

TERMS YOU NEED TO KNOW

Certificate programs - short-term programs, usually 30 credits or less, intended for occupational training, upgrading, or retraining. Students receive a Certificate upon successfully fulfilling all requirements and applying for graduation.

Degree programs - academic programs requiring 60 to 68 credit hours to complete and which earn Associate in Arts and Associate in Science degrees.

Distance Learning or Online Courses - courses offered through computer Internet connection, no regularly scheduled on-campus classes. For more information, Students should contact the Director of Distance Learning, (203) 332-8571.

Electives - credit courses selected by the student to supplement the required courses in the program of study. Students should consult with their faculty advisors when choosing electives. The courses from which electives may be selected are specified in the program of study.

Hybrid is a name given to describe courses that combine traditional classroom lecture with online coursework.

Prerequisite Course - a course that must be successfully completed before a student can enroll in the next course. Often a grade of "C" or higher is required.

Parallel Course - a course that must be taken either before the course or during the same semester.

Behavioral Sciences electives - courses included in the behavioral sciences (anthropology, psychology, sociology).

Social Sciences electives - courses included in the social sciences (economics, geography, government, history), and SOC* E220, SOC* E222.

Business electives - courses included under the following headings: accounting, business administration, business office technology, computer science, and economics.

Fine Arts electives - courses in ART* (except ART* E209 and ART* E290), music, theater (except THA* E120), and creative writing (ENG* E281).

Humanities electives - courses in humanities, literature (except ENG* E281), philosophy, religion, and foreign languages.

Mathematics electives - any mathematics course (except MAT* E075 and MAT* E095).

Open electives - courses whose credits can be applied toward graduation, numbered 100 or higher.

Computer Science electives - any computer science course except CSA* E106, CSA* E135, CSA* E145, CSA* E153, CSA* E163, and CSA* E205, CSA* E220.

Science electives - any course listed under biology, chemistry, engineering, natural science, and physics. Students planning to transfer should seriously consider selecting a science elective with a laboratory.

Course Elective Codes

All degree and certificate programs require various courses that must be completed to meet graduation requirements. Many programs include elective courses in addition to specific courses.

The following codes are used after course titles to help you and your advisor determine which elective the course will meet upon its successful completion. In addition to the codes indicated, all courses except those with course numbers less than 100 (ENG* E073, as example) qualify as open electives. You are advised to pay special attention to program footnotes when planning your electives.

Codes:

B	Business elective
BS	Behavioral Science elective
C	Computer Fundamentals (<i>satisfies requirement</i>)
CS	Computer Sciences elective
F	Fine Arts elective
H	Humanities elective
M	Mathematics elective
S	Science elective
SS	Social Science elective
Open Elective	All courses numbered 100 or higher

COURSE DESCRIPTIONS

ACCOUNTING

ACC* E113 Principles of Financial Accounting 3 ch Code B

Prerequisite or Parallel: ENG E043.*

A study of the basic principles and procedures of the accounting process as they relate to the recording, measurement, and communications of the business entity's financial data. Emphasis is placed on the recording process, income determination and the development of financial statements.

ACC* E117 Principles of Managerial Accounting 3 ch Code B

Previously: AC 101

Prerequisite: ACC E113 and ENG* E043, each with a grade of "C" or higher.*

A basic study of managerial accounting concepts as they relate to the planning, implementation, control and evaluation of the entity's financial performance. Emphasis is placed on cost behavior and control and the preparation and use of budgets as a management tool.

ACC* E125 Accounting Computer Applications 3 ch Code B, C

Previously: AC 104

Prerequisite: ACC E113.*

Use of prewritten computer programs to simulate actual accounting applications on microprocessors. Programs include general ledger, accounts receivable, accounts payable, and payroll. Additional projects are prepared using spreadsheet programs. No previous computer knowledge is required.

ACC* E126 Accounting Computer Applications II 3 ch Code B, C

Previously: AC 105

Prerequisites: ACC E113 and ACC* E125.*

Use of pre-written programs to simulate applications on microprocessors. Programs include general ledger, payroll, inventory control, financial data import/export, financial reports design, format, and preparation.

ACC* E231 Cost Accounting I 3 ch Code B

Previously: AC 203

Prerequisite: ACC E117.*

Develops the principles of cost accounting introduced in ACC* E117. The student will relate the position of cost accounting to the overall financial structure. Various types of cost accounting systems and their applications in industry are also covered.

ACC* E241 Federal Taxes I 3 ch Code B

Previously: AC 204

Prerequisite: ENG E101.*

An examination of the theory and problems of federal income tax regulations for individuals. Includes the preparation of tax returns for individuals.

ACC* E245 Tax Compliance 3 ch

Previously: AC 205

Code B

Prerequisite: ACC E117 and ENG* E101.*

A study of quarterly and annual tax filing requirements as they relate to the business entity. Emphasis is placed on Federal and Connecticut State payroll tax reporting. Attention is also given to Connecticut State sales tax filings and basic income tax filing procedures for the sole proprietorship, partnership and corporate forms of business organization.

ACC* E251 Fund Accounting 3 ch

Previously: AC 103

Code B, C

Prerequisites: ACC E113 and ENG* E043.*

Emphasis will be concentrated on general fund accounting, budgetary controls, appropriation accounting, and financial reporting as related to social, religious, cultural, and educational non-profit organizations.

ACC* E275 Principles of Intermediate Accounting I 4 ch Code B, C

Previously: AC 210

Prerequisite: ACC E117.*

Detailed examination of financial accounting principles relative to the valuation and disclosure procedures of assets as reported in the typical balance sheet. Students will use computer applications and spreadsheet software for problem solving.

ACC* E276 Principles of Intermediate Accounting II 4 ch Code B, C

Previously: AC 211

Prerequisite: ACC E117.*

Continues the detailed examination of financial accounting principles in ACC* E275 with emphasis on valuation and disclosure practices pertaining to non-current assets, liabilities and stockholders equity. Students will use computer applications and spreadsheet software for problem solving.

ACC* E277 Principles of Intermediate Accounting III 4 ch Code B, C

Previously: AC 212

Prerequisite: ACC E276.*

A detailed examination of financial accounting principles initiated in ACC* E275 and ACC* E276. Attention is focused on the more complex topics of earnings per share, accounting for income taxes, leases, accounting changes and error analysis, and statement of cash flows. Students will use computer applications and spreadsheet software for problem solving.

ANTHROPOLOGY

ANT* E101 Introduction to Anthropology

3 ch

Previously: AN 101

Code BS

Prerequisite or Parallel: ENG E101.*

An introduction to the discipline of anthropology. Emphasis is upon the evolution and diversity of humans (physical anthropology) and upon the environments and cultures of various peoples (ethnology). Archaeology and linguistics are covered briefly.

ANT* E105 Introduction to Cultural Anthropology

3 ch

Previously: AN 201

Code BS

Prerequisite: ANT E101 and ENG* E101 or permission of the instructor.*

A study of anthropological techniques, cultures, archaeological evidence from early cultures, the evolution of people from primitive technological cultures, the study of the ethnological, environmental, economic factors as they influence culture, and the effects of family structure, kinship systems, religion, magic and art with the culture.

ART/GRAPHICS

ART* E101 Art History I

3 ch

Previously: AR 121

Code F

Prerequisite or Parallel: ENG E101.*

A survey of the visual arts from Paleolithic cave paintings through the art of Europe in the thirteenth century. The course will cover outstanding examples of image making and architecture across a wide range of ancient civilizations. A field trip to a major New York museum can be expected.

ART* E102 Art History II

3 ch

Previously: AR 122

Code F

Prerequisite or Parallel: ENG E101.*

A survey of the visual arts from fourteenth century Florence to Paris in the first half of the nineteenth century. Beginning with the innovations of Renaissance humanism, the course will follow the succession of styles that ultimately led to the eclectic revivals of neo-classic art. A field trip to a major New York museum can be expected.

ART* E103 Art History III

3 ch

Previously: AR 123

Code F

Prerequisite or Parallel: ENG E101.*

A survey of the visual arts from the origins of modernism through the art of our own time. In the past 150 years, artists in Europe and America have come up with stylistic innovations at an ever-accelerating pace. This course traces the actions and reactions among artists, critics, and the public as these movements competed for recognition. A field trip to a major New York museum can be expected.

ART* E107 Introduction to Studio Art

3 ch

Previously: AR 100

Code F

Introduces a wide range of art experiences using numerous drawing and painting techniques including pastels, paint, printmaking, mixed-media, and collage. Experiences in visual thinking will help students solve problems in other academic areas. Intended for the non-art majors who wish to gain confidence in their ability to work with art materials.

ART* E109 Color Theory

3 ch

Previously: AR 104

Code F

An examination of color theory and terminology. Studio projects will allow students to develop a sensitivity to color interactions. Advanced projects will combine theory with practical problem solving.

ART* E111 Drawing I

3 ch

Previously: AR 105

Code F

An examination of the fundamentals of drawing. Students will work on the skillful use of line, value distribution, composition, and perspective systems. Drawing as a tool for visual thinking will also be introduced.

ART* E112 Drawing II

3 ch

Previously: AR 106

Code F

Approaches the study of drawing and the improvement of drawing skills with increased opportunities for personal expression in drawings that consider the content of a picture as well as the form.

ART* E113 Figure Drawing I

3 ch

Previously: AR 245

Code F

A drawing course that takes the human figure as its primary theme. Students will analyze the figure for its esthetic and expressive potential. Additional assignments will expand on themes and techniques introduced in Drawing I and II.

ART* E121 Two-Dimensional Design

3 ch

Previously: AR 103

Code F

An exploration of the concepts underlying visual organization in fine art and graphic design. Students will undertake a series of studio projects aimed at uncovering basic design elements, properties, and principles. Experiences in visual thinking will enable students to improve their skill in productive problem solving.

ART* E155 Watercolor I

3 ch

Previously: AR 252

Code F

This course develops skills in the challenging medium of watercolor employing fast-drying transparent paints. A full range of watercolor techniques will be explored from traditional procedures to contemporary experiments.

ART* E157 Acrylic Painting I

3 ch

Previously: AR 250

Code F

An exploration of the particular attributes of acrylics. A full range of acrylic techniques will be explored from traditional procedures to contemporary experiments.

COURSE DESCRIPTIONS

ART* E163 Ceramic Handbuilding 3 ch
Previously: AR 248 Code F

An examination of the physical properties of clay with an emphasis on the development of personal imagery. Students will work with traditional pottery techniques beginning with the coil and slab and extending these experiences to include combinations of media.

ART* E167 Printmaking I 3 ch
Previously: AR 114 Code F

A survey of printmaking techniques including various forms of relief, intaglio, and experimental processes. Students will create editions of their original work using a mechanical press as well as individualized hand printing.

ART* E184 Teaching Children Art 3 ch
Previously: AR 115 Code F

An Art workshop course designed for those who will be teaching or working with children in schools, day care centers, hospitals, community centers, etc. Students will examine various methods of teaching art while working with a wide variety of materials.

ART* E200 History of American Art 3 ch
Previously: AR 240 Code F

Prerequisite or Parallel: ENG E101.*

An exploration of the unique character of American art ranging from the Colonial past through the present day. The course will emphasize the emergence of New York City as a major art center. Works from the Housatonic Museum of Art will be studied and a field trip to New York galleries can be expected.

ART* E203 Introduction to African Art 3 ch
Previously: AR 241 Code F

Prerequisite: ENG E101.*

An introduction to the art of Africa. The course is intended to develop an understanding of African art on its own terms: its sources and meanings; its cultural and intellectual perspectives; its connections with the larger society and modernism. The course will conclude with a preview of contemporary African art and translations of African art in the visual traditions of blacks in the Diaspora (the Americas and the Caribbean).

ART* E206 Film Study 3 ch
Previously: AR 242 Code F

An exploration of the art of the cinema through analysis of representative dramatic, documentary and experimental films. Among the topics covered are: comparisons between films and other artistic expressions; the major aspects of film style; the nature and importance of film genres; film functions (as art, entertainment, social and political statement, propaganda, education, and experiment).

ART* E209 The Art Museum as Cultural History 3 ch
Code H

An introduction to the cultural history of four New York museums will be presented through a survey of their historical background and collections. Suggested museums are the Metropolitan Museum of Art, The Guggenheim Museum of Art, The Whitney Museum of American Art, and the Museum of Modern Art. There will be four Saturday meetings to be arranged for museum visits. Students will be asked to pay for their own transportation and museum admission.

ART* E235 Sculpture: Modeling and Carving 3 ch
Previously: AR 246 Code F

An investigation into the fundamental processes of making sculpture: building, carving, and modeling. Students will learn the technical skills required for working with traditional material.

ART* E243 Studio Photography I 3 ch
Previously: AR 212 Code F

Prerequisite: ENG E101 or permission of the instructor.*

Fundamentals of camera operation and darkroom procedures. Study of photography as a fine art and as a means of communication. Students must provide their own 35mm manually adjustable camera, film, paper, and developing supplies.

ART* E244 Studio Photography II 3 ch
Previously: AR 222 Code F

Prerequisite: ART E243.*

Advanced study of photographic aesthetics, printing techniques, and the history of photography.

ART* E250 Digital Photography 3 ch
Previously: AR 210 Code F

Prerequisite: ENG E101 or permission of the instructor.*

Fundamentals of digital camera operation and digital darkroom procedures. This course will study digital photography as a fine art and as a means of communication. Students will supply their own digital cameras, photo quality paper, and other supplies.

ART* E253 Oil Painting I 3 ch
Previously: AR 251 Code F

A course to develop skills in oil painting through a variety of studio projects. The various techniques of oils from transparent applications to impasto effects are included, and a study of the masters will be compared with contemporary developments.

ART* E290 Portfolio Preparation I 1 ch
Previously: AR 261

Prerequisite: Matriculation in one of the following programs: Fine Arts - Art, Graphic Design, Graphic Design (computer Graphics Option), Graphic Design Certificate; permission of the art coordinator.

Under the supervision of an Art faculty advisor or the art program coordinator, students will prepare a portfolio that represents their cumulative achievement in their particular art program. The contents of the portfolio will vary according to the needs of the students, for example, transfer to a four-year art program or preparation for an employment interview.

ART* E299 Independent Study 3 ch
Previously: AR 260 Code F

A limited number of students will have an opportunity to pursue with greater depth studio or research projects of particular individual interest. All independent projects must be arranged in the semester prior to registration, with advance departmental approval and with the supervision of one of the full-time Art faculty members.

GRA* E111 Introduction to Computer Graphics 3 ch

Previously: AR 225 Code C
Prerequisite or Parallel: ENG E101.*

An introduction to computer graphics using Macintosh computers and professional software. Students learn the basic skills necessary to use the computer as a problem-solving tool in the graphics environment. Such skills include organizing digital files, proper scanning techniques, and an overview of the Mac Operating System. This course is an introduction to software programs including Adobe Photoshop, QuarkXPress, and Adobe Illustrator. Students will use the tools necessary for creating images ranging from abstract compositions to complex layouts that integrate color, images, and text.

GRA* E151 Graphic Design 3 ch

Previously: AR 237
*Prerequisite or Parallel: ART*121 or permission of the instructor.*

A study of graphic design and typography. Students will take an idea from rough layout to tight composition. Typography problems will emphasize the use of letter forms as elements of visual design and expressive potential.

GRA* E221 Illustration I 3 ch

Previously: AR 238

A course intended primarily for graphic design students to introduce the techniques currently used by commercial artists to render quick illustrations and layouts. The course will emphasize the use of a variety of markers while also introducing pen and colored pencil techniques. Students will learn to produce mock-ups or finished illustrations that have a variety of commercial art applications such as advertisement, product rendering, fashion design, and storyboards.

GRA* E230 Digital Imaging I 3 ch

Previously: AR 229 Code C
Prerequisite: GRA E111.*

An exploration of two applications; Adobe Photoshop and Illustrator. These programs enable designers to create and manipulate digital images and incorporate them into publications quickly and easily. Students explore in depth the capabilities of the programs through demonstrations and assignments. Adobe Photoshop allows designers to perform extremely sophisticated digital manipulation of scanned photographic images. Using Photoshop, graphic artists can retouch, modify, clone, and paint scanned photographs. With Adobe Illustrator, students learn the skills needed to create illustrations electronically, to manipulate images with ease, and to combine digital images with

GRA* E241 Digital Page Design 3 ch

Previously: AR 226 Code C
Prerequisite: GRA E111, ART* E121, and ENG* E101.*

An exploration of desktop publishing and page layout programs that enable designers to execute fine control over type and graphic placement. QuarkXPress has become the industry standard among design professionals who use Macintosh computers for desktop publishing. Adobe has introduced InDesign that has many of the features and capabilities of QuarkXPress as well as the familiarity of Adobe tools and palettes. Students will acquire the knowledge and practical experience necessary to use these programs effectively in a production environment.

GRA* E255 Digital Pre-Press I (Pre-Press Production) 3 ch

Previously: AR 255 Code C
Prerequisite: ARE 226 and AR E229.

An exploration of the electronic pre-press production which has become an industry standard in digital publications. Many printers require that production-ready materials be sent in digital format. The crucial element in production success is properly prepared files. In this course, students will gain an in-depth understanding of issues that printers encounter when working with color images and text. Topics include trapping, registration, continuous color correction, file preparation, and color separation. This course also emphasizes the use of clear communication of production issues and the limitations that constrain pre-press vendors.

GRA* E261 Web Design 3 ch

Previously: AR 234 Code C
Prerequisite: ENG E101 and ART* E121 and GRA* E230.*

An introduction to the concepts of professional web site design using Macromedia Dreamweaver and Flash. Utilizing sophisticated web page creation software, tables and frames can be added to web pages along with PDFs, QuickTime and Shockwave files, creating dynamic web sites. Students will create a web site by combining skills acquired in previous computer graphics courses and with this software and simple HTML.

GRA* E271 Computer Animation 3 ch

Previously: AR 235 Code C
Prerequisite: ENG E101 and ART* E121 and GRA* E230.*

An introduction to creating animation presentations as they apply to the digital environment as well as traditional skills such as storyboarding and script preparation. The software used is Macromedia Flash. Flash is the most widely used animation tool for interactive media and has become an essential tool for web designers. Other software programs that may be considered are Macromedia Director and Adobe Photoshop.

BIOLOGY

BIO* E105 Introduction to Biology 4 ch

Previously: BI 107 Code S
Prerequisite: Satisfactory score on placement exam or a grade of "C" or higher in ENG E043.*

A study of the characteristics of life, the processes living organisms use to sustain life and the way in which they pass information to future generations. The adaptations of humans are explored and compared with those of other organisms. Classification is presented to gain an appreciation of the unity and diversity of life. 3 hours lecture and 3 hours laboratory.

BIO* E111 Introduction to Nutrition 3 ch

Previously: HE 101 Code S

An introduction to the fundamental principles of the new nutrition. The major and minor nutrients are discussed in relationship to energy, growth, and metabolism. The dietary requirements of children, adolescents, adults, and the elderly, as well as those of athletes and vegetarians, will be considered.

COURSE DESCRIPTIONS

BIO* E115 Human Biology 4 ch
Previously: BI 112 Code S
*Prerequisite: One year of high school biology within the last 5 years or BIO*105 or BIO* E121.*

A survey of the structure and function of human systems both in health and disease. Various organ systems and their inter-relationships will be studied including: skeletal, muscular, cardiovascular, pulmonary and nervous systems. **Note:** This course is not intended for science majors and does not substitute for BIO* E105 as a prerequisite for advanced science courses. 3 hours lecture and 3 hours laboratory.

BIO* E121 General Biology I 4 ch
Previously: BI 121 Code S
Prerequisite or Parallel: ENG E101.*

An introduction to the principles and processes operating in living organisms. The course is designed to serve as the basis for further study in biology: it explores the chemical basis of life, including molecular biology, respiration and photosynthesis; the structure and function of cells; the genetic basis of inheritance; and the evolution of life. Similarities and differences among organisms are also discussed. 3 hours lecture and 3 hours laboratory.

