Administrative Business Tech

ABT

ABT 100 - Fundamentals of Keyboarding
Description: Introductory keyboarding course using Microsoft Word. Emphasis is placed on learning the keyboard reaches and developing speed and accuracy. Instruction will include the formatting and keying of letters, memorandums, and reports. The following features will be presented: enhancing text, placing and aligning text, using writing tools, managing files, and printing documents. In addition, timed writings will be given to improve speed and accuracy development. (2 lecture, 2 laboratory hours) Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Administrative Business Tech

ABT 102 - College Keyboarding
Prerequisites: ABT 100 or permission of the Chairperson.
Description: Fundamentals of skill building using Microsoft Word. Application of basic skills in the production of letters, envelopes, memos, outlines, reports, agendas, minutes, resumes, and tables. Emphasis is placed on the following features: processing text, formatting characters, placing and aligning text, using writing tools, managing files, and printing documents. In addition, timed writings will be given to improve speed and accuracy development. (2 lecture, 2 laboratory hours) Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 3
Department: Administrative Business Tech

ABT 105 - Administrative Business Technology Workshop
Prerequisites: ABT 109 or permission of the Chairperson.
Description: A course to consolidate and reaffirm previously acquired office skills, to prepare business documents, and to acquaint the students with a wide range of office activities and procedures. (2 lecture, 2 laboratory hours) Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 3
Department: Administrative Business Tech

ABT 107 - Machine Transcription
Description: This course is designed to develop competency in transcribing letters, memoranda, and other types of written communications using transcription equipment. Language arts skills are reinforced. (2 lecture, 2 laboratory hours) Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Spring
Credit Hours: 1
Department: Administrative Business Tech

ABT 109 - Word Processing Applications I
Prerequisites: ABT 102 or permission of the Chairperson.
Description: Development of word processing and office automation skills using Microsoft Word. Emphasis is placed on the following features: paragraph formatting, page numbering, footnotes/endnotes, headers/footers, styles and templates, find and replace, outline, columns, tables, and draw. In addition, timed writings will be given to improve speed and accuracy development. (2 lecture, 2 laboratory hours) Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 3
Department: Administrative Business Tech

ABT 110 - Word Processing Applications II
Prerequisites: ABT 109 or permission of the Chairperson.
Description: This course continues the development of word processing and office automation skills using Microsoft Office. Students will prepare a wide variety of business documents. Emphasis is placed on the following features of Word: borders, columns, customizing default settings, forms, graphics, macros, merge, outline, advanced replace features, shading, special characters, styles, tables, templates, and watermarks. Students will also prepare basic spreadsheets to incorporate into routine business documents. In addition, timed writings will be given to improve speed and accuracy development. (2 lecture, 2 laboratory hours) Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 3
Department: Administrative Business Tech

ABT 113 - Word Processing Basics
Description: This course introduces students to the basics of word processing using state-of-the-art software. Students will receive instruction in creating, editing, and formatting letters, reports, and a variety of other documents. This course is non-transferable. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Spring
Credit Hours: 1
Department: Administrative Business Tech

ABT 114 - Presentation Software Basics
Description: This course introduces students to the basics of presentations software using state-of-the-art software. Students will receive instruction in retrieving data, editing, and formatting presentations. This course is non-transferable. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 1
Department: Administrative Business Tech

ABT 115 - Spreadsheet Basics
Description: This course introduces students to the basics of spreadsheets using state-of-the-art software. Students will receive instruction in retrieving data, editing, and formatting spreadsheets to be incorporated into a variety of documents. This course is non-transferable. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 1
Department: Administrative Business Tech

ABT 116 - Database Basics
Description: This course introduces students to the basics of databases using state-of-the-art software. Students will receive instruction in retrieving data, editing, and formatting databases to be incorporated into a variety of documents. This course is non-transferable. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall
Credit Hours: 1
Department: Administrative Business Tech

ABT 119 - Word Processing Applications III
Prerequisites: ABT 110 or permission of the Chairperson.
Description: Using Microsoft Office, this course integrates word processing, spreadsheets, databases, and presentation applications. Through office-support simulation projects, students will share information between applications by copying, linking, and embedding data from a source application into a destination application. (2 lecture, 2 laboratory hours) Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 3
Department: Administrative Business Tech
COURSE DESCRIPTIONS

Department: Administrative Business Tech
ABT 120 - Office Tech Desktop Publishing
Description: This course introduces the application of desktop publishing and computer graphics. Students design, edit, and produce high quality documents using Adobe InDesign Software (2 lecture, 2 laboratory hours) Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 3

Department: Administrative Business Tech
ABT 127 - Legal Office Procedures I
Description: Introduction to the procedure for preparing summonses, complaints, answers, counterclaims, affidavits, bills of particulars, replies, verifications, and judgments. Discussion of New York State and Federal court systems. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring (even years)
Credit Hours: 3

Department: Administrative Business Tech
ABT 128 - Legal Office Procedures II
Description: Introduction to the procedure for preparing non-litigation documents, including contracts, powers of attorney, wills, and real estate papers. Discussion of probate, appeals, and motion practice. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring (odd years)
Credit Hours: 3

Department: Administrative Business Tech
ABT 152 - Medical Transcription
Prerequisites: ABT 244 or permission of Chairperson.
Description: Transcription from medical dictation tapes which include letters; chart notes; histories and physicals; discharge summaries; and operative, radiology, and pathology reports. Emphasis is on comprehension of medical terminology, language arts, correct formatting, and proofreading. (2 lecture, 2 laboratory hours) Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 3

Department: Administrative Business Tech
ABT 153 - Medical Coding
Prerequisites: HIT 151 or permission of the Chairperson.
Corequisites: HIT 151 or permission of the Chairperson.
Description: Introduction to current medical coding and billing procedures. Students will develop an understanding of both the ICD-9-CM and CPT-4 coding systems and will be introduced to the terminology and procedures for preparing insurance claim forms. Students will apply theory through computer specific reinforcement exercises and activities. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Please contact Department for course offering
Credit Hours: 3

Department: Administrative Business Tech
ABT 205 - Administrative Business Technology Internship
Prerequisites: ABT 105 and ABT 110 or ABT 254 or permission of the Chairperson.
Description: Supervised work experience in financial and government institutions, advertising, travel, publishing, banking, and insurance giving students the opportunity to apply their classroom skills to office situations and alert them to the realities of the business environment. Weekly seminars reinforce work experience. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring (odd years)
Credit Hours: 3

Department: Administrative Business Tech
ABT 225 - Legal Workshop
Prerequisites: ABT 127 or permission of the Chairperson.
Corequisites: ABT 127 or permission of the Chairperson.
Description: Legal office procedures, case management, and the litigation process. Application assignments cover the job search, filing records, preparing the court calendar, and transcribing legal letters and documents. Practice sets are assigned to reinforce and enrich litigation procedures. (2 lecture, 2 laboratory hours) Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3

Department: Administrative Business Tech
ABT 226 - Legal Work/Study
Prerequisites: ABT 225 or permission of the Chairperson.
Corequisites: ABT 225.
Description: Supervised work experience in cooperation with the District Attorney's office and private law firms in Nassau County and New York City. Students are introduced to legal office procedures through observation, study, and work. Weekly seminars reinforce work experience. SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3

Department: Administrative Business Tech
ABT 230 - Web Page Formatting
Description: This course allows students to create, edit, manage, and maintain websites using Adobe Dreamweaver. Dreamweaver is one of the most popular webpage/website creation & management tools on the market. This course is open to all NCC students. No prerequisite. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 3

Department: Administrative Business Tech
ABT 235 - E-Commerce for Office Professionals
Description: A comprehensive introduction to electronic commerce and the Internet taken from an office worker's perspective. This course is designed to help office professionals develop the necessary skills to use the Internet effectively and to provide students with an overview of the field of electronic business and information processing. This course features hands-on exercises for students who want to know how information technologies are tied together to improve business productivity. This course is open to all NCC. No prerequisite. (Also offered online) SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 3

Department: Administrative Business Tech
ABT 244 - Business Writing
Prerequisites: ENG 100 or ENG 101.
Description: An introduction to the principles of writing business correspondence. Emphasis on composing and editing business documents, including letters, memos, e-mail messages, and reports. Language arts skills are reinforced. (3 lecture, 2 laboratory hours) Laboratory fee applies. (Also offered online) SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring, Summer
Credit Hours: 4

Department: Administrative Business Tech
ABT 245 - Administrative Management
Description: The study of managerial functions and theory. Special attention is given to issues facing office managers including the analysis of technology, office design implementation, personnel practices and concerns, and overall management of people, procedures, and equipment. (Also offered online). SUNY GEN ED-n/a; NCC GEN ED-n/a
ACC 101 - Accounting I
Prerequisites: A student with two or more remedial requirements cannot take this course.
Description: This course is an introduction to financial statements, analysis of the statements, and accounting concepts and theories for service and merchandising entities. Other topics include cash, receivables, inventory, and current liabilities.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Accounting and Business Admin

ACC 102 - Accounting II
Prerequisites: ACC 101 with a grade of C or better
Description: This course is an introduction to accounting concepts and theories for corporations and manufacturing entities. The course focuses on accounting concepts for non-current assets and long term liabilities. It also includes financial statement analysis as well as specific accounting concepts relating to statement of cash flows and cost accounting.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Accounting and Business Admin

ACC 201 - Intermediate Accounting I
Prerequisites: ACC 101 and ACC 102 with grade of C or better in each course.
Description: This course examines the theory and concepts of financial accounting as expressed by authoritative pronouncements of the Financial Accounting Standards Board and the Accounting Principles Board. The course provides a review of the accounting cycle and focuses on the financial reporting which includes the preparation and analysis of the balance sheet, the income statement, and the statement of changes in stockholder's equity. The course also provides and introduction to the others aspects of financial reporting and analysis. Additional topics covered include specific accounting concepts relating to current assets, plant assets, intangibles, revenue recognition, and the time value of money.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Accounting and Business Admin

ACC 202 - Intermediate Accounting II
Prerequisites: ACC 201 with a grade of C or better.
Description: This course continues to examine the theory and concepts of financial accounting as expressed by authoritative pronouncements of the Financial Accounting Standards Board and the Accounting Principles Board. The course focuses on the preparation and analysis of the statement of cash flows and specific accounting concepts relating to non-current assets, current and long-term liabilities, accounting for income taxes, leases, and post employment benefits. Additional topics covered include contingencies, contributed capital, accounting changes and errors, and earnings per share.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Accounting and Business Admin

ACC 203 - Federal Income Taxes
Prerequisites: ACC 101 with a grade of C or better.
Description: Federal income tax laws and filing requirements as applied to the preparation of individual and sole proprietorship returns including all related schedules. Introduction to tax planning. This course should not be taken by those intending to take the C.P.A. examination. Not offered every semester.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 3
Department: Accounting and Business Admin

ACC 206 - Payroll Systems and New York State Taxes
Description: A course providing the underlying concepts, theories, and procedures for payroll systems, payroll record keeping, and employers' payroll requirements for filing N.Y.S. and N.Y.C. payroll taxes. N.Y.S. tax law as applied to the preparation of individual, unincorporated and franchise returns. N.Y.S. sales tax law and preparation of sales tax returns. Tax planning and researching tax problems. Not offered every semester.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 3
Department: Accounting and Business Admin

