of English and Spanish. Students will study and compose documents (such as letters, memos, summaries, etc.) which will be applicable to their work environment. Two hours of class and one hour of supervised lab work.

SPAN 3002 Language and Culture

Credit: 3 hours

Prerequisite: At least a "C" in SPAN 3001 or permission of instructor

This course provides experience in reading, understanding, and eventually analyzing communication patterns and paralinguistic aspects of spoken Spanish. In addition, students learn about everyday life in countries where Spanish is spoken. Cultural readings include information about the culture and examples of language as it is used within the cultural context. Videos and multimedia materials, including resources found on the internet and through e-mail and listserv opportunities, are used in class and in lab settings. Three hours per week.

SPAN 3003 Conversation I

Credit: 3 hours

Prerequisite: At least a "C" in SPAN 3001 or permission of instructor

This course provides a forum for the discussion of topics chosen by the class. Readings, videos, interviews with native speakers, and oral in-class presentations are used to determine the topics for discussion and, where appropriate, role-play. Three hours per week.

SPAN 3999 Special Topics Study Abroad

Credit: 3-6 hours

Prerequisite: Spanish 1002 or equivalent or permission of instructor

This course covers advanced Spanish study abroad on significant topics of cultural interest not otherwise covered in course offerings at Macon State College. The content of this course will change each time it is offered. Therefore, it may be repeated for credit for up to 6 hours total.

THEATRE

[DIVISION OF HUMANITIES]

THEA 1100 Theatre Appreciation

Credit: 3 hours

This is a survey of the significant movements and periods in the history of the theatre from the Greeks to the present. Three hours per week.

THEA 1221 Theatre Crafts Basic

Credit: 1 hour

This course is designed to further the student's knowledge of the basics of stage craft and performance through direct involvement in theatre productions on and off campus. One hour lecture and two hours laboratory per week.

THEA 2221 Theatre Crafts Intermediate

Credit: 1 hour

This course is designed to further the student's knowledge of the basics of stage craft and performance through direct involvement in theatre productions on and off campus. One hour lecture and two hours laboratory per week.

WebBSIT

[*DIVISION OF INFORMATION TECHNOLOGY*]

WBIT 1100 Introduction to Information Technology

Credit: 3 hours

This course is an introductory course in information technology. Topics include foundations in hardware, software, data and an overview of the use of information technology in organizations. Topics include structured programming techniques, systems development, database design and networking, with an emphasis on appropriate business ethics, interpersonal skills and team building.

WBIT 1310 Programming and Problem Solving I

Credit: 3 hours

Prerequisite: At least a "C" in an Area A mathematics course and in WBIT 1100

This course helps students to develop basic problem-solving skills using the Java programming language. Students are introduced to fundamentals of Java programming language with emphasis on primitive data types, control structures, methods, arrays, classes, objects, abstraction, inheritance and polymorphism. Students learn basic techniques of good programming style, design, coding, debugging, and documentation. Students are able to create programs to solve basic practical problems.

WBIT 2000 The Enterprise and IT

Credit: 3 hours

Prerequisite: WBIT 1100

This course will look at the structure and management of an information technology infrastructure. From the management aspect the course will touch on principles and practices of managing both people and technology to support an organization. The course will emphasize how to make an information technology infrastructure effective, efficient, and productive. The management of hardware, software, data, networks and other supporting IT functions will be studied.

WBIT 2300 Discrete Math for IT

Credit: 3 hours

Prerequisite: Pre-calculus, Survey of Calculus, Finite Mathematics, or equivalent
Discrete (as opposed to continuous) mathematics is of direct importance to the fields of Computer Science and Information Technology. This branch of mathematics includes studying areas such as set theory, logic, relations, graph theory, and analysis of algorithms. This course is intended to provide students with an understanding of these areas and their use in the fields of Computer Science and Information Technology.

WBIT 2311 Programming and Problem Solving II

Credit: 3 hours

Prerequisite: WBIT 1310 and WBIT 2300

The emphasis of this course is on advanced programming techniques in Java including GUI's, software reuse through component libraries, recursion, event-driven programming, database processing, file processing, and exception handling. Students are able to create event-driven, graphical programs or text-based programs solving practical problems incorporating databases and external files.

WBIT 3010 Technical Communication

Credit: 3 hours

Prerequisite: ENGL 1102

This course covers workplace communication at the intermediate level. Topics include audience analysis, research proposal and report writing, document and visual design, editing and presentation design.

WBIT 3110 Systems Analysis and Design

Credit: 3 hours

Prerequisite: WBIT 1310 and WBIT 2000

Introduces the fundamental principles of the design and analysis of IT applications. In this course, students will learn to apply the tools and techniques commonly used by systems analysts to build and document IT applications. Classical and structured tools for describing data flow, data structure, process flow, file design, input and output design, and program specification will be studied, as will object-oriented techniques.

WBIT 3111 Information Technology Project Management

Credit: 3 hours

Prerequisite: WBIT 3110 and MATH 1401

Project management techniques and tools as applied to information systems projects including resource and personnel management allocation, product testing, scheduling, and project management software. Students will study examples of both successful and unsuccessful projects and apply lessons learned to a class project.