BIO* E122 General Biology II 4 ch
Previously: BI 122 Code S
Prerequisite: BIO E121.*

An introduction to the principles and processes operating in living organisms. The course is designed to serve as the basis for further study in biology. This section of the two-semester sequence explores the anatomy and physiology of organisms in the Kingdoms Monera, Plantae, Fungi, and Animalia. Interactions between organisms and their environments will be discussed. 3 hours lecture and 3 hours laboratory.

BIO* E211 Anatomy & Physiology I 4 ch
Previously: BI 212 Code S
Prerequisite: ENG E101, CHE* E111, and BIO* E105, each with a grade of "C" or higher.*

The first semester of a two semester course. Lecture and laboratory will stress the molecular and cellular theories of body homeostasis. Topics include the structure of cells and tissues and the integumentary, skeletal, muscular and nervous systems with an underlying stress on their chemical functioning. Lab deals with chemical analysis, histology, bone and muscle identification, articulations, and nervous system anatomy. 3 hours of lecture and 3 hours of laboratory.

BIO* E212 Anatomy & Physiology II 4 ch
Previously: BI 213 Code S
Prerequisite: ENG E101 with a grade of "C" or higher and BIO* E211.*

Continuation of Anatomy and Physiology I. Lecture and laboratory will stress the structure and functional aspects of the endocrine, cardiovascular, lymphatic/immune, respiratory, digestive, urinary, and reproductive systems. Metabolism, fluid & electrolyte balance, and development/inheritance are also included. Lab deals with dissection, blood work, urinalysis and metabolism. 3 hours of lecture and 3 hours of laboratory.

BIO* E225 Introduction to Biotechnology 4 ch
Previously: BI 200 Code C, S
Prerequisite: BIO E105 or BIO* E121, or permission of the instructor.*

An introduction to the molecular approaches used to investigate organismal relationships. This course is designed to introduce biotechnology, focusing on lab safety, documentation, molecular and cellular biology, recombinant DNA techniques, and gel electrophoresis. The course also introduces additional topics in human genetics, DNA forensics, AIDS, and patent law. Students will learn the basic biology behind biotechnology, be exposed to laboratory techniques used in biotechnology labs and learn about careers in the biotechnology industry. This course serves as the prerequisite for all biotechnology curricula. 3 hours of lecture and 3 hours of laboratory.

BIO* E235 Microbiology 4 ch
Previously: BI 203 Code S
Prerequisite: ENG E101, CHE* E111, and BIO* E105, each with a grade of "C" or higher.*

The history of microbiology and a survey of microbial life. The bacteria are studied as characteristic prototypes of all microorganisms. These and other microorganisms are discussed, stressing their environment, growth, reproduction, metabolism, and relationship to humans. 3 hours lecture and 3 hours laboratory.

BUSINESS OFFICE TECHNOLOGY

BOT* E111 Keyboarding for Information Processing I 3 ch
Previously: BOT 102 Code B, C
Prerequisite: ENG E043.*

A beginning course in touch keyboarding, emphasizing mastery of the keyboard, and correct alphabetic, numeric, and numeric keypad fingering techniques; centering, memorandums, personal business letters, business letters, tabulations, business reports, and manuscripts. This course is open to all students and is designed for both personal use as well as the first course for the BOT student. Unarranged problem applications and production-timed activities receive major emphasis. Substantial lab time will be required in the computer lab.

BOT* E112 Keyboarding for Information Processing II 3 ch
Previously: BOT 103 Code B, C
Prerequisite or Parallel: ENG E101, Prerequisite: BOT* E111 with a grade of "C" or higher.*

Continued emphasis on keyboarding skills with drills for improvement in technique, speed, and accuracy. Increased emphasis is given on more difficult letters, manuscripts and reports, tables, and legal and medical documents. Unarranged problem applications and production-timed activities receive major emphasis. Open to BOT students. Substantial lab time is required in the computer lab.

BOT* E120 Speedwriting 3 ch

Previously: BOT 104 Code B, C

Prerequisite: ENG E101 and BOT* E111.*

An introductory course in the principles of Speedwriting, includes a mastery of Speedwriting forms and phrases, development of reading and writing Speedwriting material, and simple new matter dictation. This course is designed for both personal use note-taking as well as note-taking in the office.

BOT* E137 Word Processing Applications

3 ch

Previously: BOT 120 Code B, C

Prerequisite: ENG E101 and a grade of "C" or higher in BOT* E111 or permission of the Instructor.*

An introduction to computer literacy, computer applications, concepts, and operations. A software package provides hands-on experience in various models of letters, reports, special forms, and rough drafts. The student will be able to create, edit, manipulate, and print documents leading to entry level skills in Windows-based computer software package. Substantial laboratory time is required in the computer lab.

BOT* E138 Word Processing (Advanced)

3 ch

Previously: BOT 210 Code B, C

Prerequisite: BOT E112, BOT* E210 and BOT* E215**

A study of pagination, hyphenation, global search and replace, command operations, merge functions, column printing and format change. Substantial laboratory time is required for successful completion of the hands-on experiences. This course can only be taken if the BOT*215 course used the same software package.

*Special students require permission of the instructor.

BOT* E210 Computerized Office Applications 3 ch

Previously: BOT 223 Code B, C

Prerequisite: BOT E111 with a grade of "C" or higher and either BOT* E137 or BOT* E215.*

Continued emphasis on developing advanced applications using computer-generated office simulations used in business/industry. Emphasis will be placed on the advanced skills in word processing and integrating spreadsheet applications, data base management procedures, presentation software, graphics, Publisher desktop publishing and other new software applications as they become part of the mix.

BOT* E215 Word Processing Applications II

3 ch

Previously: BOT 218 Code B, C

Prerequisites: ENG E101, BOT* E112, BOT* E137 AND BOT* E210 or permission of the instructor.*

Offers an in-depth opportunity to explore a variety of word processing software packages. Programs will be varied by semester and by instructor's specialty. Among the special topics alternating by semester are: Word, WordPerfect, and other major word processing software packages. This course may be taken for credit twice using different software. Completion will qualify the student to work in an entry-level word processing position. Substantial laboratory time is required each week.

BOT* E217 Desktop Publishing 3 ch

Previously: BOT 220 Code B, C

Prerequisite: BOT E112 and BOT* E137 or BOT* E215 or permission of the instructor.**

A course designed for students who desire some familiarity with desktop publishing processes through a hands-on approach. Students will be introduced to a desktop publishing software package such as PageMaker or others used in producing newsletters, reports, graphics, style sheets and master pages, special effects and scanned images. Substantial laboratory time is required each week.

*Special students require permission of the instructor.

BOT* E240 Machine Transcription 3 ch

Previously: BOT 216 Code B, C

Prerequisite: BOT E112 and BOT* E137 and BOT* E215.*

Development of competence in the operation of the transcription machine. Included will be language arts review; machine transcription techniques; material preview by listening to items; use of rough drafts; first-time final copy; and production skill development. Substantial laboratory time is required each week.

BOT* E251 Administrative Procedures 3 ch

Previously: BOT 212 Code B, C

Prerequisite: ENG E101 and BOT* E112 or permission of the instructor.*

An investigation into office automation designed to give a perspective to the role of the college-trained administrative assistant. Development of office skills and problem-solving techniques are explored. Included are human relations skills, time-management techniques, interpersonal communications skills, timings, resumes, cover letters, and listening skills as well as decision-making competencies. Techniques used in applying for a job and a review of the employment process utilize role-model processes. Other models may be included as technology changes. Substantial laboratory time is required each week.

BOT* E260 Administrative Management 3 ch

Previously: BOT 205 Code B

Prerequisite or Parallel: ENG E101.*

An introductory course that will address the broad areas of administrative office management. It is designed to assist the student in forming a basic philosophy of the administrative office manager and to assist in developing skills in managerial decision making, and to create a desire to choose administrative office management as a career.

BOT* E262 Help Desk Applications 3 ch

Previously: BOT 221 Code B, C

Prerequisite: BOT E112, BOT* E215 and BOT* E210.*

An overview of the topics relevant to working at a Help Desk. Students will develop business, technical, and people skills that contribute to supporting customer service to clients and providing technical support to employees.

COURSE DESCRIPTIONS

BUSINESS: ENTREPRENEURSHIP

BES* E118 Small Business Management

3 ch

Previously: BU 103

Code B

Prerequisite or Parallel: ENG E043 or permission of the instructor.*

A study of the principles, advantages and problems of owning or operating a small business, including qualifications, choosing a location, capital, merchandising, control, credit, and promotion. Business Department majors cannot use both BBG* E101 and BES* E118 to satisfy graduation requirements.

BES* E218 Entrepreneurship

3 ch

Previously: BU 216

Code B

Prerequisite: ENG E101 and BES* E118 or permission of the instructor.*

An exploration of the entrepreneurial and franchising process, addressing the skills, concepts, mental attitudes, and knowledge relevant for creating, building, and operating new business ventures. Attention will be given to examining new venture opportunities, strategies, entrepreneurial profiles, resource recognition, allocation and development, capital acquisition, and post start-up strategies. Major emphasis will be placed on creative development of individual business plans incorporating computer applications.

BUSINESS: FINANCE

BFN* E125 Principles of Banking

3 ch

Previously: BU 125

Code B

*Prerequisite: ENG*101 or permission of the instructor.*

An overview of the banking industry. Topics include the language and documents of banking, check processing, teller functions, deposit functions and the role of the bank in the community.

BFN* E201 Principles of Finance

3 ch

Previously: BU 215

Code B

Prerequisite: ENG E101 and ACC* E113 with a grade of "C" or higher, or permission of the instructor.*

A study of the fundamental principles and concepts of finance. Topics include the basic concepts of financial statement analysis, time value of money, valuation, risk and return, cost of capital, capital budgeting, financial leverage, short-term financing, the structure of financial statements, cash budgeting, and an introduction to financial markets.

BFN* E203 Investment Principles

3 ch

Previously: BU 223

Code B

Prerequisite: BFN E201 with a grade of "C" or higher or permission of instructor.*

A study of the fundamental principles and concepts of analysis and an evaluation of a variety of financial investments with emphasis on common stocks and bonds. The working of capital markets and the determination of interest rates will also be covered.

BFN* E211 Money & Banking

3 ch

Previously: BU 227, ECN*E250

Code B

Prerequisite: BFN E201 or ECN* E101, either course with a grade of "C" or higher.*

A study of the key concepts, theories and interrelationships that link money and banking to the U.S. economy. The focus is on the background of banking, basic banking principles, monetary theory and the role of the Federal Reserve System, and the concepts and tools of monetary and fiscal policy. The structure and characteristics of financial markets are also covered.

BFN* E213 Banking & Capital Markets

3 ch

Previously: BU 228

Code B

Prerequisite: ENG E101 and MAT* E103 and BFN* E125.*

A study of a broad range of banking financial instruments including loans, savings and time deposits, and other banking documents.

BFN* E221 Non-Profit Management

3 ch

Previously: BU 217

Financial

Code B

Prerequisite: ACC E113 and ENG* E101 or permission of the instructor.*

An examination of the finance function in the non-profit sector. Concepts and principles of finance are applied to the unique problems and opportunities of the non-profit organization and its stakeholders. Topics include characteristics of non-profits, non-profit financial and managerial accounting, financial planning and forecasting, budgeting, short- and long-term financing, and management of financial resources.

BFN* E225 Health Care Financial Management

3 ch

Previously: BU 233

Code B

Prerequisite: ENG E101 and BFN* E201 or permission of the instructor.*

An in-depth analysis and application of financial management concepts and principles with a special focus on applications unique to the health care industry.

BFN* E235 International Finance

3 ch

Previously: BU 242

Code B

Prerequisite or Parallel: BFN E201.*

The international dimensions of finance. Topics include the international monetary system, foreign exchange markets, management of foreign exchange exposure and political risk, the financing of international trade, international financial markets, and capital budgeting techniques. This course builds upon the valuation methods developed in the prerequisite course in Finance.

BUSINESS: GENERAL

BBG* E101 Introduction to Business 3 ch
Previously: BU 110 Code B
Prerequisite or Parallel: ENG E043 or permission of the instructor.*

A survey of business problems, practices and procedures. Topics include problems of organization, management, labor, marketing, and finance. Business Department majors cannot use both BBG* E101 and BES* E118 to satisfy graduation requirements.

BBG* E120 Introduction to Health Systems Management 3 ch
Previously: BU 116 Code B
Prerequisite: ENG E101 or permission of the instructor.*

An introduction to basic concepts, principles, and practices associated with the healthcare delivery system in the United States. The course will examine how this system is organized, and discuss major issues related to the provision of health care from both a business and social science perspective. Emphasis will be placed on understanding the components and features of the healthcare delivery system in the United States as it is developed and applied through a managed care organizational framework.

BBG* E210 Business Communication 3 ch
Previously: BU 211 Code B
Prerequisite: ENG E102 and sophomore standing.*

A study of the basic concepts and applications of the communication process, especially as they relate to business situations and behavior. Emphasis is on strengthening abilities in listening, thinking, speaking, writing, and communicating non-verbally.

BBG* E215 Global Business 3 ch
Previously: BU 140 Code B
Prerequisite: ENG E101 or permission of the instructor.*

A survey course designed to analyze international trade data and identify major trading groups, their predominant trading partners, their economic status, categories of products traded, and to describe the importance of social, cultural, economic, political, religious, and legal environments in international trade. The course will focus on the importance of the Pacific Rim, EEC, and the East Coast within the scope of worldwide trade, including both trade agreements and trade issues among various countries.

BBG* E231 Business Law I 3 ch
Previously: BU 221 Code B
Prerequisite or Parallel: ENG E102.*

An examination of fundamental legal principles and their application to business transactions. A brief survey of the sources, functions and objectives of our law, together with a capsule presentation of the Federal and Connecticut court systems and procedure. Criminal law and torts law precedes a detailed study of the law of contracts and sales including the relevant sections of the Uniform Commercial Code.

BBG* E232 Business Law II 3 ch
Previously: BU 222 Code B
Prerequisite: BBG E231 or permission of the instructor.*

A continuation of BBG* E231, emphasizing the law of agency, partnership and corporations, followed by an analysis of personal property, real property and security law.

BBG* E240 Business Ethics 3 ch
Previously: BU 206 Code B
Prerequisite: ENG E101 or permission of the instructor.*

A study of business from a personal and social perspective. The course concentrates on assessing how business affects our individual lives, and what role business and its values play in our society as a whole. Ethical issues in business theory and practice will be analyzed including such topics as morality, quality of life, codes of ethics, obligations to stakeholders, rewards and responsibilities, whistle-blowing, company loyalty, attitudes toward work, the values of capitalism, and attitudes toward people living and working around us in society.

BBG* E271 Basics in Importing 3 ch
Previously: BU 243 Code B
Prerequisite or Parallel: ENG E101 or permission of the instructor.*

This course will identify important strategies in planning the importing business; design a plan for setting up an import business, and assess the import potential of a given product or service in conjunction with import regulations and documentation.

BBG* E272 Export Documentation 3 ch
Previously: BU 244 Code B
Prerequisite: ENG E102.*

A general review of issues that students need to understand so that they can become effective in the exporting arena. Topics covered include: balance of payments, world investments, cultural involvement, political environment, financial, marketing, and operations management techniques, and export documentation forms required for customs.

BBG* E281 Writing and Research for Business and Industry 3 ch
Code B
Prerequisites: BBG E101 and ENG* E101, each with a grade of "C" or higher.*

This course emphasizes the aspects of research gathering, structured writing, and organizing written reports and oral presentations applicable to business and industry. Students will demonstrate the processes and procedures required for the business technical writing in the fields of science, technology, and business.

BBG* E295 CO-OP Work Experience I 3 ch
Previously: BU 231 Code B

Consists of paid employment with a cooperating business concern previously approved of by the College. Employment will be limited to a minimum of fifteen hours and a maximum of twenty hours per week. The student's employment will be in the area of his/her business major. Note: Students intending to register for this course must have the prior approval of the Chairperson of the Business Department.

COURSE DESCRIPTIONS

BBG* E296 CO-OP Work Experience II 3 ch

Previously: BU 232 Code B

Consists of paid employment with a cooperating business concern previously approved of by the College. Employment will be limited to a minimum of fifteen hours and a maximum of twenty hours per week. The student's employment will be in the area of his/her business major. **Note:** Students intending to register for this course must have the prior approval of the Chairperson of the Business Department.

BBG* E299 Independent Study in Business

3 ch

Previously: BU 225 Code B

Students will have an opportunity to pursue with greater depth a subject area of particular individual interest. All independent projects must be arranged in the semester prior to registration with advanced departmental approval and with the supervision of one of the full-time Business faculty.

BUSINESS: MANAGEMENT

BMG* E202 Principles of Management 3 ch

Previously: BU 209 Code B

Prerequisite: ENG* E101 or permission of the instructor.

An introductory course in management principles, theories and practices. Management is viewed as a discipline and as a process. The scope of the course includes planning, decision-making, organizing, leading, and controlling. Basic management concepts will be applied in solving problems in organizations. Cases are used extensively to illustrate principles.

BMG* E203 Leadership 3 ch

Previously: BU 207 Code B

Prerequisite: ENG* E101 or permission of the instructor.

An in-depth examination of the nature and importance of leadership concepts and principles as applied to organizational effectiveness. Competent leadership is required to meet organizational challenges in a rapidly changing, globally competitive world. Leadership research findings, practice, and skills are emphasized in light of modern theories and applications. Cases and skill development exercises will be used extensively.

BMG* E220 Human Resources Management

3 ch

Previously: BU 208 Code B

Prerequisite: ENG* E101 or permission of the instructor.

An objective analysis of functions involved in the administration of human relations in organizations. Topics include principles of organization, processes, systems and methods used in the selection, training and recruitment of the work force; motivation and communications; compensation and fringe benefits and approaches used in maintaining good industrial relations.

BMG* E226 Negotiation 3 ch

Previously: BU 226 Code B

Prerequisite: ENG* E101 or permission of the instructor.

An in-depth examination of the nature and importance of negotiation concepts and principles as applied to organizational effectiveness. Competent negotiation skills are required to meet organizational challenges in a rapidly changing, globally competitive world. Negotiation fundamentals, sub-processes, contexts, and remedies are emphasized in light of modern theories and applications. Cases and skill development exercises will be used extensively.

BMG* E234 Strategic Health Care Management 3 ch

Previously: BU 234 Code B

Prerequisite: ENG* E101 and BBG* E120, or permission of the instructor.

An in-depth analysis and application of strategic management concepts and principles with a special focus on the health care industry. Case analysis is used extensively. Students are required to present a comprehensive strategic plan for a health care organization.

BMG* E285 Current Issues in Management

3 ch

Previously: BU 218 Code B

Prerequisite: BMG* E202.

A continuation of BMG* E202 with emphasis on management topics extending beyond the basic principles. Current issues and the latest developments in the field will be covered. Cases and single problems will be analyzed and presented by both individuals and groups.

BUSINESS: MARKETING

BMK* E103 Principles of Retailing 3 ch

Previously: BU 113 Code B

Prerequisite: ENG* E043 or permission of the instructor.

A review of retailing practices and procedures. Retail management methods are studied, along with retail store location and layout, equipment, display, advertising, personnel policies, maintenance, inventory, and cost control.

BMK* E106 Principles of Selling 3 ch

Previously: BU 104 Code B

An examination of various philosophies of selling. Topics include communication and persuasion, selling strategies and techniques, self-management skills, planning, behavioral styles, and market-client analysis. Students develop and role-play sales presentations as a major part of the course work.