ACC 208 - Cost Accounting
Prerequisites: ACC 101 and ACC 102 with a grade of C or better.
Description: This course examines the uses of accounting information by management in planning and controlling operations, for inventory evaluation and profit determination,
and for making both short and long term decisions. A detailed examination is made of job order process and standard cost systems used in recording costs. The various types of quantitative tools used by management in making business decisions are studied. Not offered every semester.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring
Credit Hours: 4
Department: Accounting and Business Admin

Africana Studies

AFR

AFR 100 - African Art and Culture
Description: History of African Art, from antiquity to present, in relation to the cultures which produced the art. Examination of representative African forms. West, East, and Central Africa. Introduction to historic African crafts, costume, and music.
SUNY GEN ED-GART, GHUM; NCC GEN ED-HUM
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Africana Studies

AFR 110 - African American Dance Ensemble, Rehearsal and Performance
Description: (Dual listed with DAN 117)
This is the first course in the AFR 110- AFR 111 sequence. Participation in the production, rehearsal and performance of the African American Dance Ensemble Productions.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 1
Department: Africana Studies

AFR 111 - African American Dance Ensemble, Rehearsal and Performance
Description: (Dual listed with DAN 118)
This is the second course in the AFR 110- AFR 111 sequence. Participation in the production, rehearsal and performance of the African American Dance Ensemble Productions.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall
Credit Hours: 1
Department: Africana Studies

AFR 112 - A Survey of the Art of African American Dancers and Choreographers
Description: (Dual listed with DAN 125)
An introduction to the contributions of African American creative and performing artists to the development of social and theatrical dance in America. Classroom demonstrations by representative artists and field trips to dance concerts are part of the curriculum.
SUNY GEN ED GHUM, GART; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Africana Studies

AFR 113 - African American Dance Ensemble, Rehearsal and Performance
Description: (Dual listed with DAN 217)
This is the first course in the AFR 113 - AFR 114 sequence. Participation in the production, rehearsal and performance of the African American Dance Ensemble productions.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall
Credit Hours: 1
Department: Africana Studies

AFR 114 - African American Dance Ensemble, Rehearsal and Performance
Description: (Dual listed with DAN 218)
This is the second course in the AFR 113 - AFR 114 sequence. Participation in the production, rehearsal and performance of the African American Dance Ensemble productions.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Spring
Credit Hours: 1
Department: Africana Studies

AFR 130 - African American Literature I
Prerequisites: ENG 100 or ENG 101 and ENG 102 or ENG 109
Description: (Dual listed with ENG 207)
This course covers development of African American literature from early slave narratives and folklore following the advent of the trans-Atlantic slave trade through the Revolutionary, pre- and post-Civil War periods, to the major literary flowering of the 1920s Harlem Renaissance. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT, PLDI
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Africana Studies

AFR 131 - African American Literature II
Prerequisites: AFR 130 or ENG 207 or permission of the Africana Studies Department
Description: (Dual listed with ENG 208)
Intellectual currents in African American literature, from the period of the 1930s to contemporary themes and representative authors.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT, PLDI
Offered: Fall, Spring
Credit Hours: 3
Department: Africana Studies

AFR 140 - African American History I
Prerequisites: Completion of RDG 001
Description: (Dual listed with HIS 110)
A survey of the African American experience in the New World, from the advent of the African slave trade to the Civil War and the Reconstruction Era. Emphasis centers on the African background, the cultural heritage of the African Americans, slavery and a legacy of racial discrimination.
SUNY GEN ED-GSBS, GAMH; NCC GEN ED-SBS, WESH, PLDI
Credit Hours: 3
Department: Africana Studies

AFR 141 - African American History II
Description: (Dual listed with HIS 177)
A survey of the African American experience since the Reconstruction Era to the post-World War II period and the current scene. Emphasis centers on the Civil Rights Movement, the Harlem Renaissance, the Black Revolution and the philosophies of Dr. Martin Luther King Jr., Malcolm X, Jesse Jackson, Angela Davis, Cynthia Boston, Willie McGee and the "exiled" leaders of the contemporary scene.
SUNY GEN ED-GSBS, GAMH; NCC GEN ED-SBS, WESH, PLDI
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Africana Studies

AFR 142 - History of African Civilization
Description: The course concentrates on the traditional African ways of life and the African responses, political and cultural, to the colonial experience.
SUNY GEN ED- GOWC, GSBS; NCC GEN ED-SBS, GLNW
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Africana Studies

AFR 143 - History of Contemporary Africa
Prerequisites: Completion of RDG 001 and/or RDG 002.
Description: (Dual listed with HIS 110)
The study of African independence movements; discussion of the problems of post-independent Africa, such as nation building, strategies of development, education, pan-Africanism; and problems of democracy in southern Africa.
AFR 154 - African American Choral Ensemble
Description: (Dual listed with MUS 229 - MUS 230)
Participation in the production, rehearsal and performance of the African American Choral Ensemble productions. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Spring
Credit Hours: 1
Department: Africana Studies

AFR 155 - African American Music
Description: (Dual listed with MUS 205)
In addition to an evaluation of the basic musical materials of African American music and its effects on other music forms, an historical/philosophical/political analysis and survey are also included.
SUNY GEN ED-GART, GHUM; NCC GEN ED-HUM, PLDI, WESH
Offered: Fall, Spring
Credit Hours: 3
Department: Africana Studies

AFR 157 - Black Social Philosophy
Prerequisites: Students must have satisfied all ENG and RDG remediation requirements prior to starting the course. Dual listed with PHI 108)
Description: An examination of the social philosophy of thinkers such as Du Bois, Garvey, King and Fanon. Particular attention is paid to oppression and the struggle for self-identity. The ideals of freedom, equality, justice and community are carefully considered.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, PLDI
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Africana Studies

AFR 190 - Introduction to Black Theatre
Description: An introduction to the literature and artists of the contemporary African American theatre. The course includes representative playwrights, actors and technicians as speakers in the class and field trips to theatre productions. Students have the opportunity to work in at least one production per semester, selected from contemporary African American drama which may, whenever possible, be performed in the community.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Africana Studies

AFR 191 - African American Theatre Ensemble, Rehearsal and Performance
Description: (Dual listed with THR 102)
Participation in the production, rehearsal and performance of the African American Theatre Ensemble productions.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall
Credit Hours: 1
Department: Africana Studies

AFR 192 - African American Theatre Ensemble, Rehearsal and Performance
Description: (Dual listed with THR 117)
Participation in the production, rehearsal and performance of the African American Theatre Ensemble productions.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Spring
Credit Hours: 1
Department: Africana Studies

AFR 193 - African American Theatre Ensemble, Rehearsal and Performance
AHS 100 - CPR and Basic Cardiac Life Support

Description: (Dual listed with PED 640)
This course is designed to teach Cardiopulmonary Resuscitation (CPR) and Basic Life Support to individuals entering the various service professions (police, fire), health professionals and professionals who are activity-oriented (recreation, lifeguard), etc. Basic procedures are covered in full. Successful completion of the course meets all requirements for the American Red Cross and Heart Association "course completion card." It cannot be used to fulfill Physical Education requirement for graduation.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer

Credit Hours: 1

Department: Allied Health Sciences

AHS 101 - Introduction to Allied Health Science

Description: An introductory course designed to provide the student with basic knowledge and skills common to a variety of Allied Health Sciences. Medical terminology; the hospital: organization, specialized services and personnel; the nature, cause, diagnosis and treatment of disease; medical-legal considerations; aseptic principles and emergency care.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer

Credit Hours: 3

Department: Allied Health Sciences

AHS 102 - Introduction to Physical Therapy

Description: An introductory course designed for students who are planning to become physical therapists. Topics include: the training and role of health care workers in physical therapy, an introduction to physical therapy techniques, and ethical and medical-legal aspect of practice.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring

Credit Hours: 2

Department: Allied Health Sciences

AHS 103 - Fundamentals of Pharmacology

Description: The action and usage of commonly used drugs and solutions and the methods by which they are administered. In addition, a general orientation to the mathematics involved in the computation of drug dosages and solution composition.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring

Credit Hours: 3

Department: Allied Health Sciences

AHS 104 - Fundamentals of Pharmacology and Therapeutics for Respiratory Care

Prerequisites: AHS 101, AHS 111, AHS 131, AHS 311 and CHE 131.

Description: An introduction to general principles of pharmacology, with an emphasis on agents used in the treatment of diseases of the cardio-respiratory systems. Also treated are principles of patient assessment, aerosol medication delivery systems, hyperinflation therapy, and associated equipment and techniques.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring

Credit Hours: 3

Department: Allied Health Sciences
COURSE DESCRIPTIONS

Department: Allied Health Sciences

AHS 105 - Integrated Basic Science

Description: An integrated science course focusing on application of scientific principles in paramedical areas. Topics of study include fundamentals of chemistry, anatomy and physiology, and microbiology as they pertain to the clinical field.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring

Credit Hours: 3

Department: Allied Health Sciences

AHS 111 - Respiratory Care I Lecture

Corequisites: AHS 101, AHS 131, AHS 311 and CHE 131

Description: An examination of cardiopulmonary anatomy from the perspective of the respiratory therapist. The course begins with an overview of the chemical basis of structure, then concentrates on the function and structure of the cardiopulmonary system. Topics of study include cellular structure of the lung, structure of the conducting and respiratory areas of the lung, and functional anatomy of the cardiovascular system. (3 lecture hours)

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall

Credit Hours: 3

Department: Allied Health Sciences

AHS 112 - Respiratory Care II Lecture

Prerequisites: AHS 101, AHS 111, AHS 131, AHS 311 and CHE 131

Corequisites: AHS 103, AHS 132, AHS 312 and CHE 132

Description: An examination of the physiology of the cardiopulmonary system from the perspective of the respiratory therapist. Although the course concentrates primarily on the function of the pulmonary system, detailed attention is also given to the functional relationship between the cardiac and pulmonary systems. Topics of study include oxygen and carbon dioxide transport, blood acid-base balance, cellular respiration, pulmonary and systemic circulation, and functional changes to the cardiopulmonary systems caused by other organ systems. (3 lecture hours)

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring

Credit Hours: 3

Department: Allied Health Sciences

AHS 113 - Respiratory Care III Lecture

Prerequisites: AHS 212

Corequisites: AHS 314 and AHS 413

Description: A study of pulmonary pathology from the perspective of the respiratory therapist. The course covers diseases of the pulmonary system concentrating on such topics as restrictive and obstructive diseases. The student learns disease etiology, epidemiology, physiologic abnormalities, clinical features, and the treatment of each disease. The course includes an introduction to problem-based learning and critical diagnostic thinking in respiratory care. Examples of diseases covered include emphysema, asthma, pneumonia, bronchitis, and pulmonary edema. (2 lecture hours)

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall

Credit Hours: 3

Department: Allied Health Sciences

AHS 114 - Respiratory Care IV Lecture

Corequisites: AHS 113, AHS 314, AHS 413.