WBIT 3200 Database Design, Development and Deployment

Credit: 3 hours

Prerequisite: WBIT 2311

This is an advanced course in database design, development and deployment. Course emphasizes database design drawing distinctions between data modeling and process modeling using various modeling techniques including Entity-Relationship Modeling, Object Modeling and Data Flow Diagramming; database development using the relational model, normalization, and SQL; database deployment including control mechanisms, forms, reports, menus and web interfaces. Additional topics include procedures,

functions, packages and triggers. Students will design, create and process a database to demonstrate competency in the course content.

WBIT 3400 Introduction to Multimedia

Credit: 3 hours

This course covers the basic design principles and tools for creating multimedia components used in web-based systems; use of tools to create and edit graphics, sounds, and animations to be used in multimedia presentations.

WBIT 3410 Web Applications Development

Credit: 3 hours

Prerequisite: WBIT 1100

This course provides a survey of techniques and tools for developing basic web pages for delivery of text and graphic information; focus on page markup languages, client-side scripting, page design principles, page layout techniques, markup language syntax, and page styling methods.

WBIT 3500 Architecture and Operating Systems

Credit: 3 hours

Prerequisite: WBIT 1100

This course introduces students to the architectures of computer systems and the operating systems that run on them. It explores and gives experience with some common computer designs and operating systems. Topics include basic computer architecture, instruction set architecture, memory, memory management, processes, and file systems.

WBIT 3510 Data Communications and Networking

Credit: 3 hours

Prerequisite: WBIT 3500

This course covers computer network and communications concepts, principles, components, and practices; coverage of common networking standards, topologies, architectures, and protocols; design and operational issues surrounding network planning, configuration, monitoring, troubleshooting, and management.

WBIT 3600 Introduction to E-Commerce

Credit: 3 hours

Prerequisite: WBIT 3110 and WBIT 3410

The emphasis of this course is on basic principles and practices of E-business and E-commerce. Topics include infrastructures and applications of E-Commerce, E-Tailing, E-Marketing, advertisement, B2B, B2C, C2C, E-Government, M-Commerce, E-Learning, electronic payment systems, security, and legal issues. Students also learn to build simple dynamic E-Commerce sites using server-side scripting.

WBIT 4020 Professional Practices and Ethics

Credit: 3 hours

Prerequisite: Senior standing

This course covers historical, social, economic and legal considerations of information technology. It includes studies of professional codes of ethical conduct, philosophy of ethics, risk analysis, liability, responsibility, security, privacy, intellectual property, the Internet and various laws that affect an information technology infrastructure.

WBIT 4030 Senior Project & Portfolio

Credit: 3 hours

Prerequisite: Senior standing

A capstone course for BSIT majors that includes completion of a digital portfolio, and electronic resume representing skills acquired and projects completed. The portfolio will be introduced in an earlier course and students will be expected to add to the portfolio selected assignments during their last few semesters. Faculty will include Portfolio comments and students will be expected to record reflections on accomplishments. Finally, in cooperation with the IT industry, students will be expected to secure an internship and document intership hours, objectives and supervisor evaluations in the Portfolio.

WBIT 4112 Systems Acquisition, Integration and Implementation

Credit: 3 hours

Prerequisite: WBIT 3110, WBIT 3200, and WBIT 4520

Most IT applications used by organizations are configured from components that have been purchased from third-party vendors. This includes both hardware components and, increasingly, software components. In this course, students will study the component acquisition process, and methods and techniques for integrating these components into an existing IT infrastructure.

WBIT 4120 Human-Computer Interaction

Credit: 3 hours

Prerequisite: WBIT 1100, WBIT 1310, and WBIT 2311

Fundamentals of human-machine interfaces, both cognitive and physical. Learning styles and effects of short-term memory on cognition and reaction will affect hardware and software development. Students will design a prototype interface.

WBIT 4520 Information Security

Credit: 3 hours

Prerequisite: WBIT 3500

Prerequisite or Corequisite: WBIT 3510

This course is an introduction to information security in computing. Topics include computer, network (distributed) system and cyber security, digital assets protection, data backup and disaster recovery, encryption, cryptography, computer virus, firewalls, terrorism and cyber crimes, legal, ethical and professional issues, risk management, information security design, implementation and maintenance.

WBIT 4601 Customer Relationship Management

Credit: 3 hours

Prerequisite: WBIT 3111, WBIT 3200, and WBIT 3600

The deployment of IT applications has allowed many organizations to collect large amounts of data on their clients and to use such data to improve the relationships with their customers. In this course, students will study customer relationship management systems, including the reasons for their emergence, the functionalities that they provide and the issues one would have to face to successfully introduce a Customer Relationship Management System into an organization.

WBIT 4602 E-Commerce Design and Development

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Credit: 3 hours

Prerequisite: WBIT 2311, WBIT 3200, and WBIT 3600

Students will develop an understanding of the complexities of electronic commerce. The course will include surveys of Internet technologies, web development software, e-commerce models, purchase and payment systems, interfaces with business systems, legal issues, international issues, and marketing and promotion of e-commerce systems. Students will develop prototypical electronic commerce systems.

WBIT 4610 E-Commerce Policy and Law

Credit: 3 hours

Prerequisite: WBIT 3600

This course will focus on the legal implications of conducting business over the Internet, including current understanding of Internet contracts, copyright, trademark and patent law. Further, this course will examine cutting-edge cases relating to e-commerce and emerging ethical issues and trends.

Note: The preceding list of courses includes all those courses that Macon State College currently offers. This list of courses does not include all possible course offerings. The faculty