BMK* E118 Non-Profit Marketing 3 ch

Previously: BU 112 Code B

Prerequisite: ENG E043 or permission of the instructor.*

An examination of the marketing function in the non-profit sector. Concepts and principles of marketing are applied to the unique problems and opportunities of the non-profit organization and its stake-holders. Topics include developing a customer orientation, strategic planning and organization, developing and organizing resources, designing the marketing mix, and controlling marketing strategies.

BMK* E123 Principles of Customer Service

3 ch

Previously: BU 114 Code B

Prerequisite: ENG E043 or permission of the instructor.*

An in-depth examination of the role of customer service in creating and recreating satisfied customers. Concepts and principles are examined as applied to organizational challenges encountered in a rapidly changing, globally competitive world. Topics covered include strategy, communications, challenging customers, leadership, customer retention and excellence in customer service. Practical applications and skills are emphasized in light of modern theories and applications. Cases and skill development exercises will be used.

BMK* E201 Principles of Marketing 3 ch

Previously: BU 111 Code B

Prerequisite or Parallel: ENG E043 or permission of the instructor.*

A study of the scope and significance of marketing in contemporary American business with emphasis on marketing consumer goods and developing the essential elements of the marketing mix (product, price, distribution, and promotion).

BMK* E205 Business to Business Marketing

3 ch

Previously: BU 239 Code B

Prerequisite: ENG E101 or permission of the instructor.*

Exploration of marketing concepts as they relate to the field of business to business marketing. Major topics include business marketing environmental analysis, the organizational buying process, assessing business marketing opportunities, formulation of business marketing strategies, business marketing mix development, implementation, and evaluation. Student teams develop and present a business to business marketing plan.

BMK* E207 Consumer Behavior 3 ch

Previously: BU 238 Code B

Prerequisite: ENG E101 or permission of the instructor.*

An examination of consumer behavior as a function of the overall marketing plan. Concepts from the social and behavioral sciences are applied to describing and understanding consumer decision processes. Topics include psychological core foundations, decision making processes, consumer's culture, and consumer behavior

BMK* E214 International Marketing 3 ch

Previously: BU 240 Code B

Prerequisite: BMK E201.*

Exploration of marketing concepts as they relate to the field of international marketing. Major topics include international environmental analysis (culture, law, governments), formulation of international marketing strategies, marketing mix development and implementation. Student teams develop and present an international marketing plan.

BMK* E241 Principles of Advertising 3 ch

Previously: BU 120 Code B

Prerequisite: BMK E201 or permission of the instructor.*

An exploration of the principles and applications of advertising. Topics include advertising, research, planning, ad creation, media planning and campaign implementation. Student teams conceive, produce and integrate all the components necessary for an advertising campaign as a major part of the coursework.

CHEMISTRY

CHE* E111 Concepts of Chemistry 4 ch

Previously: CH 110 Code S

Prerequisite: MAT E137 and ENG* E101, both with a grade of "C" or higher.*

Introduction to the fundamental principles and concepts of chemistry. Atomic structure, periodic relationships, bonding, kinetics and equilibria are examined in sufficient depth to permit their use in understanding chemical reactions though in less detail than in CHE* E121 and CHE* 122. The laboratory program stresses the acquisition of skills in data gathering and in the manipulation of apparatus and materials. 3 hours lecture and 3 hours laboratory.

CHE* E112 Principles of Organic & Biochemistry 4 ch

Previously: CH 111 Code S

Prerequisite: CHE E111 and ENG* E101, both with a grade of "C" or higher.*

A continuation of CHE* 111 with emphasis on the qualitative and quantitative analysis of inorganic and organic materials. Instrumental methods of analysis will be stressed with emphasis on pH meters, spectrophotometers, and other instruments commonly employed in the modern laboratory. Chromatographic techniques will be employed in the separation and identification of a variety of substances. 3 hours of lecture and 3 hours of laboratory.

CHE* E121 General Chemistry I 4 ch

Previously: CH 121 Code S

Prerequisite: MAT E137 or equivalent; Prerequisite or Parallel: ENG* E101.*

A study of the fundamental principles, theories, and laws of chemistry. Topics include atomic theory and the structure of the atom, the aggregated states of matter, kinetic-molecular theory, chemical bonding, stoichiometry and periodicity, solutions and colloids. 3 hours of lecture and 3 hours of laboratory.

COURSE DESCRIPTIONS

CHE* E122 General Chemistry II 4 ch

Previously: CH 122 Code S

Prerequisite: CHE E121.*

A continuation of CHE* E121. Topics covered include thermochemistry, kinetics, chemical equilibrium, oxidation-reduction and electrochemistry, introduction to organic and nuclear chemistry and the chemistry of the elements and their compounds. The laboratory will include an introduction to semi-micro qualitative analysis. 3 hours of lecture and 3 hours of laboratory.

CHE* E211 Organic Chemistry I 4 ch

Previously: CH 201 Code S

Prerequisite: CHE E112 or CHE* E122.*

An introduction to the organic chemistry of carbon. Primarily for students planning careers in the life and allied health sciences or a major in chemistry. The lectures will present an integrated analysis of the theoretical concepts and mechanisms of modern organic chemistry, organic reactions, synthetic methods, and instrumentation. Preparation properties and reactions of most of the major classes of aliphatic, aromatic, and heterocyclic compounds will be discussed along with the more important living and non-living systems in which they function. The laboratory work will develop competence in the modern aspects of preparative and qualitative organic technique. 3 hours of lecture and 4 hours of laboratory.

CHE* E212 Organic Chemistry II 4 ch

Previously: CH 202 Code S

Prerequisite: CHE E211.*

A continuation of CHE* E211. 3 hours of lecture and 4 hours of laboratory.

CHE* E220 Biochemistry 4 ch

Previously: CH 206 Code S

Prerequisite: CHE E122 or CHE* E112 and BIO* E105 or BIO* E121, each with a grade of "C" or higher.*

Study of carbohydrates, lipids, proteins, enzymes, hormones, and vitamins in body fluids and the metabolic processes of the human. Laboratory work will be integrated with lecture topics and will emphasize quantitative aspects of biochemical analysis.

CLINICAL LABORATORY TECHNOLOGY

CLT* E101 Introduction to Clinical Laboratory Technology I 2 ch

Previously: CLS 101

An orientation to the laboratory provided by weekly seminars which present the basic knowledge necessary for laboratory work. The course consists of lectures by college and other laboratory professionals, demonstrations, and field trips to laboratories.

CLT* E102 Introduction to Clinical Laboratory Technology II 2 ch

Previously: CLS 102

Prerequisite: CLT E101.*

A continuation of CLT* E101 with emphasis on topics relevant to foundation knowledge and those specialized techniques required prior to entry into laboratory practicum. Restricted to Clinical Laboratory Technology majors.

CLT* E110 Introduction to Phlebotomy 4 ch

Previously: CLS 110

Prerequisite or Parallel: ENG E101.*

Designed to prepare students in the theory of phlebotomy. Classroom work includes lectures and laboratory. Major topics include: coverage of job responsibilities, health professional/patient interactions, medical/laboratory terminology, anatomy & physiology of the vascular system, and principles & techniques of venipuncture and skin puncture.

CLT* E201 Laboratory Practicum I 4 ch

Previously: CLS 201 Code C

Prerequisite: CLT E102.*

Practicum experiences at one of the College laboratory affiliates in which the student acquires knowledge and experience in laboratory practices and procedures. Restricted to Clinical Laboratory Technology majors.

CLT* E202 Laboratory Practicum II 4 ch

Previously: CLS 202 Code C

Prerequisite: CLT E201.*

Continues the practicum experiences in a clinical laboratory. Restricted to Clinical Laboratory Technology majors.

CLT* E203 Laboratory Practicum III 4 ch

Previously: CLS 203 Code C

Prerequisite: CLT E202.*

Continues the practicum experience in a clinical laboratory. Restricted to Clinical Laboratory Technology majors.

CLT* E204 Clinical Laboratory Seminar I 3 ch

Previously: CLS 204

Prerequisite: CLT E102.*

A highly specialized course which consists of daily lectures in clinical laboratory technology, the diagnosis of disease by laboratory methods. The seminar provides the formal theory for the experiences gained during the laboratory practicum. Emphasis on diagnostic microbiology, hematology and coagulation. Restricted to Clinical Laboratory Technology majors.

CLT* E205 Clinical Laboratory Seminar II 3 ch

Previously: CLS 205
Prerequisite: CLT E204.*

Continuation of specialized lectures in clinical laboratory technology. Emphasis on clinical chemistry, clinical immunology/serology, body fluids and urinalysis, and immunohematology. Restricted to Clinical Laboratory Technology majors.

CLT* E212 Molecular Biotechniques 4 ch

Previously: CLS 212
Prerequisite: CHE E112; BIO* E121, BIO* E211 and BIO* E235; and CLT* E102.*

A course designed to introduce molecular biology techniques such as plasmid and chromosomal DNA isolation, restriction enzyme mapping, agarose gel electrophoresis, and manipulation of DNA fragments. Laboratory time required. Restricted to students with Biotechnology option.

CLT* E213 Biotechnology Laboratory Seminar 3 ch

Previously: CLS 213
Prerequisite: CLT E201 and CLT* E212.*

A seminar consisting of lectures, guest speakers, and student presentations correlating practicum experience with practical and professional issues in biotechnology. Restricted to students with Biotechnology option.

COMMUNICATIONS

COM* E101 Introduction to Mass Communications 3 ch

Previously: CM 101
Prerequisite or Parallel: ENG E101.*

Introduction to the main aspects of communications and how the mass media - newspapers, films, television, magazines, radio, and advertising - operate in our society. Material covered includes basic theories of mass communications, psychology of communications, development of mass media, and the interrelationships between the mass media and society, business, and government in defining issues and molding public opinion and attitudes.

COM* E103 Broadcasting Theory 3 ch

Previously: CM 103

An examination of the influence which radio has on the thinking and behavior of society. This course will stress the discipline of critical and discriminating listening and the various kinds of performances and skills employed by the performer. May not be used to satisfy an English requirement. Not offered every semester.

COM* E116 Publications Workshop I 3 ch
Previously: CM 116 Code C

Prerequisite or Parallel: ENG E101.*

Practical experience in all aspects of writing, editing, managing, and designing through assignments on a variety of student-sponsored publications. Included will be work on the school newspaper, yearbook and literary magazine. This course uses computer word processing programs for the completion of assignments and production of publications.

COM* E173 Public Speaking 3 ch

Previously: CM 201
Prerequisite: ENG E101.*

Methods to improve effective speaking through study of pronunciation, diction, voice usage, and vocabulary. Through extemporaneous and other talks, efforts will be made to improve confidence, organization of ideas, and effective delivery. Topics might include listening skills, control of nervousness, and the speaker's self-

COM* E201 Introduction to Public Relations 3 ch

Previously: CM 202
Prerequisite: ENG E101.*

An overview of writing for public relations. Students will gain experience producing public relations materials such as news releases for print and broadcast media, newsletters, brochures, and materials for special events. The role of public relations planning and strategy will be discussed.

COM* E215 Publications Workshop II 3 ch
Previously: CM 217 Code C

Prerequisite: COM E116 or permission of the instructor.*

Designed to provide the student with broader publication experience and responsibility. These publications may include a school newspaper, a literary magazine, a yearbook, or other needed school publications. Students will learn such publication skills as feature writing, editorial writing, composition, layout, and sales. This course uses computer word processing programs for the completion of assignments and production of publications.

COM* E222 Basic News Writing 3 ch
Previously: CM 206 Code C

Prerequisite: ENG E101.*

Instruction and practice in developing news articles, including defining news, gathering information from credible sources, recognizing and writing in basic news story structure and styles, and making ethical choices as a reporter. Assignments are completed using computers. This course satisfies the computer literacy requirement of the college, but it may not be used to satisfy the English requirement.

COURSE DESCRIPTIONS

COM* E223 Feature and Magazine Writing

3 ch

Previously: CM 207

Code C

Prerequisite: COM E222 or permission of the instructor.*

Review of basic information gathering, interviewing, and news writing techniques. Instruction and practice in feature reporting and writing, including in-depth and investigative features, opinion pieces, reviews, creative non-fiction, and writings for the online media. Assignments are completed using computers. This course satisfies the computer literacy requirement of the college, but it may not be used to satisfy the English requirement.

COMPUTERS: APPLICATIONS

CSA* E106 Introduction to Computer Applications

4 ch

Previously: CS 105

Code B, C

Prerequisite or Parallel: ENG E043. Basic computer touch-typing skills required.*

An introduction to using the microcomputer as a productivity tool. Students will use application software for word processing, spreadsheets and databases. A comprehensive introduction to Windows will be presented along with the essentials of file management. Substantial hands-on work with PCs will be required in the computer lab.

CSA* E135 Spreadsheet Applications

3 ch

Previously: CS 203

Code B, C

Prerequisite: CSA E106 or BOT* E210 or permission of the instructor. Basic computer touch-typing skills required.*

Designed to give students exposure to an important microcomputer software tool which can solve a wide range of personal, educational, and business applications in such areas as taxes, budgeting, accounting, personnel, sales, and record-keeping. Students will be thoroughly exposed to spreadsheet concepts and applications. Substantial hands-on work with microcomputers will be required in the computer lab.

CSA* E145 Database Management

3 ch

Previously: CS 205

Code B, C

Prerequisite: CSA E106 or BOT* E210 or permission of the instructor. Basic computer touch-typing skills required.*

Familiarizes students with basic models and capabilities of current database packages available for computers. Students will be guided through the implementation of database applications in the computer lab. Substantial hands-on work will be required in the computer lab using a current database language.

CSA* E153 Introduction to PowerPoint for Windows

3 ch

Previously: CS 112

Code B, C

Prerequisite: BOT E210 or CSA* E106. Basic computer touch-typing skills required.*

A study of the basics of this business graphics and presentation package. This course will cover identifying and using presentation icons and terminology; creating, moving, and sizing graphs, lines, and text; adding color; creating a slide master; changing font size; adding clip art and graphics; creating note and handout pages; and printing hard copies of the presentation. Substantial lab time is required. Special students require instructor's permission.

CSA* E163 The Internet

3 ch

Previously: CS 102

Code B, C

Prerequisite: Satisfaction of the Computer Fundamentals Requirement.

An introduction to the technology of the Internet in which students will learn to use and analyze a web browser, e-mail, various search engines, develop web pages and transfer files across the Internet.

CSA* E205 Advanced Applications

3 ch

Previously: CS 230

Code B, C

Prerequisite: BOT E111 or BOT* E112, CSA* E106 or BOT* E137 and BOT* E215 or permission of the instructor. Basic computer touch-typing skills required.*

A course designed for the student who has already been exposed to a basic MS word processing class and wants to learn MS Office's four major applications: Word, Excel, PowerPoint, and Access. This course incorporates Object Linking and Embedding which will enable the student to combine data from multiple applications into a single document. Substantial computer lab time is required. The student can elect to take the course for either Business Office Technology or Computer Science credit depending on their program.

CSA* E220 Web Graphics

3 ch

Previously: CS 118

Code B, C

A comprehensive introduction to the principles of computer science that form the basis of Internet graphics and multimedia. Topics include bitmap graphics, vector graphics, graphical file formats, compression techniques, interactive graphics, multimedia, and animation. The course requires substantial hands-on use of computer software packages such as Macromedia Fireworks and Macromedia Flash in the computer lab to illustrate these topics.

COMPUTERS: PROGRAMMING

CSC *E105 Programming Logic

3 ch

Code B, C, CS

An introductory course in computer programming designed to provide beginning programming students with an understanding of the fundamental logical principles used in the writing of computer programs. Topics include input/output, variables, data types, assignment statements, conditional structures, loops, arrays, and functions. The course requires substantial hands-on programming of computers in a computerized classroom environment.

CSC* E106 Structured Programming 3 ch

Previously: CS 107 Code C, CS

Prerequisite: MAT E137 or satisfactory score on placement test. Prerequisite or Parallel: ENG* E101.*

An introductory course in computer programming language*. This course is intended for computer science majors. Problem-solving techniques and algorithm development are emphasized. Students are taught how to design, code, debug, and document programs in good style. Topics include: overview of computer organization; conditional statements; loops; top-down design and stepwise refinement; functions; arrays and simple sorting techniques. A minimum of 3 hours per week of lab is required.

*The C Programming Language will be used.

CSC* E107 Structured Programming II 3 ch

Previously: CS 108 Code C, CS

Prerequisite: CSC E106 or CSC* E210.*

Continues the development of programming skills taught in Programming I to the study of advanced programming applications.* Topics include: character data and enumerated data types, arrays and their applications to searching and sorting, pointers and dynamic programming, strings, files, recursion and an introduction to object-oriented programming. A minimum of 3 hours per week of lab is required.

*The C Programming Language will be used.

CSC* E201 COBOL I 3 ch

Previously: CS 211 Code B, C, CS

Prerequisite: Any previous computer programming course approved by instructor or permission of the instructor.

Introduction to the basic elements of the structured COBOL programming through the writing, testing, and debugging of assigned programs. Students will utilize a Text Editor to enter and modify their programs for running on an IBM/OS computer system. Substantial lab work is required.

CSC* E202 COBOL II 3 ch

Previously: CS 212 Code B, C, CS

Prerequisite: CSC E201.*

Continuation of CSC* E201. More complex programming including data editing, sorting, table processing, and file processing. Techniques of structured program design and program debugging will be stressed. Substantial lab work is required.

CSC* E205 Visual Basic I 3 ch

Previously: CS 111 Code B, C, CS, CS

Prerequisite or Parallel: ENG E043.*

Introduces the fundamentals of programming using the BASIC language on microcomputer systems. Topics include input/output, looping, arrays, sorting, and data files, with an emphasis on problem definition, program design, coding, testing, and debugging. Substantial lab work is required.

CSC* E208 Advanced Visual Basic 4 ch

Previously: CS 218 Code B, C, CS

Prerequisite: CSC E205 or permission of the instructor.*

A continuation of CSC* E205 Introduction to Visual Basic. Topics include more complex programming tasks involving advanced language elements, graphics, object-oriented programming, database connectivity, and interaction with the Windows environment. The course requires substantial hands-on use of computers in a computerized classroom environment.

CSC* E210 C Programming 3 ch

Previously: CS 213 Code B, C, CS

Prerequisite: Any previous computer programming course; satisfactory score on the mathematics placement test.

Designed to give students a detailed knowledge of the "C" programming language. Topics include: functions, simple data types, looping, conditional statements, user-defined and enumerated types, arrays, pointers, mathematical functions, string manipulation and advanced data types. Substantial hands-on work will be required in the computer lab.

CSC* E219 Object-Oriented Programming Using Visual Basic.NET 4 ch

Previously: CS 251 Code B, C, CS

Prerequisite: Any previous computer programming language or permission of the instructor.

A comprehensive study of the fundamentals of object-oriented programming using the Visual Basic.NET programming language. Topics include the .NET environment, classes, objects, properties, methods, data structures, inheritance, encapsulation, polymorphism, exception handling, event handling, graphical user interface creation, and database access. The course requires substantial hands-on use of computers in a computerized classroom environment.

CSC* E223 JAVA Programming I 4 ch

Previously: CS 216 Code B, C, CS

Prerequisite: One of the following courses: CSC E201, CSC* E205, CSC* E210, or permission of the instructor. Mathematics placement above MAT* E095.*

A comprehensive study of the fundamentals of object-oriented programming using the Java programming language. Topics include classes, objects, data structures, inheritance, polymorphism, graphics, event handling, components, graphical user interfaces, exception handling, threads, I/O streams, multimedia, and the Java API. The course requires substantial hands-on use of computers in a computerized classroom environment.