Description: A study of cardiovascular pathophysiology and pathology of related organ systems from the perspective of the respiratory therapist. The course covers diseases of the cardiovascular system but also includes diseases of other related organ systems such as the digestive, nervous, intestinal, endocrine, and renal systems. The student learns disease etiology, epidemiology, physiologic abnormalities, clinical features, and the treatment of each disease. The course builds upon the concepts of problem-based learning and critical diagnostic thinking in respiratory care. Examples of diseases covered include stroke, encephalopathy, trauma, carcinoma, heart diseases, liver diseases, diabetes, HIV/AIDS, and renal diseases. (2 lecture hours)

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring

Credit Hours: 2

Department: Allied Health Sciences

AHS 121 - Surgical Technology I

Description: Orientation to hospital organization, administration, and physical structure, with concentration on surgical areas. Interpersonal relationships, stressing patient welfare and the "surgical team" concept. Introduction to medical terminology and microbiology. Emphasis on development of knowledge and skills relating to principles and practices of sterility, aseptic techniques, surgical instruments and supplies, pneumatics and electrical equipment; electrosurgical, cryosurgical, and laser techniques. Selected laboratory and clinical experience. (4 lecture, 3 laboratory hours)

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall

Credit Hours: 5

Department: Allied Health Sciences

AHS 122 - Surgical Technology II

Prerequisites: AHS 121

Description: Development of knowledge and skills required of a "scrub" assistant, knowledge and understanding of "circulating" duties, procedures of patient preparation, basic operative procedure, reporting and recording operative data, radiologic and endoscopic procedures; principles of anesthesia and related safety measures; techniques of catheterization and plaster application. Selected laboratory and clinical experience in the hospital setting includes exposure to the Endoscopy Unit and Central Supply. (4 lecture, 6 laboratory hours)

Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring

Credit Hours: 6

Department: Allied Health Sciences

AHS 123 - Surgical Technology III

Prerequisites: AHS 122

Description: Orientation to specific surgical specialties including hernia surgery, surgery of the gastrointestinal tract, surgery of the gall bladder, pancreas, liver and spleen and gynecologic and obstetric surgery, with related surgical anatomy pathophysiology and specialty instrumentation. Relevant ethical and legal considerations. Selected clinical experience in the hospital setting includes exposure to PACU and Ambulatory Surgery Centers as well as correlated participation as scrub assistant and assisting with circulating duties under supervision. (4 lecture, 12 laboratory hours)

Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall

Credit Hours: 8

Department: Allied Health Sciences

AHS 124 - Surgical Technology IV

Prerequisites: AHS 123

Description: General orientation to specific surgical specialties including general surgery, plastic, head and neck, orthopedic, otologic, ophthalmic, neurologic, thoracic, peripheral vascular and cardiovascular surgery, with related surgical anatomy, pathophysiology and special instrumentation. Relevant ethical and legal considerations. Selected clinical experience in the hospital setting includes exposure to the Endoscopy Unit, Central Supply and Delivery Room as well as correlated participation as scrub assistant, and assisting with circulating duties under supervision. (4 lecture, 12 laboratory hours)

Laboratory fee applies.
COURSE DESCRIPTIONS

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring
Credit Hours: 8
Department: Allied Health Sciences

AHS 131 - Anatomy and Physiology I
Description: The study of cell structure and function, tissue, skeleton, muscular system, nervous system, and special senses. Required of all students in Physical Therapist Assisting, Surgical Technology, Medical Laboratory Technology, Respiratory Care, Nursing, Radiologic Technology and Radiation Therapy. (3 lecture, 3 laboratory hours) Laboratory fee applies. SUNY GEN ED-GLAB; NCC GEN ED-LSCI Offered: Fall, Spring, Summer
Credit Hours: 4
Department: Allied Health Sciences

AHS 132 - Anatomy and Physiology II
Prerequisites: A minimum grade of C in AHS 131
Description: The study of blood, lymph, reticuloendothelial, cardiovascular, respiratory, digestive, urogenital, and endocrine systems. (Continuation of AHS 131 and required of the same students.) (3 lecture, 3 laboratory hours) Laboratory fee applies. SUNY GEN ED-GLAB; NCC GEN ED-LSCI Offered: Fall, Spring, Summer
Credit Hours: 4
Department: Allied Health Sciences

AHS 133 - Radiation Biology
Prerequisites: AHS 131, AHS 132
Description: Cell structure and function. Biological effects of radiation on normal and abnormal cells. Differential sensitivity of tissues; acute and late reactions. Clinical application and use of radiosensitizers, chemotherapeutic agents, combined therapies, and hyperthermia. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall
Credit Hours: 3
Department: Allied Health Sciences

AHS 134 - Applied Radiation Physics I
Prerequisites: AHS 168, AHS 265
Description: Corequisites: AHS 133, AHS 266, AHS 267. Physical specifications of various treatment units. Beam characteristics, half value layers, radioactive decay. Radiation units of measurement, radioactive half life, and application of radionuclides. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall
Credit Hours: 3

Department: Allied Health Sciences

AHS 135 - Applied Radiation Physics II
Prerequisites: AHS 134
Description: Interaction of ionizing radiation with matter. Dose calculations, multiple field techniques and therapeutic use of particulate radiation. Emphasis on principles of treatment planning, comparison of manual and computer treatment plans, fixed field and moving beam techniques. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Spring
Credit Hours: 4
Department: Allied Health Sciences

AHS 151 - Physical Therapist Assistant I
Corequisites: AHS 234
Description: Majors only co-requisite AHS 234. The first of eight sequential courses in the Physical Therapist Assistant Program. The lecture includes an introduction to physical therapy across the lifespan, Scope of Physical Therapist Assistant practice and integration within the rehabilitation team, pathological conditions. The laboratory includes vital signs, body mechanics, transfers, gait training and activities of daily living (3 lecture, 3 laboratory, 3 practice laboratory hours). Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall
Credit Hours: 3
Department: Allied Health Sciences

AHS 152 - Physical Therapist Assistant II
Prerequisites: AHS 151, AHS 234.
Description: The lecture includes orthopedic and neurological conditions requiring physical therapy. The laboratory is an introduction to exercise including passive, active assistive, active resistive and progressive resistive range of motion, stretching, goniometry, and exercise equipment. Clinical application of skills occurs in a local facility. (6 lecture hours, 3 laboratory hours, 3 practice laboratory, 3 clinic hours.) Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall
Credit Hours: 4
Department: Allied Health Sciences

AHS 153 - Physical Therapist Assistant III
Prerequisites: AHS 154
Corequisites: AHS 155
Description: This course includes the physiological basis and application of physical therapy modalities of heat, cold, light, water, mechanics and massage. Physical therapy treatments for patients with cardio-respiratory and integumentary impairments are included. (3 lecture, 3 laboratory, 3 practice laboratory hours.) Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall
Credit Hours: 3
Department: Allied Health Sciences

AHS 154 - Physical Therapist Assistant IV
Prerequisites: AHS 152
Description: The lecture includes principles and uses of medical physics, modalities of electricity along with physiological principles, indications, contraindications and precautions. The laboratory consists of the proficient application of these modalities used to alleviate pain, swelling and weakness. (8 lecture, 4 laboratory, 4 practice laboratory hours.) Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Summer
Credit Hours: 3
Department: Allied Health Sciences

AHS 155 - Physical Therapist Assistant V
Prerequisites: AHS 154
Corequisites: AHS 153
Description: The lecture includes current issues and practices in physical therapy. The laboratory involves regionally designed exercises and advanced therapeutic exercise techniques for a variety of patients. One day per week is spent in the clinic. (3 lecture, 3 laboratory, 3 practice laboratory, 8 clinic hours.) Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall
Credit Hours: 4
Department: Allied Health Sciences

AHS 156 - Physical Therapist Assistant VI
Prerequisites: AHS 155
Description: Topics include physical treatment for pediatrics, the neurologically impaired adult and patients with amputations. (8 lecture, 6 laboratory, 6 practice laboratory hours.) Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Spring
Credit Hours: 4
Department: Allied Health Sciences

AHS 157 - Clinical Affiliation I
Prerequisites: AHS 156 with concurrency

Nassau Community College: http://collegecatalog.ncc.edu/current
COURSE DESCRIPTIONS

AHS 158 - Clinical Affiliation II
Prerequisites: AHS 156 with concurrency.
Description: Full-time clinical practice as a physical therapist assistant student in two separate physical therapy settings is required including: sports medicine facilities, outpatient clinics, schools, rehabilitation centers, nursing homes, hospitals, home care, athletic teams and other health service agencies. (Summer only/40 hours per week/6 weeks.) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring
Credit Hours: 3

AHS 168 - Introduction to Treatment Planning
Prerequisites: AHS 261
Description: Fundamental principles of treatment planning, dosimetry and calculations. Concepts of radiation protection including ALARA are discussed.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring
Credit Hours: 3

AHS 180 - Treatment Technique
Description: Specific techniques for delivering care to radiation therapy patients, including shielding and immobilizing devices.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall (first 5 weeks)
Credit Hours: 1

AHS 181 - Radiology and Topographic Anatomy
Prerequisites: AHS 180
Corequisites: AHS 261
Description: Identification of structures on radiographs as related to Topographical landmarks used in determining treatment ports in Radiation Therapy.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall (second 5 weeks)
Credit Hours: 1

AHS 182 - Quality Assurance
Description: Quality assurance as it applies to Radiation Therapy. Chart maintenance, identification of machine malfunction, and image quality will be discussed.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall (third 5 weeks)
Credit Hours: 1

AHS 201 - Clinical Hematology
Corequisites: AHS 131 and CHE 131 or CHE 151.
Description: The study encompasses both normal and abnormal morphology and physiology of those cells and structures normally found in human blood. Relationships are drawn from hematologic manifestations occurring from other than pure hematological diseases and clinical findings are accentuated, being mutually or reciprocally related to true hematological disorders. (3 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 4

AHS 202 - Medical Microbiology
Prerequisites: AHS 131, AHS 132 recommended.
Description: The student is given a medical view of microorganisms: their morphology and physiology. Pathogenic microorganisms, including etiology and pathology, are examined in detail as applicable to the hospital environment. The study of aseptic and antiseptic techniques involving patients, equipment and clinical areas enumerated. Practicum in obtaining pure cultures and identifying these cultures included. (3 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 4

AHS 203 - Clinical Pathology
Prerequisites: AHS 131, AHS 132
Description: Prerequisite or Co-requisite: AHS 201
This course is designed to expose students to principles of pathologic processes and disorders. Theoretical considerations will provide the necessary background to understand disease and will facilitate the application of diagnostic modalities and therapeutic interventions.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 3

AHS 205 - Immunohematology
Prerequisites: AHS 131, AHS 201 and CHE 131 or CHE 151.
Description: Provides student of Medical Technology with the theory and practice of blood transfusion and immunohematology. Modern, routine blood banking techniques are emphasized, especially in the laboratory portion of the course. Detailed discussion of related aspects of blood collection, component preparation, storage, preservation, and testing for compatibility between donor and recipient as well as hazards of transfusion are presented. (3 lecture, 3 laboratory hours). Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring
Credit Hours: 4

AHS 206 - Clinical Immunology
Prerequisites: AHS 201, AHS 202, AHS 205 and all prior Med. Tech. requirements.
Corequisites: CHE 221.
Description: Basic Immunologic mechanisms: Antigen structure and antigenicity; antibody structure; antigen-antibody interaction; T-cell and B-cell interactions, including thymus-dependent and thymus-independent antigens; antibody production, including DNA and looping-out excision; complement; cytokines; theory of immunologic and serologic procedures and the immunologic manifestations of disease. The student will acquire the fundamental information necessary to function as a technicain in a medical laboratory and/or engage in studies at the technologist level.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring
Credit Hours: 3

AHS 209 - Clinical Applications of Medical Laboratory Science
Prerequisites: AHS 131, AHS 132, AHS 201, AHS 202, AHS 203 and AHS 205.
Corequisites: AHS 210 and CHE 221.
Description: Restricted to Medical Laboratory Technology Students Only. This course includes instruction and practice in various areas of the clinical laboratory. It provides a comprehensive study of hemostasis (the mechanisms of hemostasis, fibrinolysis and hemostatic control) and urinalysis.
COURSE DESCRIPTIONS

(the principles of physical, chemical and microscopic fluid analyses). Fundamentals of phlebotomy are also introduced. Students practice routine diagnostic methods in these laboratory disciplines with emphasis on principles, sources of error, interpretation, and clinical correlation of results.

SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Spring

Credit Hours: 3

Department: Allied Health Sciences

AHS 210 - Clinical Internship I

Prerequisites: AHS 131, AHS 132, AHS 201, AHS 202, AHS 203 and AHS 205.

Corequisites: AHS 209 and CHE 221.

Description: Clinical Internship is offered during the spring term and is only for those laboratory technician students who are matriculated and entering the final phase of their studies. Completion of all AHS science prerequisites with a minimum grade of C is required prior to registration for AHS 210. Students are assigned to hospital or private laboratories in Nassau County and surrounding areas. Here under Departmental supervision, students further their clinical training in selected phases of laboratory work. Through participation and practice they refine technical skills and didactic principles as they relate to the laboratory workplace.

SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Spring

Credit Hours: 3

Department: Allied Health Sciences

AHS 211 - Clinical Internship II

Prerequisites: AHS 209 and AHS 210.

Description: This course is open to only those senior MLT students who have successfully completed AHS 210. Duration 15 weeks. Students assigned to area hospitals or laboratories will complete the balance of their clinical training.

SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Summer

Credit Hours: 3

Department: Allied Health Sciences

AHS 212 - Respiratory Care Clinical I

Prerequisites: AHS 313

Description: Comprehensive clinical practicum at an affiliating hospital. The student will practice clinically the procedures learned during AHS 311, AHS 312, AHS 313, and AHS 104. (40 clinical hours per week for 5 weeks). Registration is limited to students enrolled in the Respiratory Therapy program. Lab fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Summer

Credit Hours: 2

Department: Allied Health Sciences

AHS 214 - Respiratory Care Clinical IV

Prerequisites: AHS 113, AHS 314 and AHS 413.

Corequisites: AHS 114 and AHS 414.

Description: Comprehensive clinical experiences in multiple clinical rotations including medical, surgical, neonatal and pediatric intensive care, pulmonary rehabilitation and long term care as well as sleep diagnostics. This course is an “off campus” course and will afford the student respiratory therapist an opportunity, within the hospital, to apply and develop proficiencies in the technical knowledge obtained during the first four semesters of ‘on campus’ study. Under supervision of College faculty, the student will apply to the patient more intensive therapeutic measures involving medical gas therapy, aerosol therapy, mechanical ventilation, artificial airways, and airway care and patient assessment and evaluation with a focus on the application of critical diagnostic thinking and problem-solving skills. Additionally, many of the before-mentioned therapeutics will be applied to infants and pediatric patients. (8 clinical hours per week).

Lab fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Fall

Credit Hours: 4

Department: Allied Health Sciences

AHS 234 - Kinesiology

Description: Analysis of human motion based on anatomic, physiologic and mechanical principles. The study of typical and atypical movement patterns and manual muscle testing are included. (3 lecture, 3 laboratory, 3 practice laboratory hours). Laboratory fee applies.

SUNY GEN ED-GLAB; NCC GEN ED-n/a

Offered: Fall

Credit Hours: 4

Department: Allied Health Sciences

AHS 240 - Radiologic Technology I

Lecture

Prerequisites: ENG 101 and MAT Elective.

Corequisites: AHS 101, AHS 131 and AHS 241.

Description: A four week orientation lecture unit to prepare students for clinical education followed by lectures in applied physics, radiation safety, and radiographic technique. Upon successful completion of orientation unit, students will begin clinical education at an affiliating hospital. (3 lecture hours)

SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Fall

Credit Hours: 3

Department: Allied Health Sciences

AHS 241 - Radiologic Technology I Laboratory/ Clinic

Prerequisites: ENG 101 and MAT Elective.

Corequisites: AHS 101, AHS 131 and AHS 240.

Description: A four-week laboratory orientation unit to prepare students for clinical education followed by instruction and practice in an energized x-ray laboratory to include selected routine and special radiographic examinations of the appendicular and axial skeleton using phantoms. Upon successful completion of the orientation unit, students will begin supervised clinical education at an affiliating hospital two days a week. (3 laboratory hours, 16 clinical hours) Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Fall

Credit Hours: 5
**Department:** Allied Health Sciences

**AHS 242 - Radiologic Technology II Lecture**

**Prerequisites:** AHS 101, AHS 131 and AHS 241.

**Corequisites:** AHS 132 and AHS 243.

**Description:** Lectures in radiographic quality, special radiographic techniques, electricity and x-ray circuitry. (3 lecture hours) SUNY GEN ED-n/a; NCC GEN ED-n/a

**Credit Hours:** 3

**Department:** Allied Health Sciences

**AHS 243 - Radiologic Technology II Laboratory/ Clinic**

**Prerequisites:** AHS 101, AHS 131, AHS 241 and AHS 242.

**Corequisites:** AHS 132 and AHS 242.

**Description:** Instruction and practice in an energized x-ray laboratory to include selected routine and special radiographic examinations of axial skeleton using phantoms. Supervised clinical Instruction and practice in an energized x-ray laboratory to include selected routine and special radiographic examinations of axial skeleton using phantoms. Supervised clinical education at an affiliating hospital two days a week. (3 laboratory hours, 16 clinical hours) Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a

**Offered:** Spring

**Credit Hours:** 5

**Department:** Allied Health Sciences

**AHS 244 - Radiologic Technology III Summer Clinical**

**Prerequisites:** AHS 240, AHS 241, AHS 242 and AHS 243.

**Description:** Supervised clinical education at an affiliating hospital five days a week from June to August. (40 clinical hours per week). Lab fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a

**Credit Hours:** 5

**Department:** Allied Health Sciences

**AHS 245 - Radiologic Technology IV Lecture**

**Prerequisites:** AHS 244.

**Corequisites:** AHS 246.

**Description:** Lectures in radiation physics, radiobiology and radiation protection. (3 lecture hours). SUNY GEN ED-n/a; NCC GEN ED-n/a

**Offered:** Fall

**Credit Hours:** 3

**Department:** Allied Health Sciences

**AHS 246 - Radiologic Technology IV Laboratory/ Clinic**

**Prerequisites:** AHS 244.

**Corequisites:** AHS 245.

**Description:** Introduction & practice in an energized x-ray laboratory to include common procedures using contrast media. Supervised clinical education at an affiliating hospital three days a week. (3 laboratory hours, 24 clinical hours). Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a

**Offered:** Fall

**Credit Hours:** 6

**Department:** Allied Health Sciences

**AHS 247 - Radiologic Technology V Lecture**

**Prerequisites:** AHS 245 and AHS 246.

**Corequisites:** AHS 248.

**Description:** Lectures in medical and surgical diseases and an introduction to other imaging modalities including CT scanning. (3 lecture hours). Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a

**Offered:** Spring

**Credit Hours:** 3

**Department:** Allied Health Sciences

**AHS 248 - Radiologic Technology V Laboratory/ Clinic**

**Prerequisites:** AHS 245 and AHS 246.

**Corequisites:** AHS 247.

**Description:** Instruction and practice in an energized x-ray laboratory to include specialized views of the skull, selected special procedures, pediatric examinations, mammography and the essentials of a quality control program; supervised clinical education at an affiliating hospital three days a week. (3 laboratory hours, 24 clinical hours) Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a

**Offered:** Spring

**Credit Hours:** 6

**Department:** Allied Health Sciences

**AHS 249 - Radiologic Technology VI Summer Clinical**

**Prerequisites:** AHS 245, AHS 246, AHS 247 and AHS 248

**Description:** Five days a week, from June to August. Supervised clinical education at an affiliating hospital. (40 clinical hours per week). Lab fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a

**Credit Hours:** 5

**Department:** Allied Health Sciences

**AHS 261 - Radiation Therapy Lecture I**

**Description:** Lectures on the rationale of using radiation therapy as a major modality in the treatment of cancer. Emphasis on the principles governing radiosensitivity and normal tissue tolerance. (3 lecture hours) SUNY GEN ED-n/a; NCC GEN ED-n/a

**Offered:** Fall

**Credit Hours:** 3

**Department:** Allied Health Sciences

**AHS 262 - Radiation Therapy Clinic I**

**Prerequisites:** AHS 261.

**Description:** Introduction to clinical education in radiation therapy technology. Experience is obtained at one of several area hospitals, utilizing a variety of therapy equipment. (16 laboratory hours) SUNY GEN ED-n/a; NCC GEN ED-n/a

**Offered:** Fall

**Credit Hours:** 2

**Department:** Allied Health Sciences

**AHS 263 - Radiation Therapy Lecture II**

**Prerequisites:** AHS 261 and AHS 262.

**Corequisites:** AHS 264.

**Description:** Lectures on the operating principles of various types of therapy equipment; the rationale for delivering treatments on particular units; introduction to pathology. (3 lecture hours) SUNY GEN ED-n/a; NCC GEN ED-n/a

**Offered:** Fall

**Credit Hours:** 3

**Department:** Allied Health Sciences

**AHS 264 - Radiation Therapy Clinic II**

**Prerequisites:** AHS 261 and AHS 262.

**Corequisites:** AHS 263.

**Description:** Clinical education in Radiation Therapy Technology. Experience is obtained at one of several area hospitals, utilizing a variety of therapy equipment. (16 laboratory hours) Lab fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a

**Offered:** Fall

**Credit Hours:** 2

**Department:** Allied Health Sciences

**AHS 265 - Radiation Therapy Lecture III**

**Prerequisites:** AHS 263 and AHS 264.

**Description:** Clinical education at assigned affiliating hospitals. (40 laboratory hours) Lab fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a

**Offered:** Summer

**Credit Hours:** 5

**Department:** Allied Health Sciences

**AHS 266 - Radiation Therapy Lecture III**

**Description:**
COURSE DESCRIPTIONS

Prerequisites: AHS 131, AHS 132 and AHS 263.
Corequisites: AHS 267

Description: Methods of treating cancers with radiation therapy based on anatomic site, histologic grade and normal tissue tolerance. Discussion of borders of treatment fields, dose and treatment. Emphasis on cancers of skin, head and neck, digestive and respiratory systems. (3 lecture hours)
Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 3

Department: Allied Health Sciences

AHS 267 - Radiation Therapy Clinic IV
Prerequisites: AHS 265.
Corequisites: AHS 266.