CSC* E240 Data Structures 3 ch

Previously: CS 200 Code B, C, CS

Prerequisite: CSC E107 or CSC* E210.*

Continues to develop discipline in program design and style especially as they relate to more complex problems. Topics include: simple data structures: arrays, linklists, queues, stacks, and trees; string processing; and introduction to recursion. Substantial lab work is required.

COURSE DESCRIPTIONS

CSC* E282 Assembly Programming 3 ch

Previously: CS 215 Code B, C, CS

Prerequisite: Any previous computer programming course or permission of the instructor.

Introduction to machine language instructions and the internal architecture of computers and micro-processors. Emphasis is on development of programming skills and efficiency. Substantial lab work is required.

COMPUTERS: TECHNOLOGY

CST* E120 Introduction to Operating Systems 3 ch

Previously: CS 120 Code B, C, CS

Prerequisite or Parallel: CSA E106.*

A comprehensive introduction to concepts and fundamentals of operating system environments. The course serves to prepare students for working with stand-alone and network operating systems for PC management and repair. Topics include commands and utilities, configuration, system management, automated batch files and the use of command line and GUI environments. Various operating systems are discussed and demonstrated. Substantial laboratory time will be required each week.

CST* E141 Computer Hardware 4 ch

Previously: CS 135 Code B, C, CS

Prerequisite or Parallel: CSA E106 or higher; MAT* E095 or placement higher than MAT* E095.*

An introduction to the personal computer (PC) as a system with emphasis on understanding the roles both of the hardware and the elements that interface the hardware to the user's program. Common PC elements (mother board, disk drives, modems and displays) are examined and their operation under various operating systems explained. Students will study troubleshooting techniques and the isolation of problems into software or hardware faults, incompatibilities, or viruses.

CST* E144 Introduction to Electronics 4 ch

Previously: CS 110 Code B, C, CS

Prerequisite: MAT E095 or permission of the instructor.*

An introduction beginning with the explanation of electrical energy, voltage, current and power concepts, and proceeding to fundamental DC, AC, analog, and digital circuits. Practical applications are stressed, and the lab exercises are run as though they are industry job assignments. Field practices are discussed and safety is stressed as a basic objective. Includes integrated lab exercises with the use of electronic test equipment and written lab reports.

CST* E145 Digital Circuits and Logic 4 ch

Previously: CS 130 Code B, C, CS

Prerequisite: MAT E095 or placement beyond MAT* E095. Prerequisite or Parallel: CSA* E106 or permission of the instructor.*

A study of the elements of digital logic design, digital circuits, and the fundamentals of a modern digital system. It begins with an explanation of binary number systems, progresses through logical design and into PC systems. Laboratory experiments are used to provide practical experience.

CST* E150 Web Design and Development I

3 ch

Previously: CS 109 Code B, C, CS

Prerequisite: The ability to perform basic file management and word processing tasks using Microsoft Windows.

An introduction to the development of Internet web sites with an emphasis on HTML and the related technologies that form the basis of web development. Students learn how to use HTML and related technologies to create multi-page web sites that include links, tables, frames, forms, graphics, image maps, multimedia, and style sheets. Course content is continually updated to reflect the current state of the art in Internet computing. The course requires substantial hands-on use of computers in a computerized classroom environment.

CST* E161 Windows Exchange Server 3 ch

Previously: CS 233 Code B, C, CS

An examination of Microsoft's Exchange Server. Topics covered include installation, configuration, management, and security. This course will help students prepare to meet the certification requirements for a Microsoft Certified System Engineer. Substantial work in the computer lab is required.

CST* E184 Network Administration I 3 ch

Previously: CS 240 Code B, C, CS

Prerequisite or Parallel: ENG E101.*

An introduction to a workstation operating system. Topics covered include installation, configuration, administration, and support. The course will introduce administrative tools used to manage the system, and the protocols and services that ship with it, including the Domain Name System (DNS). Substantial work in the computer lab is required. This course will help students prepare for relevant industry tests.

CST* E185 Network Administration II 3 ch

Previously: CS 241 Code B, C, CS

Prerequisite: CST E184.*

Students will learn how to plan the infrastructure of a network. Topics covered will include installation, file systems and disk management functions, administration of the operating system and directory services, network protocols, routing and remote access, monitoring and optimization. Substantial work in the computer lab is required. This course will help students prepare for relevant industry tests.

CST* E186 Network Administration III 3 ch

Previously: CS 242 Code B, C, CS

Prerequisite: CST E185.*

Students will learn how to plan the infrastructure of a network. Topics covered will include installation and configuration of TCP/IP, deploying the Dynamic Host Configuration Protocol, using name servers, providing clients with remote access and network security. This course will help students prepare for relevant industry tests.

CST* E187 Network Administration IV 3 ch

Previously: CS 243 Code B, C, CS

Prerequisite or Parallel: CST E186.*

An overview of the concepts and skills required to manage a computer network. Topics covered include managing client and server computers, storage resources, NTFS permissions, drivers and printers, directory services, group policies, name resolution, remote access, disaster recovery and prevention. This course will help students prepare for the relevant industry tests.

CST* E210 Operating Systems 3 ch

Code B, C, CS

Prerequisite: CSC E105.*

The course provides a theoretical and practical study of today's operating systems. This course will analyze what operating systems are, what they do, how they do it, and how they compare with each other. Topics such as memory management, process management, device management and user interfaces will be explored.

CST* E231 Data Communications & Networks 3 ch

Previously: CS 206 Code B, C, CS

Prerequisite: ENG E101 or permission of the instructor.*

A comprehensive introduction to the concepts of data communications channels between computers. This course covers data transmission codes and protocols, LANS, WANS, file transfer protocols, communications software, planning and designing networks.

CST* E250 Web Design and Development II

3 ch

Previously: CS 204 Code B, C, CS

Prerequisite: CST E150 or permission of the instructor.*

A study of the technologies involved in the development of dynamic, interactive business web sites. Topics include and in depth treatment of a modern web development environment such as Dreamweaver; the creation of interactive web sites using scripting tools such as Flash; the incorporation of multimedia into web sites; and introduction to e-commerce. Course content is continually updated to reflect the current state of the art in Internet computing. Substantial work in the computer lab is required each week.

CST* E258 Fundamentals of Internet Programming 4 ch

Previously: CS 252 Code B, C, CS

Prerequisite: CST E150 or permission of the instructor.*

A comprehensive introduction to the programming languages and techniques used to create dynamic web sites. Topics covered include client-side programming technologies such as JavaScript, VBScript, and Dynamic HTML and server-side programming technologies such as Active Server Pages. Course content is continually updated to reflect the current state of the art in Internet computing. The course requires substantial hands-on use of computers in a computerized classroom environment.

COOPERATIVE EDUCATION

CO E203 Cooperative Education I 3 ch

May be used as the field experience component of career-oriented programs and as an exploratory experience for students undecided about academic/career goals. Work experiences of 15 hours/week are arranged as employment conditions allow. Work experiences are arranged to correspond with academic programs.

CO E204 Cooperative Education II 3 ch

A continuation of field experience established in CO 203. Students will be expected to demonstrate increased work-related skills and responsibility. Work experience (15 hrs/wk). Work experiences are arranged to correspond with academic programs.

COURSE DESCRIPTIONS

CRIMINAL JUSTICE

CJS* E101 Introduction to Criminal Justice

3 ch

Previously: CJ 111

Prerequisite or Parallel: ENG E043.*

A comprehensive overview of the American criminal justice process. The course will examine the history, development, and current practices of law enforcement, the courts and the correctional system on the local, state, and Federal levels.

CJS* E102 Introduction to Corrections

3 ch

Previously: CJ 106

Prerequisite: CJS E101.*

An overview of the correctional system and its processes including history, sentencing, facilities, inmate populations, inmate rights, correctional programming, alternatives to incarceration and special populations.

CJS* E103 Introduction to Security

3 ch

Previously: CJ 102

Prerequisite: CJS E101.*

A study of security strategies, systems and technology along with the administration and design of security programs and applications. Students will learn the principles for management of a security program, the principles of conducting risk analysis, and the concepts of conducting private investigations.

CJS* E105 Introduction to Law Enforcement

3 ch

Previously: CJ 101

Prerequisite: CJS E101.*

A study of the role of police in American society. The course will examine the history and development of policing, hiring and training practices, administrative functions and other issues impacting on law enforcement.

CJS* E120 Police and the Community

3 ch

Previously: CJ 203

Prerequisite: CJS E101 and PSY* E111, and SOC* E101.*

An analysis of the problems of police as they relate to the community and the procedures used by departments to meet those problems. Students will be given the opportunity to study the police role in relation to the sociological and psychological dynamics of the community. The student will become knowledgeable in the practices which foster positive community relations and police-citizen communication.

CJS* E122 Loss Prevention

3 ch

Previously: CJ 109

Prerequisite: CJS E103 or permission of the instructor.*

An overview of the various specialized areas of safety and security such as theft and risk control, security surveys and loss prevention management in a proprietary or governmental institution.

CJS* E139 Interviewing and Interrogation

3 ch

Previously: CJ 211

Prerequisites: PSY E111 and CJS* E101*

A comprehensive overview of the processes of interviewing and interrogation. Students will be introduced to a variety of interview and interrogation techniques and strategies. The legal considerations will also be discussed.

CJS* E201 Criminology

3 ch

Previously: CJ 105

Prerequisite: CJS E101 and PSY* E111 and SOC* E101.*

A study of crime and society's treatment of crime and the criminal. The various causes of crime and delinquency, the philosophy of criminal and correctional law, custody and treatment of offenders will be studied.

CJS* E203 Juvenile Justice

3 ch

Previously: CJ 110

Prerequisite: CJS E101 or permission of the instructor.*

A close examination of how the juvenile justice process has evolved and expanded as society has sought to understand, control, and influence change in the delinquent behavior of children and youth below the age of majority.

CJS* E211 Criminal Law I

3 ch

Previously: CJ 201

Prerequisite: CJS E101.*

An exploration of the scope and classification of criminal law as it relates to various types of offenses. The areas of criminal liability, inchoate offenses and intent will be discussed as well as the U.S. Constitution's relationship to criminal laws and how laws are made and enforced.

CJS* E213 Evidence and Criminal Procedure

3 ch

Previously: CJ 215

Prerequisite: CJS E101 and POL* E111.*

A study of the U.S. Constitution, particularly the Bill of Rights and the Fourteenth Amendment, as they relate to the functioning of the criminal justice system. Emphasis on individual rights, due process and civil liberties.

CJS* E214 Constitutional Rights of Prisoners

3 ch

Previously: CJ 221

Prerequisite: CJS E102 or permission of the instructor.*

An exploration of the issues involved with Constitutionally guaranteed rights as they pertain to inmates in a jail or prison setting. Particular attention will be paid to the First, Eighth and Fourteenth Amendments along with the Civil Rights Act. Remedies to violations of rights will also be discussed.

CJS* E220 Criminal Investigation 3 ch

Previously: CJ 103

Prerequisite: CJS E101.*

An introduction to the procedures and techniques of criminal investigation. Topics discussed will include the interview, interrogation, crime scene search, collection and preservation of evidence, and case preparation.

CJS* E221 Arson Investigation 3 ch

Previously: CJ 218

Prerequisite: CJS E220.*

An introduction to the problems and effects of arson; analysis of the chemistry of the fire scene; use of investigative and detection aids, photographs, measurements and diagrams; collection and preservation of evidence; methods of interviewing and interrogation; legal aspects of arson investigation.

CJS* E222 Computer Investigation Techniques 3 ch

Previously: CJ 226

Code C

Prerequisite: CJS E101 and permission of the instructor.*

A comprehensive introduction to computer operations and computer system components with an emphasis on storage and retrieval of information for investigative purposes. Topics covered include basic operating systems, hardware, software, encryption, identification of evidentiary information, Internet servers and web sites, freeware, bulletin boards, file types and manipulations, spreadsheets and databases. Students will develop the ability to assemble evidence for a criminal investigation process. Substantial lab work is required.

CJS* E225 Forensic Science 3 ch

Previously: CJ 108

Prerequisite: CJS E220.*

A study of the relationship of physical evidence to a specific crime or criminal. Discussion will include various methods of scientific development of physical evidence at crime scenes and under laboratory conditions. Emphasis will be placed on identification of suspects through physical, chemical or biological evidence.

CJS* E240 Correctional Administration 3 ch

Previously: CJ 107

Prerequisite: CJS E102.*

An examination of the correctional organization, the administrative process, and supervision and management in the correctional setting. Topics addressed will include values and ethics, policies and procedures, legal issues for employees, human resources, leadership, and power and influence.

CJS* E243 Institutional Treatment of the Offender 3 ch

Previously: CJ 219

Prerequisite: CJS E102.*

An examination of the management of correctional clients in an institutional setting from admission to release. Special attention is given to the systems that deal with the security and treatment needs of each individual. These needs and systems are considered in terms of current correctional approaches.

CJS* E244 Community-Based Corrections 3 ch

Previously: CJ 112

Prerequisite: CJS E102.*

An examination of the relationship between institutional confinement and community-based correctional programs. The organization and administration of probation and parole programs are examined. Special attention is given to the study of rehabilitative and community reintegration programs and activities.

CJS* E250 Police Organization and Administration 3 ch

Previously: CJ 205

Prerequisite: CJS E101.*

A detailed analysis of police organization and administration. A study of administrative problems within a police organization and the equating of sound principles of human relations and supervision to effective police performance.

CJS* E251 Police Management Seminar 3 ch

Previously: CJ 216

Prerequisite: CJS E250.*

A practical application of previously studied theories and methods in police management. Students will use group work, case studies and projects to theoretically interpret and apply data in management situations.

CJS* E259 Writing and Research for Law Enforcement 3 ch

Prerequisites: ENG E101 and CJS* E101.*

This course emphasizes the practical aspects of gathering, organizing and preparing written reports and other documents applicable to law enforcement. Students will practice the processes and procedures for creating and completing successful writing in the criminal justice field, make use of the technologies commonly used for research and writing in law enforcement, and learn the conventions of evidence, format, usage and documentation in the field.

CJS* E280 Victimology 3 ch

Previously: CJ 224

Prerequisite: CJS E101 or permission of the instructor.*

A comprehensive course designed to acquaint the student with the many issues faced by the victims of crime. Topics covered will include victimization and other issues central to crime victim assistance. Students will also gain an understanding of how to address the needs of crime victims and act as advocates for victim issues.

CJS* E290 Practicum in Criminal Justice 3 ch

Previously: CJ 220

Prerequisite: CJS E101 and CJS* E201 and CJS E*211 and CJS E*213, and permission of the instructor.*

Supervised placement with a criminal justice agency to allow the student the opportunity to explore career choices while gaining actual job experience in the criminal justice field. Students will be required to participate a minimum of 8 hours per week (120 hours per semester) and to attend a bi-weekly meeting with the practicum advisor.

COURSE DESCRIPTIONS

CJS* E294 Contemporary Issues in Criminal Justice 3 ch

Previously: CJ 223

Prerequisite: CJS E101 or permission of the instructor.*

A series of seminars covering topics of current interest in the criminal justice field. The criminal justice field changes very rapidly and this course will focus on areas of change such as ethics, use of force, Supreme Court decisions which affect criminal justice, prison issues, the drug problem and other issues which impact on the criminal justice system.

CJS* E295 Contemporary Issues in Forensic Science 3 ch

Previously: CJ 214

Prerequisite: CJS E220 and CJS* E225 and CJS* E101 or permission of the instructor.*

A series of seminars covering topics pertaining to investigative techniques and the evaluation of evidence in criminal and civil cases.

CJS* E296 Contemporary Issues in Private Security 3 ch

Previously: CJ 209

Prerequisite: CJS E103.*

A study of specific problems and solutions pertaining to the field of security and safety such as education and training, community relations, environmental protection, safety and health, theft control, labor relations and contingency planning.

DEVELOPMENTAL STUDIES

DS E099 Academic Skills Development 3 ch

This course helps students to develop the academic skills necessary to succeed in academic coursework and in college life, including managing assignments, reading textbooks, finding information, test-taking, and planning for the semester and for graduation. This course will help students to develop a learning plan that addresses educational and career goals. This course must be taken within the first 12 credit hours and this course does not satisfy graduation requirements.

ENG* E003 Foundations of Reading 3 ch

Previously: DS 010

Prerequisite: Placement test score.

Provides students with essential reading skills such as decoding skills, phonetic and structural analysis skills, vocabulary development and reading comprehension in order to provide students with a basic reading foundation. This course will not satisfy graduation requirements.

ENG* E013 Writing Foundations of English 3 ch

Previously: DS 050

Prerequisite: Placement test score.

A practical application of grammar by intensive practice in writing short passages to achieve competence in writing grammatically sound sentences and paragraphs. This course also is an introduction to the writing process by practical application of pre-writing, drafting, and revising techniques to writing short passages. This course will not satisfy graduation requirements. ENG*073 may be taken concurrently.

ENG* E043 Writing: Paragraph to Essay 3 ch

Previously: EN 100R

Prerequisite: Placement test score or "C" in ENG E013. Prerequisite or parallel: DS E099.*

A comprehensive study of the paragraph as a unit of composition, emphasizing organization of ideas, specific methods of development, and elements of style. The subject matter will include the grammar and syntax of sentence patterns, punctuation, and the mechanics of formal college writing. Frequent writing assignments both in and out of class will be conducted in a workshop manner. This course will not satisfy graduation requirements.

ENG* E073 Academic Reading 3 ch

Previously: DS 011

Prerequisite: Placement test score or "C" in ENG E003. Prerequisite or parallel: DS E099.*

Provides students with advanced work in reading skills (literal meaning, inference, critical thinking, and interpretation and evaluation) along with vocabulary development (dictionary and library skills) in preparation for general college studies. Prepares students for college-level reading in a variety of subjects. This course will not satisfy graduation requirements. ENG* E013, ENG* E043 or ENG* E101 may be taken concurrently.

MAT* E075 Prealgebra 3 ch

Previously: DS 091

Prerequisite: Placement test score.

A review of basic arithmetic skills including whole numbers, fractions, decimals, and percents. Practical applications will be emphasized. Also included is an introduction to algebra and algebraic notation. This course will not satisfy graduation requirements.

MAT* E095 Elementary Algebra Foundations 3 ch

Previously: DS 095

Prerequisite: Placement test score or "C" in MAT E075.*

Beginning algebra including signed numbers, algebraic expressions, laws of exponents, order of operations, linear equations and inequalities, word problems, formulas, polynomials, factoring, and graphing. This course will not satisfy graduation requirements.

EARLY CHILDHOOD EDUCATION

ECE* E101 Introduction to Early Childhood Education 3 ch

Previously: ECE 101

A study of the historical, philosophical, and social perspectives of early care and education. Emphasis will be on modern development trends, along with an understanding of the organization and compositions of early childhood education settings, which include curriculum materials, learning environments and equipments. Ten hours of field visits are required.

ECE* E106 Music & Movement for Children 3 ch

Previously: ECE 106

An investigation into the role of music and basic movement in early childhood development. Students will receive a basis in music skills. Included is preparation for assessing the health and physical well-being of the child. Students will demonstrate teaching techniques and prepare themselves for teaching through construction of teaching materials and accumulation of resource materials.

ECE* E115 Parenting Skills 3 ch

Previously: ECE 115

An examination of successful parenting styles focusing on developing creative problem solving skills, improving communication, lessening parent-child conflicts, setting limits, encouraging responsibility, and building self-esteem. Parenting skills based on an understanding of appropriate developmental expectations for young children will include praising, and encouraging effective alternatives to punishment, expressing anger constructively, and accepting and coping with sibling rivalry.

ECE* E141 Infant/Toddler Growth & Development 3 ch

Previously: ECE 110

Designed to prepare students in the care and teaching of infants and toddlers. Emphasizes the interrelationship of social, emotional, cognitive, physical, and language development patterns. Age-appropriate curriculum strategies based on developmental theories to create a quality program within an interesting, exploratory environment will be discussed. Ten hours of field visits required.

ECE* E180 CDA Credential Preparation 3 ch

Previously: ECE 130

Designed for early childhood education teachers and child care providers seeking their Child Development Associate Credential. Students will be assisted in developing an understanding of CDA functional areas along with a CDA resource file. Theories and philosophies within early childhood education will be correlated to CDA competencies.

ECE* E190 ECE Behavior Management 3 ch

Previously: ECE 190

This course is designed for early childhood education teachers, child care providers and directors. It will review the many behavior management and discipline strategies that are available to be used with young children. Discipline approaches that go beyond rules and punishment will be examined. Students will study and create an environment that leads to respect and self-discipline. Participants learn to analyze teaching/management styles so as to be able to incorporate the best techniques to help lead children to self-control.

ECE* E206 Administration and Supervision of Early Childhood Programs 3 ch

Previously: ECE 210

Prerequisite or Parallel: ENG E101 and ECE *E101, BOTH with a grade of "C" or better.*

This course examines the roles, responsibilities and skills involved in management and supervision of preschool programs. Emphasis is placed on the duties and responsibilities of an administrator; the selection, supervision and evaluation of staff members; program development; the budgeting process and fiscal management; food and health services; laws and regulations concerning state child care licensing; and parent involvement.

ECE* E207 Natural Science and Safety for Children 3 ch

Previously: ECE 207

Designed to enable the teacher to provide children with an appreciation of the world in which they live. It will encompass themes in mathematical concepts, natural science, physics, physical science, biology, chemistry, nutrition, and health and safety education. Emphasis will be placed upon children's natural curiosity. The method of teaching by discovery will be stressed.

ECE* E210 Observation, Participation and Seminar 3 ch

Previously: ECE 103, ECE 104

Prerequisite: ECE E101.*

Provides current and prospective teachers of young children with an in-depth appreciation of the need to observe and record children's behavior. The primary outcome of this class will be to further the student's ability to observe objectively and to increase their ability to understand and interpret behavior. Observation and participation placements are required in approved early childhood settings. The student will observe and participate for sixty hours. Experiences are extended in weekly seminars.

ECE* E212 Administrative Leadership in Early Childhood Programs 3 ch

Previously: ECE 212

Prerequisite: ECE E206 with a grade of "C" or better.*

This course is designed to examine the multi dimensional roles of the early childhood program administrator. Emphasis will be on effective leadership and the impact of communication and interpersonal skills; decision making and participatory management tools; how to conduct effective meetings; formation of partnerships with families; child welfare advocacy, and strategic approaches to initiating and implementing change.

COURSE DESCRIPTIONS

ECE* E215 The Exceptional Learner 3 ch

Previously: ECE 105

An introduction to the field, problems and trends in special education in America. Emphasis on the history, concepts, practices and terminology used by professionals in the field of special education. Sessions will include both general and specific information which will assist students in defining their role with Special Education students as well as their possible future careers in this area. Field observations included.

ECE* E216 Methods & Techniques in Special Education 3 ch

Previously: ECE 200

Prerequisite: ECE E215*

An overview of many methodologies used in special education settings. Students will be exposed to behavior modification, classroom environments, testing materials and other special education practices.

ECE* E222 Methods & Techniques in ECE 3 ch

Previously: ECE 201

Prerequisite: ECE E210.*

The study of the knowledge and skills needed to plan, implement, and evaluate a developmentally appropriate curriculum. Experiences will focus on the design of the learning environment, the interaction between teacher, child, and family, and the fostering of opportunities to enhance the development of the whole child. Field work is required.

ECE* E231 Early Language and Literacy Development 3 ch

Previously: ECE 208

An introduction to language and literacy development in the young child. Exploration of the early childhood language arts curriculum includes speaking, listening, writing and reading skills. Emphasis on the influence of a child's cultural background and experiences on emerging literacy development will be explored. Creation of a literacy-rich environment that engages children in developmentally appropriate language arts experience will be included.

ECE* E241 Methods and Techniques for Infants and Toddlers 3 ch

Previously: ECE 241

Prerequisite: ECE E141*

An introduction to various curriculum models for infants and toddlers. Strategies to interact and stimulate children under three will be explored. Cognitive learning games, language activities, music, movement and dramatic play will be studied. Developmentally appropriate toys and books will be reviewed.

ECE* E275 Child, Family, and School Relations 3 ch

Previously: ECE 275

This course will review the socialization process; the development of children as social beings who acquire knowledge, skills, and character traits that enable them to participate as effective members of their family, school, and society through human relationships.

ECE* E295 Student Teaching Practicum 6 ch

Previously: ECE 205, ECE 206

Prerequisites: All Early Childhood courses unless approved by ECE advisor.

Guided observation, participation and supervised student teaching in NAEYC accredited centers or kindergartens are required. The purpose of student teaching is to enable the student to apply child development theory in a learning environment and to work with children under close supervision. Students will manage a classroom independently, plan, organize, implement and evaluate classroom activities. Students will complete a minimum of 200 hours of student teaching. Weekly seminars devoted to issues in early childhood education and the experience of the student teacher will extend the individual's learning experience.

ECONOMICS

BFN* E211 Money & Banking 3 ch

Previously: BU 227, ECN*E250

Code B

Prerequisite: BFN E201 or ECN* E101, either course with a grade of "C" or higher.*

A study of the key concepts, theories and interrelationships that link money and banking to the U.S. economy. The focus is on the background of banking, basic banking principles, monetary theory and the role of the Federal Reserve System, and the concepts and tools of monetary and fiscal policy. The structure and characteristics of financial markets are also covered.

ECN* E101 Principles of Macro-Economics

3 ch

Previously: EC 204

Code B, SS

Prerequisite: ENG E101 or permission of the instructor.*

A study of the economic system as a whole, concentrating on the U.S. including the general structure of business in the U.S.; the creation and control of the money supply; the components of aggregate demand; recessions and inflation; the interrelated roles of government and business; and international trade and exchange are covered.

ECN* E102 Principles of Micro-Economics

3 ch

Previously: EC 203

Code B, SS

Prerequisite: ENG E101 or permission of the instructor.*

A study of market directed and mixed economies, emphasizing the American experience. The theory and facts of economic growth are covered. Emphasis is on market models and factor pricing. Alternative economic systems and current problems are surveyed. Students are expected to have a working knowledge of line graphs.

ECN* E130 Consumer Economics 3 ch
Previously: BU 101 Code B

An introduction to personal financial planning. The course includes setting financial goals, implementing plans to achieve those goals, and measuring financial health. The course will also include the personal financial planning process, time value of money, tax planning and strategies, asset management, insurances, investments, retirement planning, and estate planning. This course is valuable to all students and is not limited to business students. Outside expert practitioners will be invited to cover their particular area of expertise.

ECN* E170 Economic Geography 3 ch
Previously: EC 100 Code B, SS

Prerequisite or Parallel: ENG E101 or permission of the instructor.*

An examination of natural and cultural factors affecting production and consumption of goods and services and spatial distribution of economic activities. Location theories are stressed. The systematic approach is emphasized primarily, but consideration is given to the regional approach. People-land relationships are considered in terms of physical and socio-economic patterns.

ECN* E180 History of Economic Thought 3 ch
Previously: EC 101 Code B, SS

Prerequisite or Parallel: ENG E101 or permission of the instructor.*

A survey of the great ideas on which economics is based using the historical approach. The student is introduced to the concepts and tools of economics and to the relationships between economics and society. Not open as a credit elective for Business majors.

ENGLISH

ENG• Developmental Studies Courses

ENG* E003, ENG* E013, ENG* E043, ENG* E073 are Developmental Studies courses. Please see the Developmental Studies subject area for descriptions.

ENG* E101 Composition 3 ch
Previously: EN 101

Prerequisite: Satisfactory scores on placement exam or a grade of "C" or higher in ENG E043.*

The study of skills necessary for effective written communication. The course includes analyses of outstanding prose works. The principles of rhetoric and logic are also applied in frequent writing assignments.

ENG* E102 Literature & Composition 3 ch
Previously: EN 102

Prerequisite: ENG E101.*

A continuation of ENG* E101, including analyses of works of fiction, poetry, and drama to introduce techniques such as irony, satire, point of view, and figurative uses of language. Assignments encourage analytical reading and writing. The course also focuses on research techniques to be applied to a documented paper.

ENG* E214 Drama 3 ch
Code H

Prerequisite: ENG E102.*

This course is an exploration of the genre of drama as a literary form. Each dramatic piece, both tragedies and comedies, will be read and analyzed structurally, thematically, historically, and artistically. Works by classic playwrights as well as major figures from the great ages of drama are included.

ENG* E221 American Literature I 3 ch
Previously: EN 205 Code H

Prerequisite: ENG E102.*

Close reading of selected major works of American Literature from colonial times to the close of the nineteenth century. Emphasis will be placed upon the social and cultural implications of the works as well as upon their relevance to our own time. Major concentration will be on such writers as Poe, Hawthorne, Emerson, Thoreau, Melville, Whitman, Crane, James, Twain, and Dickinson.

ENG* E222 American Literature II 3 ch
Previously: EN 206 Code H

Prerequisite: ENG E102.*

A study of the major works of American Literature from the close of the nineteenth century to the present. Particular attention is given to the social and cultural implications of the works of such writers as Frost, Fitzgerald, Eliot, Hemingway, Faulkner, O'Neill, Steinbeck, Williams, and Ellison.

ENG* E231 British Literature I 3 ch
Previously: EN 201 Code H

Prerequisite: ENG E102.*

A chronological survey of the major works of English literature from the Anglo-Saxon period through the 18th century. Works may include those of the Beowulf poet, Chaucer, Shakespeare, Donne, Milton, Pope, and Swift. Works will be related to their historical and cultural settings.

ENG* E232 British Literature II 3 ch
Previously: EN 202 Code H

Prerequisite: ENG E102.*

A chronological survey of the major works of English literature during the 19th and the 20th centuries, including those of Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Hopkins, Yeats, and Eliot. Works will be related to their historical and cultural settings.

ENG* E233 Shakespeare 3 ch
Previously: EN 217 Code H

Prerequisite: ENG E102.*

Detailed study of the major works of Shakespeare, such as sonnets, histories, comedies, romances, and tragedies from both a literary and theatrical perspective. Works will be related to their historical and cultural settings.

COURSE DESCRIPTIONS

ENG* E241 World Literature I 3 ch

Previously: EN 207 Code H

Prerequisite: ENG E102.*

A study of the major literary works of the western world from the beginnings to the Renaissance, including the Hebrew Scriptures (Old Testament), Greek mythology, the Iliad, Greek dramas, Roman mythology, the Aeneid, the New Testament, and the Divine Comedy.

ENG* E242 World Literature II 3 ch

Previously: EN 208 Code H

Prerequisite: ENG E102.*

A detailed study of the major literary works of the Western World from the Renaissance to recent times. Works may include philosophical works of Descartes and Pascal, comedies of Moliere, tragedies of Racine, Voltaire's Candide, Goethe's Faust, and works of Flaubert, Dostoyevsky, Gorki, Mann, Sartre, and others.

ENG* E243 Irish Literature 3 ch

Code H

Prerequisite: ENG E102 or permission of the instructor.*

Introduces the student to the range of Irish literary writing from its earliest times to the present. Readings in present-day English will encompass every period of Irish literature and be examined in relation to the history of the period.

ENG* E251 African-American Literature 3 ch

Code H

Prerequisite: ENG E102.*

This course is an introduction to the literature of the African American diaspora with significant emphasis on the cultural and historical perspectives emerging from the literature. Short stories, poetry, drama, novels, and essays are covered.

ENG* E262 Women in Literature 3 ch

Code H

Prerequisite: ENG E102.*

This course involves a study of the images of women in literature written by both female and male authors. The creation of these images and subsequent stereotyping are examined. The emphasis is on modern literature, but a few of the older classics are included as well. Fiction, drama, and poetry are all included.

ENG* E271 Film and Literature 3 ch

Code H

Prerequisite: ENG E102.*

A close analysis of novels and their relationship to film adaptations made from them. Although some attention will be given to the nature and esthetics of film, emphasis will be on the literature itself. Relationships between the two genres might include the use of language, concreteness, perception, and handling of time as well as more traditional comparisons involving plot, character, setting, and theme.

ENG* E278 Contemporary Literature 3 ch

Previously: EN 219 Code H

Prerequisite: ENG E102.*

A study of representative 20th century writers from various geographic areas of the globe who reflect philosophies, movements, and styles that influence present-day attitudes. The selections are primarily, but not restricted to, non-American and non-British writers except those whose writing extends to other parts of the world.

ENG* E281 Creative Writing 3 ch

Previously: EN 211 Code F

Prerequisite: ENG E101 or permission of the instructor.*

A study and application in a seminar atmosphere of creative writing techniques, including, but not necessarily limited to, fiction and poetry. Intensive study of fiction by the world's great writers to discover and understand the techniques used will serve as a starting point for individual work by students. Examination and practice of the techniques of poetry writing will also be offered. Work produced will be discussed and critically evaluated by the class. When possible, meetings and discussions with established writers will be arranged. This course cannot be used as a Humanities elective.

ENG* E298 Special Topics 3 ch

Previously: EN 200 Code H

Prerequisite: ENG E102.*

An opportunity to explore a variety of literary types in a less conventional setting than in the period courses. Topics will be varied by semester and by instructor's specialty. Among the special topics alternating by semesters are: Women in Literature; Mythology; Masterpieces of the Drama; Irish Literature; Hispanic Literature; Black Literature; Enduring Themes in Literature; Fiction & Film; Jewish Writing of the 20th Century; and the Holocaust.

ENGLISH AS A SECOND LANGUAGE

ESL• General Information

Intermediate and Advanced ESL courses carry foreign language credit. Up to 12 ESL credits may be used to fulfill foreign language/humanities or open elective graduation requirements.

ESL* E010 Combined Skills I 6 ch

Previously: ESL 091

Prerequisite: ESL interview and placement test.

A beginner-level language course for non-native students with limited English experience who need an introduction to the basic sounds, structures, and vocabulary of spoken and written English. Includes listening comprehension and speaking skills, basic vocabulary and grammar study, and elementary reading and writing practice. Adult basic literacy, including cursive writing, is assumed. Two hours of laboratory/tutorial practice is required per week. This course will not satisfy graduation requirements.

ESL* E015 Grammar I 6 ch

Previously: ESL 015

Prerequisite: Placement at ESL E010 or ESL* E020.*

An intensive language course for high-beginner and low-intermediate, non-native students who want to develop competency in the use of basic grammatical structures in everyday situations. The course provides students the opportunity to learn these structures through daily reading and language analysis exercises, speaking and writing practice. This course does not satisfy graduation requirements.

ESL* E020 Combined Skills II 6 ch

Previously: ESL 092

Prerequisite: ESL E010 or ESL interview and placement test.*

A high beginner-level language course for non-native students who need to develop confidence and fluency in speaking and writing practical English for everyday use. Includes listening comprehension and speaking skills, general vocabulary, basic grammar, and simple reading and writing practice. Two hours of laboratory/tutorial practice required per week. Does not satisfy graduation requirements.

ESL* E130 Combined Skills III 6 ch

Previously: ESL 111

Code H

Prerequisite: ESL placement test.

An academically-oriented language course for non-native students who have a simple knowledge of spoken and written English. Emphasizes intensive general academic vocabulary development, extensive reading and listening comprehension, major aspects of sentence structure and grammar, and speaking and writing improvement using linguistically controlled materials. Two hours of laboratory/tutorial practice required per week. Intermediate and Advanced ESL courses carry foreign language credit. Up to 12 ESL credits may be used to fulfill foreign language/humanities or open elective graduation requirements.

ESL* E135 Grammar III 3 ch

Previously: ESL 135

Code H

Prerequisite: Completion of ESL E020 with a grade of "C" or higher, or placement at ESL* E130.*

An intensive language course for non-native students who want to develop competency in the use of intermediate grammatical structures in practical and academic contexts. The course provides students the opportunity to learn these structures through daily reading and language analysis exercises, speaking and writing. Intermediate and Advanced ESL courses carry foreign language credit. Up to 12 ESL credits may be used to fulfill foreign language/humanities or open elective graduation requirements.

ESL* E140 Combined Skills IV 6 ch

Previously: ESL 112

Code H

Prerequisite: ESL placement test or ESL E130.*

Helps intermediate level ESL students improve their reading and writing skills and provides practice in listening and speaking. Reading assignments stress comprehension and vocabulary building. Writing skills focus on developing basic sentence structure and simple paragraphs. Students listen to taped lectures, practice dictation and note-taking, and participate in structured group discussions. All activities focus on expanding knowledge of English and developing fluency in all skills. Two hours of laboratory/tutorial practice required per week. Intermediate and Advanced ESL courses carry foreign language credit. Up to 12 ESL credits may be used to fulfill foreign language/humanities or open elective graduation requirements.

ESL* E147 Oral Communications IV 3 ch

Previously: ESL 115

Code H

Prerequisite: ESL E130 or permission of the instructor.*

A speech improvement course to help intermediate-level non-native speakers of English to communicate more effectively in everyday situations and in academic settings. Focus is on developing greater clarity and fluency in spoken English through daily listening discrimination and pronunciation exercises; peer observation and interaction; guided group discussions and individual oral presentations. One hour of laboratory or tutorial practice required per week. Intermediate and Advanced ESL courses carry foreign language credit. Up to 12 ESL credits may be used to fulfill foreign language/humanities or open elective graduation requirements.

ESL* E150 Combined Skills V 6 ch

Previously: ESL 121

Code H

Prerequisite: ESL placement test or ESL E140.*

An advanced language course for non-native students who have developed basic fluency in written and spoken English and who wish to further improve their language skills for academic or career purposes. Emphasizes intensive academic vocabulary development, extensive reading practice using short and long selections of general interest from academic subjects and literary works, individual pronunciation and oral presentations. Elements of effective writing, including problems in advanced syntax and sentence structure, are applied in short essays and longer writings such as autobiographies and book reports. Two hours of laboratory/tutorial practice required per week. Intermediate and Advanced ESL courses carry foreign language credit. Up to 12 ESL credits may be used to fulfill foreign language/humanities or open elective graduation requirements.

ESL* E155 Grammar V 3 ch

Previously: ESL 155

Code H

Prerequisite: Completion of ESL E140 with a grade of "C" or higher, or placement at ESL* E150.*

An intensive language course for non-native students who want to develop competency in the use of advanced grammatical structures in academic contexts. The course provides students the opportunity to master these structures through daily reading and language analysis exercises, group discussion and essay writing. Intermediate and Advanced ESL courses carry foreign language credit. Up to 12 ESL credits may be used to fulfill foreign language/humanities or open elective graduation requirements.

ESL* E160 Combined Skills VI 6 ch

Previously: ESL 122

Code H

Prerequisite: ESL placement test or ESL E150.*

Helps advanced ESL students expand and refine their reading, listening, speaking and writing skills for more effective communications in college and career settings. Students read non-fiction and fiction relating to North American culture and other subjects, discuss readings in small groups, then respond to readings by writing essays, summaries and reports. Students listen to taped lectures, dialogues and narratives from radio and television, and present oral reports and debates on selected topics. Activities focus on developing fluency, clarity and correctness of expression. Two hours of laboratory/tutorial practice required per week. Intermediate and Advanced ESL courses carry foreign language credit. Up to 12 ESL credits may be used to fulfill foreign language/humanities or open elective graduation requirements.