Description: Clinical education in Radiation Therapy Technology. Experience is obtained at one of several area hospitals, utilizing a variety of therapy equipment. (24 laboratory hours)
Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 3

Department: Allied Health Sciences

AHS 268 - Radiation Therapy Lecture IV
Prerequisites: AHS 266.
Corequisites: AHS 269.

Description: Methods of treating cancers with Radiation Therapy based on anatomic site, histologic grade and normal tissue tolerance. Discussion of borders of treatment fields, dose and fractionation and reaction to treatment. Emphasis of cancers of central nervous system, breast, genitourinary system, and blood forming organs. (3 lecture hours)
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring
Credit Hours: 3

Department: Allied Health Sciences

AHS 269 - Radiation Therapy Clinic V
Prerequisites: AHS 267.
Corequisites: AHS 268.

Description: Clinical education in Radiation Therapy Technology. Experience is obtained at one of several area hospitals, utilizing a variety of therapy equipment. (24 laboratory hours)
Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring
Credit Hours: 3

Department: Allied Health Sciences

AHS 270 - Radiation Therapy Clinic VI
Prerequisites: AHS 269.

Description: Clinic VI. Clinical education in Radiation Therapy Technology. Experience is obtained at one of several area hospitals. (40 laboratory hours) Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Summer
Credit Hours: 5

Department: Allied Health Sciences

AHS 311 - Respiratory Care I Laboratory
Prerequisites: MAT as advised.
Corequisites: AHS 101, AHS 111, AHS 131 and CHE 131.

Description: Introduction to the profession of respiratory care. History and development of respiratory care. Scientific measurement, physics and chemistry as pertinent to respiratory mechanics and physiology. The use of medical gases, aerosols, and instrumentation as preparation for an understanding and implementation of therapy rationale.
Laboratory practice with respiratory care apparatus. This course includes introductory clinical exposure at local affiliating hospitals. (8 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 3

Department: Allied Health Sciences

AHS 312 - Respiratory Care II Laboratory
Prerequisites: AHS 101, AHS 111, AHS 131, AHS 311, CHE 131
Corequisites: AHS 104, AHS 112

Description: Pre or Corequisite: AHS 132, CHE 132
Introduction to mechanical ventilator therapy. Comprehensive study of all aspects of modern mechanical ventilation including terminology, classification, modes of operation, physiologic effects, clinical implementation, monitoring and troubleshooting of modern critical care devices with a focus on invasive ventilation. Laboratory practice emphasizing the set up and operation of current examples of adult mechanical ventilators. (9 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring
Credit Hours: 3

Department: Allied Health Sciences

AHS 313 - Respiratory Care III Laboratory
Prerequisites: AHS 104, AHS 112, AHS 132, AHS 312 and CHE 132.

Description: Continuation of the study of modern mechanical ventilation with a focus on advanced ventilator techniques and interpretation of arterial blood gas results; introduction to diagnostic pulmonary function testing. Laboratory practice emphasizing the set up and operation of advanced ventilator systems as well as pulmonary function measuring instruments. (16 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Summer
Credit Hours: 2

Department: Allied Health Sciences

AHS 314 - Respiratory Care IV Laboratory
Prerequisites: AHS 212.
Corequisites: AHS 113 and AHS 413.

Description: The comprehensive study of the techniques and procedures of airway management, weaning from mechanical ventilation, bronchial hygiene, arterial sampling and noninvasive ventilation. Topics also covered are diseases of the neonatal and pediatric patient as well as the associated respiratory care equipment and treatment modalities and an introduction to home care, long term care, and pulmonary rehabilitation. Laboratory practice with respiratory care equipment and role playing in problem-solving situations. (8 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3

Department: Allied Health Sciences

AHS 413 - Respiratory Care III Clinical II
Prerequisites: AHS 212.
Corequisites: AHS 113 and AHS 314.

Description: Comprehensive clinical experiences in multiple clinical rotations including experience in medical and surgical intensive care, physical assessment, patient evaluation and nursing arts in the acute care hospital setting, pulmonary function testing and respiratory care in the subacute care setting. This course is an 'off campus' course and will afford the student respiratory therapist an opportunity within the hospital to apply and develop proficiencies in the technical knowledge obtained during the first three semesters of 'on campus' study. Under supervision of College faculty, the student will apply to the patient such therapeutics as medical gas therapy, aerosol therapy, mechanical ventilation, artificial airways, and airway care, and diagnostic pulmonary function testing as well as physical assessment and evaluation techniques. (8 clinical hours) Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Fall Only
Anthropology

ANT 203 - General Anthropology
Description: Topics include: primate field studies, human origins, evolutionary processes, human variation, development of culture among early humans, interaction of nature, culture and society. Satisfactory completion of ENG 001 and RDG 002.
Credit Hours: 3
Department: Sociology

ANT 204 - Cultural Anthropology
Description: Explores cultures holistically in preindustrial and non-Western and Western societies. Satisfactory completion of ENG 001 and RDG 002. 
Credit Hours: 3
Department: Sociology

Arabic

ARA 101 - Beginning Arabic I
Prerequisites: Completion of remedial courses in English and Reading.
Description: Fundamentals of grammar, pronunciation, culture and conversation. Reading, writing, listening comprehension, and simple conversational patterns. This course is not intended for students of Arabic speaking background. Laboratory fee applies. Laboratory component required.
Credit Hours: 3
Department: Foreign Languages

ARA 102 - Beginning Arabic II
Prerequisites: Completion of remedial courses in English and Reading.
Description: Fundamentals of grammar, pronunciation, culture and conversation. Reading, writing, listening comprehension and simple conversational patterns. Laboratory fee applies. Laboratory component required.
Credit Hours: 3
Department: Foreign Languages

Art

ART 100 - Introduction to Visual Arts
Prerequisites: Completion of remedial courses in English and Reading.
Description: An introduction to the development of the visual arts emphasizing perception and understanding of painting, sculpture, architecture and design, as well as their relationship to the creative process. This is primarily a lecture course.
Credit Hours: 3
Department: Art

ART 102 - Art History (Renaissance)
Prerequisites: Completion of remedial courses in English and Reading.
Description: Architecture, sculpture and painting in Western Europe from 1300 to 1600. An examination of the styles of the Renaissance and Mannerism in Northern and Southern Europe.
Credit Hours: 3
Department: Art

ART 103 - Art History (Baroque through Realism)
Prerequisites: Completion of remedial courses in English and Reading.
Description: Architecture, sculpture and painting in Europe and the Americas from the 17th century through the mid 19th century.
Credit Hours: 3
Department: Art

ART 104 - Art History (Contemporary)
Prerequisites: Completion of remedial courses in English and Reading.
Description: Art from 1940 to the present, with special attention given to European and American art. A study of the contributions of individual artists and movements, with an examination of the development of new approaches to form and the creative experience.
Credit Hours: 3
Department: Art
ART 105 - Principles of 2-Dimensional Design
Description: Required of art majors. A foundation course in design on a 2-dimensional surface. This course explores the elements of line, shape, value, color, and texture and principles of design and its relationship to composition. Subject and content are components of study as well. Students are introduced to a conceptual and visual vocabulary as art applies to the visual arts. Average cost of supplies: $100. Laboratory fee applies.
SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Art

ART 106 - Principles of 3-Dimensional Design
Description: Required of art majors. A foundation course in design in 3-dimensional space. This course explores the elements of line, form, value, color and texture and their application to fine and applied art. This involves 3-dimensional constructions in such materials as board, plaster, clay, plastics, etc. Average cost for supplies: $100. Laboratory fee applies.
SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Art

ART 107 - Prepress for Commercial Artists
Prerequisites: ART 133
Description: This course introduces the student to the preparation of computer graphics for commercial printing and production. The basics of the prepress including trapping, impositions, halftones, process and spot colors, paper, and proofs using industry standard applications will be explored. Average cost of supplies: $50. Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3
Department: Art

ART 108 - Advertising Art
Prerequisites: ART 140
Description: Students are guided through the process of art direction as it applies to the creation of promotional and advertising material. Creative problem solving through the visualization of ideas is applied throughout the various stages of development of thumbnail sketches, roughs, comprehensives and storyboards. Layouts, typography, and illustration are stressed. Average cost of supplies: $100. Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Art

ART 109 - Printmaking I
Description: This mixed-media course introduces the student to the basic fundamentals and concepts of non-toxic printmaking: the development of an image on a particular surface, the transfer of the image to paper, edition printing, and presentation. Media may include photo and digital transfer, relief prints, silkscreen, intaglio, and monoprints. Emphasis is placed on the student's exploration of this creative process to produce and develop exciting prints. Average cost of supplies: $100. Laboratory fee applies.
SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Art

ART 110 - Printmaking II
Prerequisites: ART 109 or permission of Chairperson.
Description: This course offers an opportunity for the advanced study of non-toxic printmaking as explored through traditional and experimental methods in Printmaking I. Students will develop independent projects and experiment with methods and materials. By creating personal projects that reflect printmaking's versatility in creating a new form of expression, the student may concentrate more fully on a strong portfolio. Average cost of supplies: $100. Laboratory fee applies.
SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Art

ART 111 - Drawing I
Description: A basic course that explores the fundamentals of drawing through the development of both technical skills and concepts. The student's understanding of composition through the study of line, value and perspective will develop through direct visual observation and the education of the artist's eye. Students will be encouraged to work with conventional and non-traditional materials and methods. Average cost of supplies: $75. Laboratory fee applies.
SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Art

ART 112 - Drawing II
Prerequisites: ART 111 or permission of Chairperson.
Description: This course is designed to further explore the creative process of drawing. Students are encouraged to master advanced skills and search for their own individual focus of expression. Each student will be exposed to new approaches, methods and materials to further enhance his or her drawing experience and art portfolio. Average cost of supplies: $85. Laboratory fee applies.
SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Art

ART 113 - Package Design
Prerequisites: ART 137 or permission of Chairperson.
Description: Analysis of container design, involving internal surface graphics, for design students who wish to explore functional containers, from egg cartons to compact discs to the box car and paper bag. Emphasis is placed upon functional design and structure. Average cost of supplies: $100. Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Art

ART 114 - Typography for Graphic Design
Description: Students are taught to create designs using visual symbols and type to communicate ideas. This course covers designing letterforms, logos, trademarks, stationery, corporate branding and preparing art for presentation, including the use of various digital scanning and printing devices. Average cost of supplies: $100. Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Art

ART 115 - Painting I
Description: An introduction to the techniques, mechanics and composition of painting via personal expression. Average cost of supplies: $200. Laboratory fee applies.