COURSE DESCRIPTIONS

ESL* E167 Oral Communications VI 3 ch
Previously: ESL 125 Code H
Prerequisite: ESL E150 or permission of the instructor.*

A speech improvement course to help advanced-level non-native speakers of English communicate more effectively in academic and professional settings. Focus is on accent reduction and developing communication strategies through listening discrimination and pronunciation exercises; self-analysis practice, peer observation and interaction, and oral presentations. One hour laboratory/tutorial practice required per week. Intermediate and Advanced ESL courses carry foreign language credit. A maximum of 12 credits of ESL courses may be applied as open-elective credits in the General Studies degree program.

ESL* E193 Advanced ESL Writing 6 ch
Code H
Prerequisite: Recommendation of ESL E150 Instructor and approval of ESL Department Coordinator.*

This course develops students' abilities to write effective essays and to reason critically in final preparation for ENG* E101. The course includes a very basic review of grammar and syntax, as needed. The goals of unity, coherence, research skills, MLA knowledge and logical development are pursued through analysis of professional and student essays, and through practice in prewriting, writing, and revision techniques. Students learn various organizational patterns. Students will write and revise several essays. This course helps advanced E.S.L. students expand and refine, chiefly, their reading and writing skills for more effective written communication in college or career settings. Students read fiction and non-fiction, and then respond to readings by writing essays, summaries, and reports. During weekly meetings, students listen to lectures, engage in dialogues, and occasionally present oral reports and debates on selected topics. Activities focus on developing fluency, clarity, and correctness of expression, principally in the written form.

FRENCH

FRE* E101 Elementary French I 3 ch
Previously: FR 101 Code H

Stresses pronunciation, aural comprehension, and conversation as well as the principles of grammar in order to reach facility in reading, writing, and speaking the language. Laboratory time is required weekly.

FRE* E102 Elementary French II 3 ch
Previously: FR 102 Code H
Prerequisite: FRE E101 or permission of the instructor.*

A continuation of FRE* E101. Laboratory time is required weekly.

FRE* E201 Intermediate French I 3 ch
Previously: FR 103 Code H
Prerequisite: FRE E102 or two years of high school French.*

Review of grammar, oral drill, reading and conversation. Some reading of contemporary prose. Laboratory time is required weekly.

FRE* E202 Intermediate French II 3 ch
Previously: FR 104 Code H
Prerequisite: FRE E201 or permission of the instructor.*

A continuation of FRE* E201. Laboratory time is required weekly.

FRE* E299 Independent Study in French 3 ch
Previously: FR 225 Code H
Prerequisite: Permission of the Foreign Language faculty.

Designed for those students who wish to obtain credit in a selected topic in French. Students should have a high academic standing in French language.

GEOGRAPHY

GEO* E111 World Regional Geography 3 ch
Previously: GH 101 Code SS
Prerequisite or Parallel: ENG E101.*

A study of the physical and human elements of global geography. Regional, cultural and population influences will be explored to give the student a better understanding of different geographical situations found in the world. The differences and inter-relationships of the developed and developing nations are probed in the depth necessary to understand present societies. Group discussions and audio-visual presentations are used as methods to give the student better insight into the influence of geography.

GRAPHIC DESIGN

GRA* courses See listings under ART

HISTORY

HIS* E101 Western Civilization I 3 ch
Previously: HI 103 Code SS
Prerequisite or Parallel: ENG E101.*

The development of Western civilization from the ancient world through the middle ages to early modern times. Particular emphasis is placed upon the classical legacy, feudalism, the growth of monarchical power, the Renaissance and the Reformation.

HIS* E102 Western Civilization II 3 ch
Previously: HI 104 Code SS
Prerequisite or Parallel: ENG E101.*

The major developments in Western civilization from the seventeenth century to the present. Particular emphasis is placed upon the age of Louis XIV, the enlightenment, the French Revolution, the industrial revolution, modern imperialism, the growth of rivalry between the powers, and the development of new political philosophies which have helped to produce the existing international situation.

HIS* E201 US History I 3 ch

Previously: HI 201 Code SS

Prerequisite: ENG E101.*

Covers the political, economic and social development of the United States to 1860. It is devoted to the period from the earliest exploration and settlement to the Civil War. Topics covered include the colonial contribution to American democracy, the struggle for independence, formation of a national government, Jacksonian democracy, westward expansion, and the controversy over slavery.

HIS* E202 US History II 3 ch

Previously: HI 202 Code SS

Prerequisite: ENG E101.*

Civil War to relatively modern times. Topics to be covered include the Civil War, reconstruction, the rise of industry, populism, the Spanish-American War, the frontier, Theodore Roosevelt's progressive program, Wilson's New Freedom, World War I, Versailles, the Twenties, the Great Depression, the New Deal, and World War II.

HIS* E211 History of Connecticut 3 ch

Previously: HI 210 Code SS

Prerequisite: ENG E101.*

A survey of the history of Connecticut from pre-Colonial times to the present. The course will emphasize Connecticut's rich multicultural history. Topics will include Native American, European, African-American, and Caribbean influences, immigration, and industrialization and deindustrialization.

HONORS

HN E200 Honors Seminar 3 ch

Prerequisite: ENG E102 and permission of the Honors Advisor; recommended: courses in literature, philosophy, psychology or sociology, history, and laboratory science.*

An interdisciplinary course that examines a topic from the differing perspectives of the major academic disciplines - humanities, natural and physical sciences, and social sciences. The instructors and topic/content vary from year to year. Offered in the Fall semester only. Open only to students registered in the Honors Program. Satisfies an open elective requirement.

HN E225 Independent Honors Project 3 ch

Prerequisite: HN E200, permission of the Honors Advisor, and approved Honors contract.

An original student project completed under the guidance of a faculty mentor that demonstrates a student's ability to apply knowledge and skills in a creative and scholarly manner. The student must receive approval in the semester preceding the term during which the project is done. Open only to students registered in the Honors Program. Satisfies an open elective requirement.

HUMAN SERVICES

HSE* E101 Introduction to Human Services 3 ch

Previously: HS 101

An interdisciplinary orientation to major Human Service agencies and institutions in this region including education, law enforcement, child care, mental health, recreation, geriatrics, etc. Participants will study the roles and functions of professionals in these types of Human Services careers. Instruction will include team-teaching, guest speakers, and field visitations.

HSE* E114 Advocacy in Human Services 3 ch

Previously: HS 107

Prerequisite ENG E101.*

A comprehensive survey of effective advocacy for and with human service agencies. Students will learn about power bases and influence in human service systems. The course will introduce students to advocacy theory and practice, providing lectures, practical hands-on assignments, and participatory learning.

HSE* E121 Strategies for Developing Capable Children and Youth 3 ch

Previously: HS 151

Prerequisite or Parallel: ENG E101.*

An overview of specific skills and practical strategies for developing responsible, capable children and youth and for strengthening families. Practical techniques are explained and applied in dealing with and preventing problems in families. Teaching methods include interactive group experiences and discussion, exercises, reading, and practice assignments. Skills acquired are applicable to broader settings, including childcare programs and schools.

HSE* E134 Introduction to Mental Health Systems 3 ch

Previously: HS 104

A survey of systems and services for children, youth, and adults with serious mental illnesses as well as individuals with mental illnesses and addictions. Topics include treatment, rehabilitation and recovery, managed care, community support services, public awareness, consumer empowerment, and career opportunities.

HSE* E139 Topics in Mental Health 3 ch

Previously: HS 210

Focus on particular topics in mental health services that are especially relevant to working in community settings. Emphasis on conceptual knowledge about hands-on skills in clinical management and specific administrative tasks in working with clients. Topics include assessment, psychiatric medications, dual diagnosis, relapse prevention, crisis management, violence prevention, goal planning, entitlements, and burnout.

COURSE DESCRIPTIONS

HSE* E141 Addiction and Mental Illness in Behavioral Health Care 3 ch

Previously: HS 105

Prerequisite: ENG E101 or permission of the instructor.*

An overview of the policy and treatment issues in behavioral health-care. Particular areas of concern include assessments, treatment concepts, national and state policies, dual diagnosis issues, managed care, and client motivation. The course examines current research and demographics which underpin the behavioral health movement.

HSE* E147 Change Theory and Strategies in Behavioral Health Care 3 ch

Previously: HS 213

Prerequisite: PSY E111 and ENG* E101 or permission of the instructor.*

An overview of the theories of human behavior, addiction, mental health and change in all these areas of practice. This course will cover the cycle of change and Motivational Enhancement Therapy (MET) as used in the Behavioral Healthcare Model. The course will also examine the application of these concepts, theories, and skills to individuals with multiple behavioral difficulties.

HSE* E161 Disabilities Across the Lifespan 3 ch

Previously: HS 161

Prerequisite: PSY E111.*

An overview of the field of developmental disabilities as it applies to people across the lifespan from birth to old age. Topics include mental retardation, cognitive disabilities, acquired brain injury, physical disabilities, sensory impairment and others. The course examines these topics from a variety of perspectives including prevalence, psychological aspects, age-related, adaptive problems and habilitative services in the continuum of care.

HSE* E170 Introduction to Gerontology 3 ch

Previously: HS 103

An interdisciplinary introduction to the major concepts and issues related to the study of the aging process. The course is designed for students considering a career in gerontology or in a field where understanding the psychological, physical, social, and environmental issues of the elderly is of critical importance.

HSE* E198 Special Problems in the Human Services 3 ch

Previously: HS 225

Prerequisite: Permission of the Human Services faculty.

A research project-oriented course under the personal supervision of a faculty member in the Human Services Program. It is designed to provide an opportunity to explore particular problem and subject areas within the area of Human Services. Subjects may be in urban studies, law enforcement, mental health, early childhood education, public administration, gerontology, etc. Assignments and hours will be individually tailored with the student.

HSE*E202 Introduction to Counseling/Interviewing 3 ch

Previously: HS 111

A developmentally-based, experiential course designed to introduce pre-professionals and professionals to the basic concepts, theories and skills used in human service counseling. Practical application of skills and role-playing will be emphasized.

HSE* E206 Correctional Counseling 3 ch

Previously: HS 208

Prerequisite or Parallel: PSY E111.*

A study of casework, counseling, philosophy and methods, and treatment techniques used in correctional settings.

HSE* E210 Group and Interpersonal Relations 3 ch

Previously: HS 201

A cross-disciplinary seminar introducing participants to the development and dynamics of small-group relationships and communications. Emphasis on theories and specific techniques designed to lead to self and interpersonal understanding among group members, research regarding the nature of behavioral understanding among group members, research regarding the nature of behavioral change, and supervised experience in participatory groups. Seminar will include a variety of techniques, including lecture, observation, role-playing, simulation, and video-tape analysis.

HSE* E222 Emotional Disorders in Children and Youth 3 ch

Previously: HS 251

Prerequisite: PSY E111.*

An examination of current treatment methods for children and youth with emotional disorders. Particular areas of focus include assessment and diagnosis, treatment approaches, intervention skills, effective service delivery models and systems issues from birth to three, pre-school, latency, and adolescence.

HSE* E235 Professional & Ethical Issues in Human Services 3 ch

Previously: HS 206

Addresses the specific areas of interest and academic concern for Human Service majors as they prepare for employment and/or transfer in the mental health and social service fields. Trends in the field, career planning and specialized target problems will be handled by professionals in the region and developed in class discussion.

HSE* E243 Human Services Skills and Methods 3 ch

Previously: HS 203

A comprehensive study of the skills required of human service professionals including interviewing, managing social service cases, analyzing relevant legal matters and community organization skills. The course focuses on gathering and assessing information and determining appropriate intervention methods. Case studies are used to illustrate typical problems and appropriate responses.

HSE* E244 Managing Human Services 3 ch

Previously: HS 202

An introduction and overview to the emerging field of human services management and administration. New developments and knowledge in this area will be assessed with specific examples of how this information can be used in practical, day-to-day situations. Designed for any professional or student preparing for a leadership position in the human services.

HSE* E261 Community Support Skills for Persons with Disabilities 3 ch

Previously: HS 261

*Prerequisite: HSE*161.*

An examination of the functional themes of human service work with the disabled including participant empowerment, assessment, facilitation of services, community living supports, crisis intervention, and others. Based on National Standards of Training, this course incorporates validated, state-of-the-art practices associated with direct care of the disabled population.

HSE* E262 Positive Behavioral Supports for Persons with Disabilities 3 ch

Previously: HS 262

Prerequisite: HSE 161.*

An examination of the behavioral analysis principles and strategies which provide the foundation for developing and implementing a successful and comprehensive positive behavior modification program for individuals with disabilities in a community setting. This course explores methods of treating maladaptive behaviors with strategies emphasizing positive, appropriate and effective means of communications in the target population. Topics of focus include reinforcement principles, structure, incidental teaching, functional analysis, goal setting, and others.

HSE* E266 Professional and Ethical Issues in Disability Services 3 ch

Previously: HS 263

Prerequisite: HSE E161.*

A seminar exploring the many important ethical and professional issues facing the complex field of disability services in institutional and community settings. Topics of exploration include the most recent standards of care in the profession, appropriate ethical behavior in difficult situations, laws associated with disability treatment, future trends and opportunities in the field of disabilities. Guest speakers and presentations are used to highlight current issues and challenges in the field.

HSE* E280 Practicum in Disability Services

3 ch

Previously: HS 264

Prerequisite: Permission of the instructor.

Practicum and field placement under the guidance and supervision of selected disability agencies in the region. A process of experiential learning which integrates the knowledge, skills and attitudes concurrently being taught in the classroom. Open only to students enrolled in the Disabilities Certificate Program.

HSE* E285 Practicum in Children and Youth Mental Health 3 ch

Previously: HS 252

Prerequisite: Permission of the instructor.

Practicum and field placement under the guidance and supervision of selected children and youth mental health, education, and youth services agencies in the region. The Practicum is a process of experiential learning that integrates the knowledge, skills, and attitudes concurrently being taught in the classroom. Open only to students enrolled in the Children and Youth Mental Health Certificate Program.

HSE* E286 Practicum in Behavioral Health Care 3 ch

Previously: HS 214

Prerequisite: Permission of the instructor.

Practicum and field placement under the guidance and supervision of selected behavioral healthcare agencies in the region. A process of experiential learning which integrates the knowledge, skills, and attitudes concurrently being taught in the classroom. Open only to students enrolled in the Behavioral Healthcare Specialist Certificate Programs.

HSE* E287 Practicum in Mental Health 3 ch

Previously: HS 212

Prerequisite: Permission of the instructor.

Practicum and field placement under the guidance and supervision of selected mental health agencies in the region. The practicum is a process of experiential learning that integrates the knowledge, skills, and attitudes concurrently being taught in the classroom. Open only to students enrolled in the Mental Health Certificate Program.

HSE* E291 Human Services Internship I 3 ch

Previously: HS 204

Internship under the supervision and guidance of selected mental health and social service agencies in the region. A process of experiential learning which integrates the knowledge, skills and attitudes concurrently being taught in the classroom. Open only to Human Services Program majors.

HSE* E292 Human Services Internship II 3 ch

Previously: HS 205

Internship under the supervision and guidance of selected mental health and social services agencies in the region. A process of experiential learning which integrates the knowledge, skills and attitudes concurrently being taught in the classroom. Only open to Human Services Program majors.

COURSE DESCRIPTIONS

HUMANITIES

HUM* E299 Independent Study in Humanities 3 ch

Previously: HU 225 Code H

Prerequisite: Permission of the instructor.

Individual study of a special area, topic, theme or problem in the humanities by agreement with the instructor.

ITALIAN

ITA* E101 Elementary Italian I 3 ch

Previously: IT 101 Code H

Stresses pronunciation, aural comprehension and conversation as well as the principles of grammar in order to reach facility in reading, writing, and speaking the language. Laboratory time is required weekly.

ITA* E102 Elementary Italian II 3 ch

Previously: IT 102 Code H

Prerequisite: ITA E101 or permission of the instructor.*

A continuation of ITA* E101. Laboratory time is required weekly.

ITA* E201 Intermediate Italian I 3 ch

Previously: IT 103 Code H

Prerequisite: ITA E102, or two years of high school Italian.*

Review of grammar, oral drill, reading and conversation. Some reading of contemporary prose. Laboratory time is required weekly.

ITA* E202 Intermediate Italian II 3 ch

Previously: IT 104 Code H

Prerequisite: ITA E201 or permission of the instructor.*

A continuation of ITA* E201. Laboratory time is required weekly.

ITA* E299 Independent Study in Italian 3 ch

Previously: IT 225 Code H

Prerequisite: Permission of the Foreign Language faculty.

Designed for those students who wish to obtain credit in a selected topic in Italian. Students should have a high academic standing in Italian language.

LATIN

LAT* E101 Elementary Latin I (Distance Learning) 3 ch

Previously: LT 101 Code H

The first of a series of four courses designed to develop the ability to speak, hear, read, and write Classical Latin. The course includes an introduction to the history of the Latin language, pronunciation, the first three noun declensions, the demonstrative pronouns hic, ille, and iste, the four verb conjugations in the present, future and imperfect tenses, the irregular verbs sum and possum in addition to word order, agreement of adjectives, apposition, and various sentence structures. This is distance learning course requiring a computer and internet connection.

LAT* E102 Latin II 3 ch

Code H

Prerequisite: LAT E101.*

The second in a series of courses designed to develop the ability to speak, read, and write Classical Latin. The course includes a quick review of LAT* E101 and the study of the personal, demonstrative, reflexive, intensive, possessive, relative, and interrogative pronouns; the perfect active system of all verbs; the passive voice; the i-stem and fourth declension nouns; numerals; and various genitives.

LAW - Business Office Technology

LAW E101 Legal Writing 3 ch

Code B

Prerequisite or Parallel: ENG E101 or permission of the instructor.*

An introduction to the law including case analysis and legal research. Students will learn how to prepare different legal documents including memoranda of law, motions, and appellate briefs.

LAW E102 Contracts 3 ch

Code B

Prerequisite or Parallel: ENG E101 or permission of the instructor.*

A study of basic contractual obligations including offer and acceptance and consideration. Various articles of the Uniform Commercial Code and common law contracts will be examined.

LAW E103 Litigation 3 ch

Code B

Prerequisite: ENG E101 or permission of the instructor.*

An in-depth examination of the process of bringing, maintaining and defending a lawsuit. Every step of the litigation process from pleadings to appeals will be discussed. Students will be exposed to actual court documents to illustrate the litigation process. Emphasis will be on legal communication and oral presentations will be required.

LAW E201 Torts 3 ch
Code B

Prerequisite: ENG E102.*

A survey of general principles of tort law including intentional torts, negligence, and strict liability. Emphasis will be on the practical application of the law for the legal assistant.

LAW E211 Family Law 3 ch
Code B

Prerequisite: ENG E102 or permission of the instructor.*

An introduction to domestic relations law including marriage dissolution, annulment, child custody, support obligations, domestic violence, and adoption. Students will become familiar with the different pleadings that are filed in family law cases including complaints, separation agreements, and child support guideline worksheets.

LAW E212 Real Property 3 ch
Code B

Prerequisite: ENG E102 or permission of the instructor.*

An introduction to the basic concepts of real estate transactions. The course will examine practical problems involving conveyances from the drafting of a purchase and sale contract to the closing of title. Other topics include the mechanics of title examination, mortgages, and foreclosures.

LAW E213 Probate Law 3 ch
Code B

Prerequisite: ENG E102 or permission of the instructor.*

A discussion of the basic concepts of estates and trust law with an emphasis on administration of estates. Students will be exposed to various related topics including federal income, inheritance, estate and gift taxes.

LAW E214 Business Organization 3 ch
Code B

Prerequisite: ENG E102 or permission of the instructor.*

A study of practical information regarding the formation, operation, and termination of business entities. Students will be required to complete the necessary documents to establish corporations and partnerships.

MANUFACTURING TECHNOLOGY

CAD* E133 CAD Mechanical AutoCad 3 ch
Previously: MFT* E105

Prerequisite or Parallel: MAT E137*

This course emphasizes the use of Computer Aided Drafting (CAD) for geometric construction; 3D modeling, orthographic projection; sectional and auxiliary views; and dimensioning and tolerancing. Assignments are completed using AutoCad software. Traditional equipment is used to reinforce pictorial sketching and drawing techniques. Students taking this course are expected to have a background in blueprint reading.