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COURSE DESCRIPTIONS

SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring, Summer
Credit Hours: 3

Department: Art

ART 116 - Painting II
Prerequisites: ART 115 or permission of Chairperson.
Description: With the skills and understanding of basic painting, Painting II expands material usage and gives further focus on creativity and personal self-expression. Average cost of supplies: $200. Laboratory fee applies. SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM Offered: Fall, Spring
Credit Hours: 3

Department: Art

ART 117 - Illustration
Prerequisites: ART 111 or permission of Chairperson.
Description: Communicating ideas with focus and clarity through the use of visual materials. Techniques and materials are introduced to give impact to ideas and professional portfolio quality work. Average cost of supplies: $140. Laboratory fee applies. SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM Offered: Fall
Credit Hours: 3

Department: Art

ART 118 - Figure Drawing I
Prerequisites: ART 111 or permission of Chairperson.
Description: An extensive study of the human figure, its proportions and constructions, as a subject for artistic and personal expression. Average cost of supplies: $65. Laboratory fee applies. SUNY GEN ED-GART; NCC GEN ED-HUM Offered: Fall
Credit Hours: 3

Department: Art

ART 119 - Anatomy and Figure Drawing II
Prerequisites: ART 118 or permission of Chairperson.
Description: A continuation of the study of the figure as the subject for artistic expression. Emphasis is on acquiring a sensitivity to subtle anatomical definition. More extensive technical skills are needed for this definition. Average cost of supplies: $100. Laboratory fee applies. SUNY GEN ED-GART; NCC GEN ED-HUM

Department: Art

ART 120 - Ceramics I
Description: Tools and techniques of hand-building and potters wheel are used to form pottery and related sculptural construction in clay. Students learn a variety of decorative and glazing techniques and an understanding of the processes related to the firing of clay into ceramic. Average cost of supplies: $125. Laboratory fee applies. SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM Offered: Fall, Spring, Summer
Credit Hours: 3

Department: Art

ART 121 - Sculpture I
Description: Designing and construction of sculptures from clay, plaster, wood and metal is a means to symbolic expression. The format of lecture/demonstration, planning, building of the sculpture, individual and group critiques, gallery/museum visits assist students in understanding the role of the artist and the creative process. Average cost of supplies: $125. Laboratory fee applies. SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM Offered: Fall, Spring
Credit Hours: 3

Department: Art

ART 122 - Ceramics II
Prerequisites: ART 116 or permission of Chairperson.
Description: Building of the sculpture, individual and group critiques, gallery/museum visits assist students in understanding the role of the artist and the creative process. Average cost of supplies: $125. Laboratory fee applies. SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM Offered: Fall, Spring, Summer
Credit Hours: 3

Department: Art

ART 123 - Sculpture II
Description: Tools and techniques of hand-building and potters wheel are used to form pottery and related sculptural construction in clay. Students learn a variety of decorative and glazing techniques and an understanding of the processes related to the firing of clay into ceramic. Average cost of supplies: $125. Laboratory fee applies. SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM Offered: Fall, Spring, Summer
Credit Hours: 3

Department: Art

ART 124 - History of Photography
Prerequisites: Completion of remedial courses in English and Reading.
Description: A survey course in the history of photography, emphasizing aesthetics, sociocultural history, and technical advances in the field. Major photographers and trends will be analyzed. SUNY GEN ED-GHUM, GART; NCC GEN ED-HUM, WESH Offered: Fall, Spring
Credit Hours: 3

Department: Art

ART 125 - Introduction to Studio Arts
Description: An introductory course for non-art majors that includes a variety of studio arts. They are explored with historical context and emphasis on developing an awareness of materials and processes, sensitivity to design, as well as a creative approach. Average cost of supplies $150. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM Offered: Fall, Spring
Credit Hours: 3

Department: Art

ART 126 - History of Photography
Prerequisites: ART 130 or permission of Chairperson.
Description: Hands-on experience with industry standard software used to create commercial and fine art images. Topics include basic design principles, grid structure and typography used in the development of charts, trademark design, landscapes, interiors, portraits, scanning images, and print design. Average cost of supplies: $55. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM Offered: Fall, Spring, Summer
Credit Hours: 3

Department: Art

ART 129 - Gallery Survey
Description: This course introduces students to the diversified operation of today's art gallery/museum. Regular visits to galleries/museums are required. This course also provides insight into exhibition preparation and installation including behind-the-scenes investigation into planning, art conversation, education goals, curatorial responsibilities, and funding. Students are responsible for transportation and admission fees. SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM Offered: Summer
Credit Hours: 3

Department: Art

ART 130 - Graphic Design I
Description: Hands-on experience with industry standard software used to create commercial and fine art images. Topics include basic design principles, grid structure and typography used in the development of charts, trademark design, landscapes, interiors, portraits, scanning images, and print design. Average cost of supplies: $55. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM Offered: Fall, Spring, Summer
Credit Hours: 3

Department: Art

ART 131 - Digital Imaging
Prerequisites: ART 130 or permission of Chairperson.
Description: Hands-on experience with Adobe Photoshop, the most widely used application in digital imaging and photography. Topics include: image creation and scanning, painting, editing and retouching, image manipulation and resizing, color correction, conversions, layers, filters and image output. Cost of supplies: $100. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-HUM Offered: Fall, Spring
Credit Hours: 3

Department: Art

ART 133 - Graphic Design III
Prerequisites: ART 131 and ART 140
Description: Hands-on experience with desktop publishing and computer hardware and software used to create professionally designed publications. Topics include word processing, page layout, creating and scanning images, typography, and print production. Average cost of supplies: $55. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-HUM Offered: Fall, Spring
Credit Hours: 3

Department: Art
ART 135 - Design Fundamentals  
**Description:** To interpret fashion design using art-based fundamentals, such as the importance of color, anatomy, fabric rendering, fashion model proportions and movement. Assignments and learning experiences to reinforce each area. The student will discover, through exploration of fashion assignments, how to evaluate design details and proportions for Women's apparel markets. Technical flats and their importance to the process will be covered. Average cost of supplies: $75. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-HUM  
**Offered:** Fall, Spring  
**Credit Hours:** 3  
**Department:** Art

**ART 136 - Fashion Art Techniques I**  
**Prerequisites:** ART 135 or permission of Chairperson.  
**Description:** This course is designed to further interpret the creative process of Fashion Design. Students are encouraged to master advanced skills and search for their own individual focus of expression. Each student will be exposed to new approaches, methods, and materials to further enhance his or her design experience and Fashion Design portfolio. Menswear and Children’s wear will be explored as well as the Women’s wear markets. Average cost of supplies: $75. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-HUM  
**Offered:** Fall, Spring  
**Credit Hours:** 3  
**Department:** Art

**ART 137 - Computer Illustration**  
**Prerequisites:** ART 130.  
**Description:** Adobe Illustrator on the Macintosh is used as a tool for creative expression in the use of illustration techniques to communicate ideas. Technical requirements for printing are also emphasized. Average cost of supplies: $30. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-HUM  
**Offered:** Fall, Spring  
**Credit Hours:** 3  
**Department:** Art

**ART 138 - 3D Modeling**  
**Prerequisites:** ART 130 and ART 131.  
**Description:** Hands-on course in creating and composing complete 3D computer generated imagery (CGI). Topics include: NURBS (non-uniform rational B-spline) and polygonal modeling, texturing, lighting, camera positioning and rendering. Average cost of supplies: $100. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-HUM  
**Offered:** Fall, Spring  
**Credit Hours:** 3  
**Department:** Art

**ART 139 - Web Animation and Interactivity**  
**Prerequisites:** ART 131 and ART 137.  
**Description:** Advanced animation techniques for web-oriented interactive design using popular vector-based multimedia authoring software in concert with a variety of computer-generated imagery (CGI) and design applications. Students will learn skills required for creating a complete animated interactive web site in a single software environment. Average cost of supplies: $200. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-HUM  
**Offered:** Spring  
**Credit Hours:** 3  
**Department:** Art

**ART 140 - Graphic Design II**  
**Prerequisites:** ART 130 or Permission of Chairperson  
**Corequisites:** ART 105 Pre or Co-requisite.  
**Description:** Using computers as tools for research and composition, students will survey the global history of visual communications as well as the ways visual elements are used to construct and convey meaning. Historical, cultural, social and technological developments and their impact on the field of graphic design will be studied. An interactive environment for the study of the development and the practical applications of visual imagery will be promoted. Cost of supplies: $50. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM  
**Offered:** Fall, Spring  
**Credit Hours:** 3  
**Department:** Art

**ART 142 - Art Internship**  
**Prerequisites:** Permission of the instructor and a minimum of 9 art credits.  
**Description:** Supervised placement of the student in an artist's studio, gallery position or other setting appropriate to student's area of art study, to enable the student to gain work experience that enriches the theoretical concepts developed in the classroom. Students may incur additional travel expense. This course may be taken for credit only once. Open to Art majors only. SUNY GEN ED-n/a; NCC GEN ED-HUM  
**Offered:** Spring  
**Credit Hours:** 3  
**Department:** Art

**ART 145 - Raku and Pit-Firing**  
**Prerequisites:** ART 122 or ART 147.  
**Description:** This ceramics course will introduce the student to basic hand building and Raku and Pit-Firing of ceramic pieces that are formed in class. The student will participate in the rapid-fire technique, the quick cool down and the reduction of their pieces. Also explored in this course will be various methods of creating decorative surfaces. Average cost of supplies: $125. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM  
**Offered:** Fall  
**Credit Hours:** 3  
**Department:** Art

**ART 147 - Potter's Wheel**  
**Description:** The potter's wheel will be the tool we will be using to make our projects. We will explore various expressive, tactile and intellectual possibilities that are available through the use of this medium. Also explored: a variety of glazing techniques and processes related to firing of clay. Historical references will contribute to students' development of critical thinking skills and creative problem solving. Average cost of supplies: $125. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM  
**Offered:** Fall, Spring  
**Credit Hours:** 3  
**Department:** Art

**ART 159 - Photography I**  
**Description:** A basic foundation in the techniques and aesthetics of photography with emphasis on the camera, digital darkroom and portfolio preparation. A dSLR (digital) camera capable of manual operation to be provided by the student. Average cost of supplies: $225 (does not include dSLR camera). Laboratory fee applies. Students who have completed ART 125 will not receive credit for ART 159. SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM  
**Offered:** Fall, Spring, Summer  
**Credit Hours:** 3  
**Department:** Art

**ART 160 - Black and White Darkroom**  
**Description:** A traditional black and white photography course utilizing film cameras and traditional darkroom techniques. Emphasis is on creativity, aesthetic considerations and the development of a personal photographic
COURSE DESCRIPTIONS

vision through class assignments, individual photographic projects, and portfolio development. Students to provide a 35-mm manually operated camera. Average cost of supplies: $275. Laboratory fee applies. Students who have completed ART 225 will not receive credit for ART 160.