MFG* E102 Manufacturing Processes 3 ch
Previously: MFT* E110

Prerequisite: MFT E105.*

This course is designed to be the foundational course in the Industrial Technology Program. The course provides theoretical concepts as well as the development of the knowledge and skills required in the manufacturing process. The laboratory portion emphasizes practical application of machine tools and associated precision measuring tools and instruments. Labs will involve set-ups and procedures for milling machines, lathes, grinders

MFG* E120 Metrology 3 ch
Previously: MFT* E210

Prerequisite: MAT E137.*

This course is designed to develop dimensional measurement ability for inspectors, technicians, quality control personnel, and others who require this skill in their manufacturing environment. This course will emphasize open inspection methods.

MFG* E209 Engineering Processes 3 ch
Previously: MFT* E200

Prerequisite: MFT E110.*

This course provides an introduction to the structures and properties of industrial materials. The student will learn the properties of different materials and how the modification of microstructure can alter the properties of materials. The course will also focus on evaluating strengthening mechanisms and comparing different material property principles.

MFG* E226 Environmental, Safety, and Health Management 3 ch

Previously: MFT* E220

Prerequisite: MFT E200.*

This course will provide an introduction to Environment, Safety, and Health in the workplace. The course will introduce students to the safety and health field and address the application of engineering management principles and techniques to environmental, safety, health, and loss control. The topics include general safety, health, and risk assessment historical concepts and terms. Discussions will include historical developments, program management, problem identification, engineering assessment, hazard recognition, evaluation, and control. The course work will also introduce the student to measurement and evaluation systems, legal and regulatory requirements, environmental health and safety, industrial hygiene, safety engineering, product safety and public health, risk assessment analysis and management, accident investigation, ergonomics, and ethics and professionalism.

COURSE DESCRIPTIONS

MFG* E230 Statistical Process Control (SPC)

3 ch

Previously: MFT* E130

Prerequisite: MAT* E137.

This course focuses on the application of various charting techniques, statistical tools, and sampling methodologies to determine process capability and control.

MFG* E258 Computer Numeric Control (CNC)

3 ch

Previously: MFT* E240

Prerequisite: MFT* E110.

The topics in this course in CNC machinery and programming include: Cartesian coordinates, safe use of CNC equipment, set-up and operation of a two-axis CNC lathe and a three-axis CNC machining center, programming and run-off of parts.

MATHEMATICS

MAT* Developmental Studies

MAT* E075 and MAT* E095 are Developmental Studies courses. Please see the Developmental Studies subject area for descriptions.

MAT* E103 Mathematics of Finance

3 ch

Previously: MA 103

Code M

Prerequisite or Parallel: ENG* E101. *Prerequisite:* Satisfactory score on mathematics placement examination or MAT* E075, *Introduction to Mathematics.*

An elementary course covering a wide range of mathematics commonly used in business and personal finance. Topics include: simple and compound interest, present value, wages, taxes, insurance, and marketing and retailing mathematics.

MAT* E127 Elementary Statistics with Technology

3 ch

Previously: MA 104

Code M

Prerequisite: Satisfactory score on mathematics placement examination or MAT* E137, *Intermediate Algebra.* *Prerequisite or Parallel:* ENG* E101.

An elementary course in descriptive and inferential statistical procedures. Topics include: mean, median, mode, variability, standard deviation, standard scores, grouping data, histograms and frequency distributions, elementary probability theory and binomial probabilities, the normal distribution, hypothesis testing, and the Chi-Square test.

MAT* E135 Topics in Contemporary Mathematics

3 ch

Previously: MA 110

Code M

Prerequisite: Satisfactory score on mathematics placement examination or MAT* E095. *Prerequisite or Parallel:* ENG* E043.

An exposure to a wide range of mathematical topics, with an emphasis on critical thinking, problem solving, and the real number system. Topics may vary at the discretion of the instructor, and may include set theory, logic, number systems, financial management, geometry, probability and statistics, or mathematical systems. This course is intended for the student whose major field of study requires no specific mathematical preparation.

MAT* E137 Intermediate Algebra

3 ch

Previously: MA 115

Code M

Prerequisite: Satisfactory score on mathematics placement examination or MAT* E095 with a grade of "C" or higher.

The study of the algebraic techniques used to solve equations and inequalities and to perform basic operations with polynomials and rational expressions. This includes an introduction to the mathematical concept of functions and their graphs; a review of factoring and its applications to equation-solving and rational expressions; and an introduction to roots, radicals, and logarithms.

MAT* E186 Precalculus

4 ch

Previously: MA 130

Code M

Prerequisite: Satisfactory score on mathematics placement examination or MAT* E137 with a grade of "C" or higher.

A study of the concepts from algebra and trigonometry that will be used in calculus. Topics include: equation and inequalities, functions, relations, graphs, exponential and logarithmic functions, circular functions, trigonometric functions, polynomial and rational functions, and systems.

MAT* E254 Calculus I

4 ch

Previously: MA 201

Code M

Prerequisite: Satisfactory score on mathematics placement examination or MAT* E186 or the equivalent.

A study of differential calculus, including functions, the definition of limits, limit theorems, the definition of derivatives, differentiation formulas, implicit differentiation, applications of derivatives, differentials, maxima and minima problems, concavity, antiderivatives, and an introduction to integration.

MAT* E256 Calculus II

4 ch

Previously: MA 202

Code M

Prerequisite: MAT* E254.

A continuation of MAT* E254. Topics include: finding areas, volume and curve length using the integral, integration and differentiation of logarithmic, exponential hyperbolic and trigonometric functions, as well as techniques of integration and improper integrals.

MAT* E268 Calculus III: Multivariable 4 ch

Previously: MA 203 Code M

Prerequisite: MAT E256.*

A continuation of MAT* E256. Topics include: the calculus of multiple variables covering analytic geometry in 3-space, vector calculus, partial differentiation, multiple integrations, and infinite series.

MAT* E285 Differential Equations 3 ch

Previously: MA 204 Code M

Prerequisite: MAT E268.*

A course in techniques for solving various types of differential equations. Topics include: ordinary differential equations of the first and higher order, operators, successive approximations, interpolation and numerical integration, infinite series, and Laplace transforms.

MAT* E298 Special Topics in Mathematics

3 ch

Previously: MA 225 Code M

Prerequisite: Sophomore standing and departmental approval.

An independent study course for those students who wish to obtain credit in a specific course which the College does not generally offer.

MUSIC

MUS* E101 Music History and Appreciation I

3 ch

Previously: MU 101 Code F

A chronological study of Western music from the Middle Ages to the present. Various genres will be placed in their historical context and students will become familiar with basic musical terminology and its application. The course will also cover general trends in music composition and the major composers.

MUS* E115 Music Theory I 3 ch

Previously: MU 107 Code F

A survey of the elementary materials of music. Introduction to the concepts of rhythm, tonality, melody, texture, architectural form and timbre upon which musical organization is based. This course will include analysis, ear training, and written exercises.

MUS* E116 Music Theory II 3 ch

Code F

Prerequisite: MUS E115 or permission of the instructor.*

A continuation of the elementary materials of music learned in MUS* E115. Further development in the concepts of rhythm, tonality, melody, texture, architectural form and timbre upon which musical organization is based. This course will include analysis, ear training, and written exercises.

MUS* E137 History & Appreciation of Jazz

3 ch

Previously: MU 105 Code F

African-European heritage of jazz; chronological development from early New Orleans through present trends. Presentation and discussion of important soloists, combos, and large ensembles. Included as part of the course will be attendance at live jazz concerts, lectures, and live performances during class time; use of recordings and films to illustrate characteristics of jazz.

MUS* E139 Latin and Caribbean Music 3 ch

Previously: MU 120 Code F

An introduction to the variety of music from diverse ethnic groups of the Caribbean and Latin America. The influences of Spain, Africa, Portugal, and other countries on the music of the region will be examined. In addition, the course will explore how the music of the Caribbean and Latin America has made strong impact abroad. The study will also include how the elements of popular culture, dance, and folk music of the region are interrelated.

OCCUPATIONAL THERAPY ASSISTANT

OTA* Courses General Information

All OTA courses are restricted to OTA majors (Special admission required).

OTA* E111 Foundations of Occupational Therapy 3 ch

Previously: OTA 110

Prerequisite: ENG E101.*

An introduction to the profession of occupational therapy including its history and philosophical base. Students will develop basic vocabulary, professional skills and attitudes essential to the profession. Restricted to OTA majors.

OTA* E113 Task Analysis 1 ch

Previously: OTA 107

Prerequisite or Parallel: ENG E101.*

A basic laboratory course in task analysis as it applied to understanding human occupation. Students will explore performance components, environmental adaptations and modifications according to individual needs. Restricted to OTA majors.

OTA* E115 Occupational Therapy Assistant I 4 ch

Previously: OTA 101

Prerequisite or parallel: ENG E101, PSY* E111, OTA* E111.*

An overview of the disabilities and diseases that affect children and the study of occupational therapy theory and practice as it relates to these conditions. 3 hours lecture and 3 hours laboratory. Restricted to OTA majors.

COURSE DESCRIPTIONS

OTA* E121 Kinesiology 4 ch

Previously: OTA 216

Prerequisite: BIO* E115 or permission of instructor.

The study of activity analysis in human movement as it relates to functional biomechanics, muscle physiology, joint structure and function, and coordinated muscular function. Students will develop skills in goniometry, manual muscle testing, and activity analysis. Analysis of biomechanical forces on upper extremity function will be stressed using clinical examples related to the practice of Occupational Therapy. Restricted to OTA majors.

OTA* E123 Occupational Therapy Assistant II 4 ch

Previously: OTA 102

Prerequisite: OTA* E115.

An overview of the disabilities and diseases that affect adults and the study of occupational therapy theory and practice as it pertains to these conditions. 3 hours lecture and 3 hours laboratory. Restricted to OTA majors.

OTA* E125 Group Dynamics in Occupational Therapy 3 ch

Previously: OTA 109

Prerequisite: ENG* E101, PSY* E111, OTA* E111.

A theoretical basis and practical application of group treatment within the context of theories commonly used in occupational therapy treatment. The emphasis is on application of skills in mental health settings. Restricted to OTA majors.

OTA* E127 Occupation in Treatments 1 ch

Previously: OTA 215

Prerequisite or Parallel: OTA* E113.

A laboratory-based course in which students study the social, cultural, and personal meanings inherent in activities used in occupation-based treatment. Restricted to OTA majors.

OTA* E213 Occupational Therapy Assistant III 4 ch

Previously: OTA 201

Prerequisite: OTA* E123.

An overview of the disabilities and diseases that affect elderly adults and the study of occupational therapy theory and practice as it pertains to the treatment of these conditions. Restricted to OTA majors.

OTA* E217 Case Studies in Occupational Therapy 4 ch

Previously: OTA 202

Prerequisite: OTA* E123.

A study of specific treatment principles, techniques and applications presented in a case study format. 3 hours of lecture and 3 hours of laboratory each week. Restricted to OTA majors.

OTA* E219 Occupational Therapy Assistant Seminar 2 ch

Previously: OTA 211

Prerequisite: OTA* E213.

A study of the agencies (private, state and federal), the laws, and the people influencing the practice of occupational therapy and the role of the COTA. Restricted to OTA majors.

OTA* E221 Professional Preparation 1 ch

Previously: OTA 217

This course will provide an overview of the current job market and strategies for completing the certification exam and successfully entering the workforce. Students will develop necessary skills to becoming a professional. Restricted to OTA majors.

OTA* E231 Clinical Practicum - Level IIA 5 ch

Previously: OTA 212

Prerequisite: Permission of instructor.

Two hundred and forty hours of full-time performance displaying entry-level OTA skills in an Occupational Therapy department working under the supervision of a Registered/Licensed Occupational Therapist. Restricted to OTA majors.

OTA* E233 Clinical Practicum - Level IIB 5 ch

Previously: OTA 214

Prerequisite: Permission of instructor.

Eight weeks of full-time performance displaying entry-level OTA skills in an Occupational Therapy department working under the supervision of a registered/licensed occupational therapist. Restricted to OTA majors.

PHILOSOPHY

PHL* E101 Introduction to Philosophy 3 ch

Previously: HU 200

Code H

Prerequisite: ENG* E102.

Introduces the student to the major branches of philosophy. Readings include works from the philosophy of ethics, politics, religion, ontology, knowledge, and aesthetics.

PHL* E102 Contemporary Philosophical Thought 3 ch

Previously: HU 102

Prerequisite: ENG* E101.

Intended to make philosophy relevant to students undertaking their first sustained study of the subject. To achieve this end, the pros and cons of provocative contemporary issues are explored, which in turn raise fundamental philosophical issues.

PHL* E151 World Religions 3 ch
Code H

Prerequisite: ENG E101.*

A general survey of the origins, beliefs, and contemporary practices of Hinduism, Islam, Taoism, Zen Buddhism, Judaism, Christianity, and Confucianism. Attention is given to the interaction of specific religions and the cultures in which they are practiced.

PHYSICAL THERAPY

PTA* Courses General Information

All PTA courses are restricted to PTA majors (Special admission required). All PTA courses are taught at Naugatuck Valley Community College (NVCC).

PTA* E120 Introduction to Physical Therapy (taught at NVCC) 3 ch
Code C

Prerequisite: Admission to the PTA Program.

Learning opportunities in this course assist the student to recognize the roles of physical therapy within various practice settings. Students differentiate functions of physical therapists and physical therapist assistants as members of the health care team through the study of documentation principles, ethics, laws and organizations important to the provision of services. Learning also includes development of knowledge and abilities within the domains of conduct, communication, and sensitivity to individual and cultural differences.

PTA* E125 Physical Therapy for Function (taught at NVCC) 4 ch

Previously: PT 101

Prerequisite: Admission to the PTA Program.

This course provides the student with introductory concepts and techniques for effective patient teaching and physical therapy intervention for function and mobility. Emphasis is placed on competence in problem-solving and the physical therapist assistant's role in modification of physical therapy interventions. 3 hours lecture and 3 hours laboratory.

PTA* E220 Introduction to Physical Therapy Clinic (taught at NVCC) 3 ch

Previously: PT 210

PTA E120 and PTA* E125 with a grade of "C" or higher.*

This course provides an orientation to the physical therapy clinic and to the provision of physical therapy interventions. Students develop communication, intervention, and problem-solving techniques within physical therapy clinic.

PTA* E230 Physical Agents in Physical Therapy (taught at NVCC) 4 ch

Previously: PT 102

Prerequisite: PTA E120 and PTA* E125 with a grade of "C" or higher, PTA* E220 with a grade of "P."*

This course develops the student's competence with problem solving and application of physical therapy interventions using physical agents including applications of heat, cold, water, electricity, light, and mechanical forces or devices. 3 hours lecture and 3 hours laboratory.

PTA* E235 Kinesiology for Rehabilitation (taught at NVCC) 4 ch

Previously: PT 202

Prerequisite: PTA E120 and PTA* E125 with a grade of "C" or higher, PTA* E220 with a grade of "P."*

This course fosters learning of the anatomical and biomechanical principles of human movement through the study of musculoskeletal and nervous systems. Competencies attained include posture and gait analysis including the effects of biomechanical forces on the human body.

PTA* E250 Therapeutic Exercise (taught at NVCC) 4 ch

Previously: PT 203

Prerequisite: PTA E230 and PTA* E235 with a grade of "C" or higher.*

Learning includes the theory and techniques to safely and effectively implement therapeutic exercise interventions based on a plan of care established by a physical therapist. Students also develop competence to measure a patient's response to interventions and respond accordingly and to provide effective instruction to patients and caregivers. 3 hours lecture, 3 hours laboratory.

PTA* E253 Pathophysiology for Rehabilitation (taught at NVCC) 3 ch
Code C

Previously: PT 204

Prerequisite: PTA E230 and PTA* E235 with a grade of "C" or higher.*

This course develops comprehension about abnormalities and the physical, physiological, and psychological changes that occur throughout the human lifespan. The student learns the effects of pathology on the rehabilitation of patients with orthopedic, neurological, and general medical conditions.

PTA* E258 PTA in the Healthcare Area (taught at NVCC) 2 ch

Prerequisites: PTA E230 and PTA* E235 with a grade of "C" or higher.*

This course develops the student's ability to apply physical therapy interventions and data collection techniques within the clinic environment and advances the student's abilities with communication, conduct and problem-solving within the structure of the health care system.

COURSE DESCRIPTIONS

PTA* E260 Physical Therapy Seminar (taught at NVCC) 2 ch

Previously: PT 211

Prerequisite: PTA* E250. PTA* E253, and PTA* E258 with a grade of "C" or higher.

In this course, students demonstrate the ability to apply principles of problem solving to selected professional issues, industry trends, and special populations may be encountered as a physical therapist assistant. Learning opportunities assist the student in transition from student to clinician and in the identification of interest areas for lifelong learning.

PTA* E262 PTA Internship II (taught at NVCC) 5 ch

Previously: PT 212

Prerequisite: PTA* E250. PTA* E253, and PTA* E258 with a grade of "C" or higher.

Within this clinic-based course students learn to integrate and apply physical therapy concepts and effectively perform physical therapy interventions as a physical therapist assistant. Students develop their abilities for daily organization and management of a patient caseload and effectively contribute to the health care team.

PTA* E265 PTA Internship III (taught at NVCC) 5 ch

Previously: PT 214

Prerequisite: PTA* E250. PTA* E253, and PTA* E258 with a grade of "C" or higher.

Within this clinic-based course students learn to problem-solve and competently function in the clinic environment as a physical therapist assistant. Students develop competence with time management, clinical prioritization, and the entry-level abilities of the physical therapist assistant prior to course completion.

PHYSICS

PHY* E121 General Physics I 4 ch

Previously: PH 101

Code S

Prerequisite: MAT* E137 with a grade of "C" or higher.

Begins with a review of essential arithmetic operations, dimensional analysis, and systems of measurements. Then basic concepts in mechanics, energy, rotation, properties of matter, and heat are developed. Specific topics covered include: motion, Newton's three laws, vectors, uniformly accelerated motion, forces, motion due to gravity, work and energy, momentum, angular motion, rotation, mechanical properties of matter, and temperature. 3 hours of lecture and 3 hours of laboratory.

PHY* E122 General Physics II 4 ch

Previously: PH 102

Code S

Prerequisite: MAT* E137 with a grade of "C" or higher.

Discussion of basic concepts in sound, wave motion, electricity, magnetism and light. Specific topics covered include: vibratory motion, wave motion, sound, electrostatics, circuit elements, direct-current circuits, magnetism, electromechanical devices, properties of light, reflection and refraction of light, lenses, mirrors, and other optical devices, interference and diffraction of light. 3 hours of lecture and 3 hours of laboratory. **Note:** PHY*122 may be taken before PHY*121 if a student has a strong background; permission of instructor is required.

PHY* E221 Calculus-Based Physics I 4 ch

Previously: PH 205

Code S

Prerequisite or Corequisite: MAT* E254.

Provides a solid foundation for engineering majors in physical quantities, vectors, equilibrium, motion, Newton's Law, motion in a plane, work and energy, impulse and momentum, moments, and rotation. 3 hours lecture and 3 hours laboratory.

PHY* E222 Calculus-Based Physics II 4 ch

Previously: PH 206

Code S

Prerequisite or Corequisite: MAT* E256.

A solid foundation for engineering majors in periodic motion, hydrostatics, hydrodynamics, temperature, heat, Coulomb's Law, electric field, Ohm's Law, DC circuits, light, reflection, refraction, interference and the diffraction of light, lenses, and mirror. 3 hours lecture, and 3 hours laboratory.