SUNY GEN ED-GART; NCC GEN ED-FAPA; HUM
Offered: Fall, Spring
Credit Hours: 3

Department: Art

ART 201 - Survey of Art History I
Prerequisites: Completion of remedial courses in English and Reading.
Description: The development of architecture, painting and sculpture from their origins in Prehistory through the cultures of Ancient Egypt, the Middle East, Greece, Rome, and in Western Europe, from the time of Constantine to the end of the Middle Ages.
SUNY GEN ED-GHUM, GART; NCC GEN ED-HUM, WESH
Offered: Fall, Spring, Summer
Credit Hours: 3

Department: Art

ART 202 - Survey of Art History II
Prerequisites: Completion of remedial courses in English and Reading.
Description: The development of painting, sculpture, and architecture from the Renaissance to the twentieth century. This course explores the history of Western art from both contextual and formal art historical perspectives.
SUNY GEN ED-GHUM, GART; NCC GEN ED-HUM, WESH
Offered: Fall, Spring, Summer
Credit Hours: 3

Department: Art

ART 203 - Art Beyond the West
Prerequisites: Completion of remedial English and Reading is required.
Description: This course is a survey of selected historical topics drawn from the following non-western cultures: India, China, Southeast Asia, Japan, Oceania, Africa, Pre-Columbian Americas. Representative works of painting, sculpture, crafts, and architecture from selected cultures will be examined in the context of the religious, social, economic, and/or political forces that shaped them.
SUNY GEN ED-n/a; NCC GEN ED-HUM, GLNW
Offered: Spring
Credit Hours: 3

Department: Art

ART 222 - Ceramics II
Prerequisites: ART 122 or ART 147.
Description: Build upon prior hand building and/or potter's wheel techniques as a means to creating pottery or related sculptural constructions in clay. Glaze formulation and experience with operation of gas and electric kilns. Average cost of supplies: $125. Laboratory fee applies.
SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM
Offered: Spring
Credit Hours: 3

Department: Art

ART 223 - Sculpture II
Prerequisites: ART 123 or permission of Chairperson.
Description: Students build on skills, techniques and knowledge acquired in Sculpture I. They are encouraged to develop individual ideas into sculptural compositions and acquire related skills to verbally assess both the emerging work and the completed sculpture. Average cost of supplies: $125. Laboratory fee applies.
SUNY GEN ED-GHUM, GART; NCC GEN ED-FAPA, HUM
Offered: Spring
Credit Hours: 3

Department: Art

ART 226 - Experimental Photography
Prerequisites: ART 159 and ART 160.
Corequisites: ART 131 Pre or co-requisite.
Description: Advanced photographic and darkroom techniques and manipulative effects including black and white, color and digital photographic processes. Emphasis will be on creative expression and interpretation of ideas through alternative and experimental techniques. Students to provide their own cameras. Average cost of supplies: $225. Laboratory fee applies.
SUNY GEN ED-GHUM, GART; NCC GEN ED-FAPA, HUM
Offered: Spring
Credit Hours: 3

Department: Art

ART 227 - Studio Photography
Prerequisites: ART 159
Corequisites: ART 131
Description: This course offers students a broad foundation in studio photography with an emphasis in portraiture and still life. Students will have the opportunity to use multiple professional lighting technologies and photographic formats including electronic flash systems, quartz halogen and tungsten as well as medium format digital capture. All camera formats from 35mm - 4" x 5" may be used. Strong emphasis will be placed on project development, critical thinking and problem solving techniques. Average cost of supplies: $275. Laboratory fee applies.
SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 3

Department: Art

ART 228 - Photojournalism
Prerequisites: ART 159
Description: This course emphasizes actual experience with photojournalistic methods. Assignments include the production of photojournalistic images and documentary photography projects. Included is an overview of the techniques and styles, history, law and ethics of the practice and application of photojournalism. Average cost of supplies: $225. Laboratory fee applies.
SUNY GEN ED-GART; NCC GEN ED-FAPA; HUM
Offered: Fall, Spring
Credit Hours: 3

Department: Art

ART 229 - View Camera
Prerequisites: ART 131 and ART 159 and ART 160.
Description: This intermediate level course offers students a broad and immersive experience with large format photography. Students will use 4" x 5" Field and View cameras as a means to explore camera movements, exposure, sheet film development, gelatin-silver printing, high end digital scanning and advanced inkjet printing techniques. Strong emphasis will be placed on project development, critical thinking and problem solving techniques. Cameras will be provided for student use. Average cost: $350. Laboratory fee applies.
SUNY GEN ED-GHUM, GART; NCC GEN ED-FAPA, HUM
Offered: Fall
Credit Hours: 3

Department: Art

ART 230 - Color Photography
Prerequisites: ART 159.
Corequisites: ART 131 and ART 160 Pre and co-requisites.
Description: This course includes an introduction to film and digital based photographic imagery that utilizes applications of color as an aesthetic and thematic consideration. A variety of materials, applications, and current trends is explored.
COURSE DESCRIPTIONS

Average cost of supplies: $225. Laboratory fee applies.
SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Art

ART 231 - Digital Printing for Photographers
Prerequisites: ART 131 and ART 159
Description: This intermediate level course will provide students with the necessary foundation in digital output technologies. Emphasis will be placed on critical thinking skills and project development as they are informed by advancements and techniques in photographic imaging. Topics include: image editing software, color management, profile creation and workflow techniques as they relate to specific output processes. Average cost of materials: $350. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Art

ART 235 - Fashion Art Techniques II
Prerequisites: ART 135 and ART 136.
Description: Students design collections by exploring the roles of research, design development, and editing in the fashion design process. Emphasis is placed on the knowledge of key fashion categories, markets and price points. This course also introduces the basics of computer-aided design specifically used in the fashion industry. Using vector based software, students learn techniques to conceptualize fashion designs and create industry-standard presentations. Average cost of supplies: $75. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Art

ART 236 - Fashion Art Techniques III
Prerequisites: ART 135, ART 136 and ART 235.
Description: To develop an awareness of broad-based market demands. To develop an awareness of market timing (seasonal and campaigns). To develop an awareness of marketable presentations. To appreciate the relationship of theme, fabrics, price range, and colors in the preparation of a portfolio. Average cost of supplies: $75. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Art

ART 237 - Digital Video and Special Effects
Prerequisites: ART 130 and ART 131.
Description: Hands on course in digital video and special effects using live video footage and computer-generated imagery (CGI). Topics include: digitizing video, editing, creating titles, compositing and visual effects. Traditional concepts such as storyboarding, lighting and camera work will also be covered. Students will create finished commercial or creative video shorts and learn how to present these on the World Wide Web or DVD. Average cost of supplies: $100. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Art

ART 238 - 3D Animation
Prerequisites: Minimum grade of "C" in ART 138.
Description: Hands-on course in 3D computer Animation. Topics include: animated logos, motion paths, camera movement, particle systems, simulated physics and character rigging. Students will learn about scripting, storyboarding, recording animations and integrating computer-generated imagery (CGI) with other applications. Average cost of supplies: $200. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Art

ART 239 - Web Design I
Prerequisites: ART 130, ART 131, ART 137 and ART 140 or Permission of Chairperson.
Description: This course will investigate the application of interactive design, composition and narrative for the purpose of creating websites. Students will conceptualize and produce web pages using popular web authoring software. Emphasis will be on the integration of various visual and narrative elements into a rich user experience. Average cost of supplies: $200. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Art

ART 240 - Portfolio Workshop
Prerequisites: ART 133 and ART 239 or Permission of the Instructor, for Art Majors Only. Must be taken in the last semester.
Description: Research, creation and completion of a professionally relevant major project in a chosen medium (print portfolio, computer animation or an interactive multimedia program). Average cost of supplies: $200. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Art

ART 249 - Web Design II
Prerequisites: ART 239.
Description: This course will focus on creativity in digital and multimedia art using advanced techniques and authoring tools to create professional animations, websites, and games. There will be a strong emphasis on typography, graphics, animation, special effects, sound and video to create dynamic and user-friendly interface design for a large target audience. Average cost of supplies: $200. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Art

American Sign Language

ASL

ASL 152 - American Sign Language I
Prerequisites: Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.
Description: An introduction to American Sign Language, the natural language of the deaf community in the United States and Canada. Focuses on conversation in signs, basic rules of grammar, and aspects of the deaf community. (Not open to students who have completed COM 152)
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Communications

ASL 153 - American Sign Language II
Prerequisites: Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.
Description: Continuation of basic American Sign Language and Deaf culture study, with opportunities to build receptive and expressive sign vocabulary and phrases; use of signing space; social expressions and body language;

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introduction to finger spelling. (Not open to students who have completed COM 153) SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring, Summer

Credit Hours: 3
Department: Communications

ASL 226 - Communication and Culture in the Deaf Community
Prerequisites: Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.
Description: This course explores the communication and culture of deaf people. It focuses on a unique human communication phenomenon: namely a community with a communication and cultural system that is not based on a spoken language. The relationship between communication and culture is examined through an analysis of the different aspects of the Deaf culture and community, including language, the arts, norms, values, traditions and patterns of everyday life of the Deaf community and its interaction with a hearing-dominant society. This course will be conducted in English; knowledge of American Sign Language is not required. (Not open to students who have completed COM 226) SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 3
Department: Communications

ASL 252 - American Sign Language III
Prerequisites: ASL 153 or permission of instructor. Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.
Description: A continuation of American Sign Language II, expanding the emphasis on ASL grammar and vocabulary development and Deaf culture. Dialogues, short stories, narratives and short conversations, both receptive and expressive, will be featured throughout the course. (Not open to students who have completed COM 252) SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 3
Department: Communications

ASL 253 - American Sign Language IV
Prerequisites: ASL 252 or permission of the instructor. Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.
Description: An advanced course in American Sign Language (ASL) designed to provide additional interactive opportunities for students to continue development of their knowledge of vocabulary and grammatical features, and of Deaf culture. (Not open to students who have completed COM 253) SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 3
Department: Communications

Basic Education Program

BEP

BEP 090 - Basic Education Reading
Description: This course, a requirement of the Basic Education Program, is designed to improve the skills of reluctant readers. Students select fiction and nonfiction books and read intensively throughout the semester to experience the work of a variety of authors in several genres. Through classroom reading, conversation and correspondence, as well as through rigorous weekly homework assignments, students learn to read actively and respond thoughtfully to text. They become familiar with literary terms and reading/writing strategies they will need to succeed in subsequent coursework. This class meets three times a week and provides an intensive, active educational experience within a framework of classroom and learning center support. Freshman assigned to this course must pass it before proceeding to RDG 001 or RDG 002. (4 class hours).
SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 0
Department: Reading/BEP

BEP 091 - Basic Education English
Description: This course, a requirement of the Basic Education Program, is designed to help students strengthen their basic writing skills in preparation for the demands of college-level writing. Students create essays through the process of prewriting, drafting, revising and editing their work with the help of peer and instructor feedback to develop a sense of purpose and audience. They learn to incorporate ideas gleaned through reading expository text into their essays to strengthen their arguments and develop appropriate techniques for writing in timed and untimed settings. The class meets three times a week and provides intensive, active educational experience within the framework of classroom and learning center support. Students assigned to this course must pass it before proceeding to ENG 001 or ENG 101. (4 class hours)
SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 0
Department: Reading/BEP

Biology

BIO

BIO 101 - General Biology I
Description: Life processes are studied to develop an understanding of structures and functions of organisms. Major topics include the scientific method, cell structure and function, and a survey of human anatomy and physiology. Laboratory includes the dissection of a typical vertebrate. (3 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI Offered: Fall, Spring, Summer
Credit Hours: 4
Department: Biology
BIO 102 - General Biology II
Description: A survey course which explores the basic biological principles of reproduction and development, classical and molecular genetics, evolution, behavior and ecology. The diversity of life is examined in the laboratory as well as through field trip experiences. (3 lecture, 3 laboratory hours) Laboratory fee applies.  
SUNY GEN ED-GLAB; NCC GEN ED-LSCI  
Offered: Fall, Spring, Summer  
Credit Hours: 4  
Department: Biology

BIO 103 - Ecology
Description: A study of the relationships between the living and non-living components of the biosphere. The student examines dynamics and complexities of ecosystems, communities and populations of organisms. An examination of human impact and value systems upon ecosystems is considered throughout the course. Field work is undertaken when applicable. (3 lecture, 3 laboratory hours) Laboratory fee applies.  
SUNY GEN ED-GLAB; NCC GEN ED-LSCI  
Offered: Fall, Spring, Summer  
Credit Hours: 4  
Department: Biology