POLISH

PLH* E101 Elementary Polish I 3 ch

Code H

This course presents the pronunciation and phonetic system of the language, basic vocabulary and fundamental grammatical principles. The course involves all language skill areas: listening comprehension, speaking, reading comprehension and writing and introduces fundamental information regarding the geography, history and culture of Poland and Polish-Americans.

PLH* E102 Elementary Polish II 3 ch

Code H

PLH E101 or permission of instructor.*

Continuation of PLH* E101.

POLITICAL SCIENCE

POL* E101 Introduction to Political Science

3 ch

Previously: GO 116

Code SS

Prerequisite or Parallel: ENG E101.*

A study of political ideology and power in the modern world. This course presents a broad introduction to political theory and concepts. The history and development of basic political themes, such as justice, law, equality, democracy, and nationalism will be discussed in a comparative context.

POL* E102 Introduction to Comparative Politics

3 ch

Previously: GO 115

Code SS

Prerequisite or Parallel: ENG E101.*

A comparative survey of the structures and functions of the national governments of selected industrialized and third world nations. Topics to be discussed will include key institutions, political attitudes, patterns of interaction, and contemporary issues facing each nation.

POL* E111 Introduction to American Government

3 ch

Previously: GO 101

Code SS

Prerequisite or Parallel: ENG E101.*

A study of the Constitution, federalism, and other basic concepts of American government will be emphasized. Topics to be discussed are: executive, legislative, and judicial branches of government; national policy making – both domestic and foreign; political parties; interest groups and elections; civil rights; and suffrage.

POL* E112 State and Local Government

3 ch

Previously: GO 201

Code SS

Prerequisite or Parallel: ENG E101.*

A study of the organization, institutions, and major problems of state and local government in the United States, with special emphasis on government in Connecticut. In addition to classroom work, students will go out into the community to observe various aspects of state and local politics. For example, students might attend legislative sessions, or interview, or spend the day with, politicians. There will also be guest speakers who are active in state and local politics.

POL* E191 Rules of Order: Parliamentary Procedure I

1 ch

Previously: GO 111

Code SS

Prerequisite: Election or appointment to the Student Senate.

A study of the creation, organization and work of a political group using democratic principles. The strength and weaknesses of the democratic form of government will be studied. The foundation of the course is parliamentary procedures and Student Senate meetings will be the laboratory in which these skills will be practiced. Leadership and managerial roles will be studied and the opportunities for the practical application of these many roles will be furnished. As a study of human interrelationships in the democratic political environment, the course will provide the opportunity for the student to develop the skills necessary for effective participation in community organizations.

POL* E192 Rules of Order: Parliamentary Procedure II

1 ch

Previously: GO 112

Code SS

Prerequisite: POL E191.*

A continuation of POL* E191: Rules of Order: Parliamentary Procedure I.

POL* E193 Rules of Order: Parliamentary Procedure III

1 ch

Previously: GO 113

Code SS

Prerequisite: POL E192.*

A continuation of POL* E192: Rules of Order: Parliamentary Procedure II.

POL* E194 Rules of Order: Parliamentary Procedure IV

1 ch

Previously: GO 114

Code SS

Prerequisite: POL E193.*

A continuation of POL* E193: Rules of Order: Parliamentary Procedure III.

PSYCHOLOGY

PSY* E104 Psychology of Adjustment

3 ch

Previously: PY 104

Code BS

A study of the major forces which shape an individual's personality, along with special emphasis on the origins of or factors in adaptive and maladaptive behavior; ways of recognizing blocks to one's own creative and other productive energies; and of removing these obstructions through conscious choices.

PSY* E111 General Psychology I

3 ch

Previously: PY 101

Code BS

Prerequisite or Parallel: ENG E101.*

An introduction to the basic principles, findings, and methods of study relating to human behavior. Topics include: history/research methodology, biological basis for behavior, sensation and perception, learning, memory, states of consciousness, and stress/health psychology. The course is designed to provide a foundation for more advanced study in psychology and related fields.

PSY* E112 General Psychology II

3 ch

Previously: PY 102

Code BS

Prerequisite PSY E111.*

An introduction to the basic principles, findings, and methods of study relating to human behavior. Topics include: motivation and emotion, cognition, language, human development, personality theory, social psychology, and culture and diversity in psychology. The course is designed to introduce students to some of the more specialized areas for future study in psychology and related fields.

COURSE DESCRIPTIONS

PSY* E140 Psychology of Addiction 3 ch

Previously: PY 208 Code BS

Prerequisite: PSY E111 or permission of the instructor.*

Provides an expectation of the psychological issues associated with addictive behavior. Particular areas of concern include alcoholism, drug addiction, eating addictions, gambling disorder, relationship dependency and other addictive traits. Examines current research and treatment techniques.

PSY* E202 Child Psychology & Development 3 ch

Previously: PY 205 Code BS

Prerequisite: PSY E111 or permission of the instructor.*

Presents a study of human development from conception to adolescence. Students are guided in the development of a scientific and objective attitude toward the interpretation of child behavior. They observe children and analyze their behavior in each of the following areas: motor, social, language, and emotional development. Other areas studied include methods of child study, the interacting influences of heredity and environment, the prenatal period, the neonate, physical growth, mental development, learning and personality.

PSY* E205 Adolescent Development 3 ch

Previously: PY 206 Code BS

Prerequisite: PSY E111.*

An investigation of the scope of present knowledge, theory, methods and problems encountered in growth and development from adolescence through adulthood. Topics include biological, psychological and social factors, developmental stages, individuals in various social settings and institutions.

PSY* E208 The Psychology of Adult Development & Aging 3 ch

Previously: PY 211 Code BS

Prerequisite: PSY E111 or permission of the instructor.*

A study of present research covering the span of life from young adult through death. Information on theories of adult development, physiological changes, personality, social behavior, vocations and avocations, marriage and family life, aging and death will be examined.

PSY* E210 Death and Dying 3 ch

Previously: PY 212 Code BS

Prerequisite: PSY E111 or permission of the instructor.*

An in-depth exploration of human emotions, attitudes, and behaviors associated with death and dying. Topics include the study of historic and religious foundations, suicide, euthanasia, bereavement, preparations, coping with fear, dealing with children, and theories concerning life after death and reincarnation. The course is designed to provide stimulus for introspection of individual problem areas.

PSY* E217 Psychology of Criminal Behavior

3 ch

Previously: PY 217 Code BS

Prerequisite: PSY E111 or permission of the instructor.*

An exploration of the psychological factors in delinquent behavior of individuals. Topics include biological factors, personality and crime, psychodynamic theories, frustration-aggression theory, psychopathic offenders and treatment concerns. Diversity issues addressed.

PSY* E240 Social Psychology 3 ch

Previously: PY 215 Code BS

Prerequisite: PSY E111 or permission of the instructor.*

An examination of personal and situational factors which affect individual behavior within a social context. Topics include "nature of self," affiliation, aggression, group formation, and environmental psychology. Multicultural issues are explored.

PSY* E241 Psychology of Sports and Wellness 3 ch

Previously: PY 214 Code BS

Prerequisite: PSY E111 or permission of the instructor.*

A comprehensive study of the psychological concepts related to fitness, sports behavior and health. The course covers the history, evolution and foundations of this emerging field of study and practice. Topics include personal goal-setting, motivation, imaging, personality characteristics of athletes, competitive anxiety, psychology of coaching, team cohesion, the effects of sports on spectators and the psychological aspects of health. This course will be helpful to those interested in organized sports activities, as well as personal wellness and health.

PSY* E243 Theories of Personality 3 ch

Previously: PY 216 Code BS

Prerequisite: PSY E111 or permission of the instructor.*

An introduction to the structure, dynamics and development of personality. The focus is on psychoanalytic, ego-psychological, behavioristic, humanistic, cognitive-developmental, and Eastern perspectives.

PSY* E245 Abnormal Psychology 3 ch

Previously: PY 210 Code BS

Prerequisite: PSY E111 or permission of the instructor.*

Concepts of normality and abnormality, in terms of statistical frequency, cultural/social norms and deviance, degree of impairment or disordered behavior. Examination of various types of maladaptive disorders, their determinants or causative factors, and forms of treatment.

PSY* E247 Industrial & Organizational Psychology 3 ch

Previously: PY 213 Code BS

Prerequisite: PSY E111 or permission of the instructor.*

The application of psychological techniques as related to business and industry with emphasis on: selection and training, motivation and morale, worker efficiency, analysis and evaluation of job performance, accidents, safety, leadership, and supervision.

RUSSIAN

RUS* E101 Elementary Russian I 3 ch Code H

This course presents the pronunciation and phonetic system of the language, basic vocabulary and fundamental grammatical principles. The course involves all language skill areas: listening comprehension, speaking, reading comprehension and writing and introduces fundamental information regarding the geography, history and culture of Russia.

RUS* E102 Elementary Russian II 3 ch Code H

RUS E101 or permission of the instructor.*

Continuation of RUS* E101.

SCIENCE/SCIENCES

SCI* E225 Special Problems in the Natural Sciences 3 ch

Previously: NS 225

Prerequisite: Permission of the instructor.

A research-oriented laboratory course under the personal supervision of a member of the science department faculty designed to give an advanced student exposure to problem solving in the natural sciences. Problems may be selected in biology, chemistry, earth sciences, medical and allied health sciences, or Math and Science. For most students, the course will serve as a first real exposure to how research is done in the natural sciences. The course will generally involve six (6) hours of laboratory and 1-2 hours of personally supervised contact per week. Hours to be arranged. The course may be taken for credit more than once.

SOCIOLOGY

SOC* E101 Principles of Sociology 3 ch Code BS

Previously: SO 101

Prerequisite or Parallel: ENG E101.*

An introduction to the study of society, emphasizing the nature of social groups, institutions, interaction, and change in modern society. The course will cover culture, socialization of children and adults, sex and gender, race and ethnic relations, social stratification and inequality, and other topics such as education, health care, the family, crime, aging, politics and the state, religion, and work and the economy. Discussion and examples will focus primarily on the United States but with a strong global and multicultural component.

SOC* E201 Contemporary Social Issues 3 ch Code BS

Previously: SO 202

Code BS

Prerequisite: SOC E101 or permission of the instructor.*

The application of sociological principles and methods to selected problems of the United States society. The impact of a changing technology upon family, religious, educational, political, economic and community institutions is emphasized. The study includes an analysis of the developmental background of, and proposed solutions to, the problems selected for consideration.

SOC* E210 Sociology of the Family 3 ch Code BS

Previously: SO 206

Code BS

Prerequisite: SOC E101 or permission of the instructor.*

A study of the family using sociological analysis to better understand this most basic of institutions and its interdependence with other social institutions. Emphasis upon family life cycle, gender roles, alternative life styles, and the impact of social change.

SOC* E212 Sociology of Women 3 ch Code BS

Previously: SO 210

Code BS

Prerequisite: ENG E101.*

A survey of the status and contributions of women with special emphasis on new options and changing roles. An examination of the psychological and sociological process shaping the role of women and the effects of sex-role socialization. Instruction will be by lecture, films, guest lectures, class discussion, assigned readings and student presentation of projects or papers.

SOC* E213 Human Sexuality 3 ch Code BS

Previously: SO 208

Code BS

Prerequisite: SOC E101 or PSY* E111 or permission of the instructor.*

Biology, psychology and sociology are the disciplines upon which this course is based. It approaches human sexuality as a comprehensive and integrated policy topic by viewing sexual behavior in an evolutionary, historical, and cross-cultural perspective.

SOC* E220 Racial and Ethnic Diversity 3 ch Code BS, SS

Previously: SO 211

Code BS, SS

Prerequisite: SOC E101 or permission of the instructor.*

A study of racial and ethnic groups in the United States. The course will cover immigration, the history and culture of nations from which immigrants came, and theoretical perspectives and data regarding each group's adaptation to and treatment by the dominant culture. Representative cultures from Africa, the Americas, Asia, and Europe will be studied. This course may be used for either history or sociology credit.

SOC* E222 The African-American Experience 3 ch

Previously: SO 212

Code BS, SS

Prerequisite: SOC E101 or permission of the instructor.*

An examination of the historical, economic, social, political, and cultural experiences of Africans in America. The course emphasizes the diverse nature of those experiences and the different ways they have been interpreted. This course may be used for either history or sociology credit.

COURSE DESCRIPTIONS

SOC* E223 The Puerto Rican Experience 3 ch

Previously: SO 213 Code BS

Prerequisite: SOC* E101 or permission of the instructor.

A survey of Puerto Rican society, both in Puerto Rico and in the United States. The course will explore the history, culture, values, traditions, relationships, politics, art, literature, and daily life of Puerto Ricans from Pre-Columbian times to the present.

SOC* E230 The City 3 ch

Previously: SO 203 Code BS

Prerequisite: SOC* E101 and POL* E111 or permission of the instructor.

A study of urbanization, its origin, rise, present importance and probable future development.

SOC* E240 Sociology of Crime and Punishment 3 ch

Previously: SO 215 Code BS

Prerequisite: SOC* E101.

A close examination of how society's norms and social values interact with the criminal justice system. Students will gain an understanding of the relationship between society and the police, courts and other criminal agencies. Issues pertaining to violent crime, punishment, inequality and discrimination will be discussed. This course will also focus on issues regarding "the war on crime," society's fear of crime and other relevant, current criminal issues.

SOC* E261 School and Community 3 ch

Previously: SO 207 Code BS

Prerequisite: ENG* E101.

A guided field experience for students entering the fields of teaching, psychology, sociology, social welfare, child care, law enforcement, urban technology, health care services, and other areas of community development. Based on the individual student's needs and career objectives, the course provides the opportunity for volunteer work in schools and community agencies under the guidance of college faculty and agency professionals. Most of the semester will be spent in the community placements. Students will keep a journal. The class will meet as a seminar only a few times to share experiences, resources, ideas, and to discuss the relevance of the readings to the community service.

SOC* E271 Religion, Society, and the Individual 3 ch

Previously: SO 214 Code BS

Prerequisite: SOC* E101 or permission of the instructor.

A survey of the insights of sociology, this course explores the role of religion in the social construction of meaning, values, and behavior patterns. Historical patterns as well as modern trends in religion are examined. The nature of religion and its effect upon the individual and society are examined by using examples drawn from a variety of religions from all over the world. Particular attention is paid to Hinduism, Buddhism, Judaism, Christianity, and Islam.

SOC* E298 Special Topics in the Behavioral and Social Sciences 3 ch

Previously: SO 200, ST E200 Code BS, SS

Prerequisite: ENG* E102 or permission of the instructor.

An opportunity to explore selected contemporary subjects, encompassing one or more of the behavioral and social science disciplines. Approved by instructor and chairperson.

SPANISH

SPA* E101 Elementary Spanish I 3 ch

Previously: SP 101 Code H

Stresses pronunciation, aural comprehension and conversation, as well as the principles of grammar in order to reach facility in reading, writing, and speaking the language. Laboratory time is required weekly.

SPA* E102 Elementary Spanish II 3 ch

Previously: SP 102 Code H

Prerequisite: SPA* E101 or permission of the instructor.

A continuation of SPA* E101. Laboratory time required weekly.

SPA* E201 Intermediate Spanish I 3 ch

Previously: SP 103 Code H

Prerequisite: SPA* E102, or two years of high school Spanish.

Review of grammar, oral drill, reading and conversation. Some reading of contemporary prose. Laboratory time is required weekly.

SPA* E202 Intermediate Spanish II 3 ch

Previously: SP 104 Code H

Prerequisite: SPA* E201 or permission of the instructor.

A continuation of SPA* E201. Laboratory time is required weekly.

SPA* E251 Advanced Spanish I 3 ch

Previously: SP 201 Code H

Prerequisite: SPA* E202 or four years of high school Spanish or permission of the instructor.

Intensive vocabulary building and study of idiomatic usage. Practice in oral reports based on topics of general interest. Advanced problems in syntax and weekly themes written in Spanish. Laboratory time is required weekly.

SPA* E252 Advanced Spanish II 3 ch

Previously: SP 202 Code H

Prerequisite: SPA* E251 or permission of the instructor.

A continuation of SPA* E251. Weekly themes and laboratory time required.

SPA* E265 Culture & Civilization of Spain

3 ch

Previously: SP 204

SPA* E299 Independent Study in Spanish

3 ch

Previously: SP 225

Code H

Prerequisite: Permission of the Foreign Language faculty.

Designed for those students who wish to obtain credit in a selected topic in Spanish. Students should have a high academic standing in Spanish language. Also taught in Spanish.

THEATER ARTS

THR* E101 Introduction to Theater

3 ch

Previously: THA 101

Code F

A study of basic theories and elements of theater arts, including the dramatic construction of scripts, performance techniques and the administration of theater management. Students will learn what makes theater work, from the page to the stage and out to the audience. Students will be required to attend live theater performances to fulfill writing assignments.

THR* E102 Theater History (Fall only)

3 ch

Previously: THA 105

Code F

Prerequisite: ENG E101.*

A concise study of the history of theater from the Greek and Roman theater to the present. Each era of history will be examined through formal study, plays, skits, slides, and video. Students will be required to attend live theater performances to fulfill writing assignments.

THR* E110 Acting I

3 ch

Previously: THA 109

Code F

Prerequisite or Parallel: THR E101.*

A practical approach to the art of acting with emphasis on the fundamental tools of the actor including development of the imagination, creative interpretation, characterization, script analysis, improvisation, voice and movement. The course combines individual and group exercises and assignments. This course meets 6 hours. Students will be required to attend live theater performances to fulfill writing assignments.

THR* E112 Voice & Diction (Fall only)

3 ch

Previously: THA 107

Code F

A study of basic theories and exercises to teach the fundamentals of voice and diction for the theater. Emphasis will be on relaxation and preparation, proper breathing techniques, correct vowel formation, knowledge of different resonators, power of projection, word association, and linking one's voice to character development. Students will be required to attend live theater performances to fulfill writing assignments.

THR* E114 Modern Dance (Fall only)

3 ch

Previously: THA 115

Code F

This course is an exploration of the basic techniques, styles, concepts, and composition of theatrical dance and movement. Emphasis will be placed on movement expression of emotion, intentions, gestures, and physical characterization. The use of music and theatrical texts will provide the foundation for the work. This course meets 6 hours each week.

THR* E120 Stagecraft

3 ch

Previously: THA 108

A survey of the various components of stagecraft and production techniques. Students will learn about the basic requirements for effective theatrical productions and gain an overview of the skills required in set design, lighting design, sound design and costume design. Lectures will be combined with studio activities.

THR* E190 Theater Arts Practicum I

3 ch

Prerequisite: THR E110 or THR* E120.*

This course involves students fulfilling major responsibilities for the production of a play. Areas such as acting, the design and development of sets, props, costuming, make-up, lighting, sound, and theater administration and management will be explored through the process of rehearsing and producing a play for performance.

THR* E210 Acting II (Spring only)

3 ch

Previously: THA 209

Code F

Prerequisite: THR E110.*

A continuation of THR* E110 intensifying the development of the fundamental tools of the actor. Students will gain knowledge of the techniques of classical acting by studying and performing scripts from Greek plays, Commedia del' Arte, Shakespeare, French farce and melodrama. This course meets 6 hours each week. Students will be required to attend live theater performances to fulfill writing assignments.

THR* E225 Directing (Spring only)

3 ch

Previously: THA 214

Code F

Prerequisite: THR E101 and ENG* E101.*

A study of the basic methods and techniques of directing plays, with special emphasis on script analysis, imaginative concept development, and methods of rehearsing and working with actors. Students will be required to direct short scenes.

THR* E290 Theater Arts Practicum II

3 ch

Prerequisite: THR E190.*

This course provides a continuation of the activities as described in THR 190 with an emphasis on further development of theater arts skills.