BIO 104 - Zoology
Description: A survey of the structure, physiology, adaptations, and life cycles of animals. Laboratory includes a study of microscopic forms, dissection of more advanced invertebrates, and selected vertebrates including frog, fetal pig, and perch. Field trip identification of local fauna is included as one of the course objectives. Course fulfills one semester of a laboratory science for students who have interest in or desire to pursue studies in zoology, wildlife, marine biology, and ecology. (3 lecture, 3 laboratory hours) Laboratory fee applies.  
SUNY GEN ED-GLAB; NCC GEN ED-LSCI  
Offered: Fall, Spring, Summer  
Credit Hours: 4  
Department: Biology

BIO 109 - Principles of Biology I
Prerequisites: High school biology, high school chemistry (or equivalent, such as CHE 107), successful completion of all remedial English and remedial reading requirements.  
Description: This is the first course in the BIO 109 - BIO 110 sequence. This sequence is intended for students majoring in the sciences, including the health sciences, and secondary science education. These courses cover the basic concepts of biology that are derived from the study of living things. In the first semester, emphasis is placed upon the molecular and cellular levels of life. Topics such as cell structure, metabolism, molecular genetics, cell division and control mechanisms are discussed. The second semester deals with life on organism through the ecosystem levels. Plant and animal systems are examined in the context of their role in evolution and the environment. The diversity of life is examined in the laboratory as well as through field trip experiences. The laboratory includes a dissection of more advanced invertebrates and selected vertebrates. (3 lecture, 3 laboratory hours) Laboratory fee applies to each course.  
SUNY GEN ED-GLAB; NCC GEN ED-LSCI  
Offered: Fall, Spring, Summer  
Credit Hours: 4  
Department: Biology

BIO 110 - Principles of Biology II
Prerequisites: BIO 109.  
Description: This is the second course in the BIO 109 - BIO 110 sequence. This sequence is intended for students majoring in the sciences, including the health sciences, and secondary science education. These courses cover the basic concepts of biology that are derived from the study of living things. In the first semester, emphasis is placed upon the molecular and cellular levels of life. Topics such as cell structure, metabolism, molecular genetics, cell division and control mechanisms are discussed. The second semester deals with life on organism through the ecosystem levels. Plant and animal systems are examined in the context of their role in evolution and the environment. The diversity of life is examined in the laboratory as well as through field trip experiences. The laboratory includes a dissection of more advanced invertebrates and selected vertebrates. (3 lecture, 3 laboratory hours) Laboratory fee applies to each course.  
SUNY GEN ED-GLAB; NCC GEN ED-LSCI  
Offered: Fall, Spring, Summer  
Credit Hours: 4  
Department: Biology

BIO 116 - Human Genetics
Description: (Formerly BIO 105 / BIO 106) Human Genetics examines the basic concepts of DNA and normal and abnormal gene function in human development and life. A point of emphasis is the relationship between genetic material and environmental impacts, including radiation, chemicals and viral infection. Genetic engineering, birth defects, DNA fingerprinting, gene therapy, cancer and the human problems associated with these subjects are discussed. Laboratory exercises involve work with living organisms. (3 lecture, 3 laboratory hours) Laboratory fee applies.  
SUNY GEN ED-GLAB; NCC GEN ED-LSCI  
Offered: Fall, Spring, Summer  
Credit Hours: 4  
Department: Biology

BIO 118 - On Becoming Human
Description: (Formerly BIO 113 / BIO 114) A biological examination of what it means to become a human. The course traces the development of human form and function from conception to birth through lectures, discussions and laboratory experiences on human genetics, reproduction, development, and birth. (3 lecture, 3 laboratory hours) Laboratory fee applies.  
SUNY GEN ED-GLAB; NCC GEN ED-LSCI  
Offered: Spring  
Credit Hours: 4  
Department: Biology

BIO 119 - Oceanology
Description: (Dual listed with SCI 119) The course is designed as an overview of the structure, origin, and evolution of the world's oceans. Investigations will include analysis of abiotic factors such as sediments, coastlines, water properties, and movement. Students will take a close look at general water circulation, tides, currents, waves, and the effects of weather and climate. Further investigations will focus on biotic factors such as marine organisms, food chains, resources, and man's relationship to the sea. Note: This is a three-credit course and does not fulfill the laboratory science requirement needed for graduation. There will be no waivers issued under any circumstances. (3 lecture hours)  
SUNY GEN ED-GLAB; NCC GEN ED-NSCI  
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Biology

BIO 120 - Birds and the Environment
Prerequisites: One semester of college biology or permission of the Department.

Description: The anatomy, physiology, and behavior of birds will be studied in context of their environments. Classification and evolution of birds are also discussed. Laboratory exercises involve dissection, field trips, and individual investigative projects involving data collection and analysis. Field trips include representative Long Island habitats: marine, fresh water, woods, and fields. (3 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Offered: Summer
Credit Hours: 4
Department: Biology

BIO 121 - A Survey of Mammals

Description: The course introduces students to the biology of mammals. The characteristics of mammals, how they evolved and their phylogenetic relationships are examined. A survey of the living mammalian orders, their features, life history characteristics, physiological and behavioral specializations, and habitat and ecological significance is discussed. Field trips are a required portion of the course.
SUNY GEN ED-n/a; NCC GEN ED-NSCI
Offered: Spring
Credit Hours: 3
Department: Biology

BIO 124 - Plants and Society

Description: This course surveys the various groups of plants, their structures and functions, their ecology and economic importance. Students will apply botanical concepts to understand the greenhouse effect, organic gardening, transgenic plants, medicinal uses of plants, and conservation of natural resources. The laboratory component requires students to perform research and participate in ongoing investigative projects by using the scientific processes to construct hypotheses, design experiments, evaluate data, and draw conclusions. (3 lecture, 3 laboratory hours - including field trips) Laboratory fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Offered: Fall, Summer
Credit Hours: 4
Department: Biology

BIO 125 - Introduction to Marine Science

Description: An introductory level course dealing with Marine Science. It provides a framework for illustrating biological principles and processes. Aspects taught include ecology, diversity of plants and animals, marine communities and habits, and current issues and topics related to human intervention. Laboratory emphasis is on observation, sampling, and studies of marine animals and plant communities. Field trips are a required portion of the course. (3 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Offered: Fall, Spring
Credit Hours: 4
Department: Biology

BIO 130 - Molecules & Medicines

Description: The course includes basic chemistry, history of healing plants, medicinally active ingredients of plants, and modes of action of traditional and modern medicines on the human physiology. The laboratory component requires students to perform research, test common myths using the scientific processes, analyze data, and participate in other investigative exercises. (3 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Offered: On Occasion
Credit Hours: 4
Department: Biology

BIO 131 - Pathophysiology

Prerequisites: BIO 101 or AHS 131 and AHS 132

Description: The course is designed to familiarize students with a host of clinical diseases and their signs, symptoms, risk factors, and treatments. Case studies will be used throughout the course: including use of Internet information from national disease websites. Students will also be required to demonstrate their knowledge of human anatomy.
SUNY GEN ED-n/a; NCC GEN ED-NSCI
Offered: Fall, Spring
Credit Hours: 3
Department: Biology

BIO 162 - Animal Ecology

Prerequisites: High School biology or similar course experience.

Description: The fundamental principles of ecology are presented through habitat explorations. Patterns of animal behavior (ethology) along with the physical specializations adapting wildlife to their habitats are emphasized. Working with locally found living vertebrate and invertebrate species students will produce photo-essay investigations of assigned wildlife topics. Students must have a camera and are responsible for their own transportation to, from and around field sites. (3 lecture, 3 laboratory hours for 7 1/2 weeks. This is a half semester course that may be taken in sequence with BIO 165 for 4 credits.) Laboratory fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Offered: Fall, Spring, Summer
Credit Hours: 2
Department: Biology

BIO 165 - Natural History of Long Island

Prerequisites: High School biology or similar course experience.

Description: The course aims at expanding the student's knowledge about Long Island's ecological diversity. During field trips students will investigate the factors affecting the preservation of several natural ecosystems in proximity to the College. Critical thinking skills, class discussions and natural science methodology will be combined for the production of photo-essays exploring Long Island's plant and animal communities. The impact of commercial development on ecological balance, and items in local news, provide the themes for class projects. Students must have a camera and are responsible for their own transportation to, from and around field sites. (3 lecture, 3 laboratory hours for 7 1/2 weeks. This is a half semester course that may be taken in sequence with BIO 162 for 4 credits). High school biology or similar experience recommended. Laboratory fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Offered: Fall, Spring, Summer
Credit Hours: 2
Department: Biology

BIO 201 - Anatomy

Prerequisites: BIO 101 and BIO 102 or BIO 109 and BIO 110 with a grade of C or better in each course, or permission of the Department.

Description: This course is an exploration of the intricate structure of the human body. The student studies the various tissues, organs, and systems which function together to maintain life. The laboratory includes dissection of a representative mammal - the cat. (3 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Offered: Fall, Summer
Credit Hours: 4
Department: Biology

BIO 202 - Physiology
COURSE DESCRIPTIONS

Prerequisites: BIO 201 with a grade of C or better, or permission of the Department.
Description: A study of the normal functions of the human organism. The student surveys the various systems of the body, their activities and interrelationships. Much of the laboratory work involves measurement of human body functions. Combined with BIO 201, this course is an excellent introduction to anatomy and physiology. (3 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEB ED-GLAB; NCC GEN ED-LSCI Offered: Spring, Summer
Credit Hours: 4
Department: Biology

BIO 203 - Oceanography
Prerequisites: A one year college level science course or permission of the Department.
Description: An introduction to the interactions of the chemical, geological, physical, and biological processes of the marine environment. Laboratory emphasis on observation, sampling techniques and analytical procedures. Field trips are a required portion of course. (3 lecture, 3 laboratory hours, including field trips) Laboratory fee applies.
SUNY GEB ED-GLAB; NCC GEN ED-LSCI Offered: On Occasion
Credit Hours: 4
Department: Biology

BIO 204 - Marine Biology
Prerequisites: Need either BIO 101, BIO 102, BIO 103, BIO 104, BIO 109, BIO 110, BIO 115, BIO 116, BIO 118, BIO 119, BIO 120, BIO 124, BIO 130, BIO 131, BIO 162, BIO 165, BIO 203; CHE 107, CHE 108, CHE 131, CHE 132, CHE 135; SCI 101, SCI 102, SCI 108, SCI 109, SCI 110, SCI 120 or permission of the Department.
Description: This course provides an introduction to the plant and animal communities inhabiting shallow and deep North Atlantic marine waters. Emphasis is placed on diversity of adaptations for interaction with the varied salt water environments. Field trips are a required portion of course. (3 lecture, 3 laboratory hours, including field trips) Laboratory fee applies.
SUNY GEB ED-GLAB; NCC GEN ED-LSCI Offered: Fall, Summer
Credit Hours: 4
Department: Biology

BIO 209 - Nutritional Science I
Prerequisites: BIO 109 and BIO 110
Description: Recommended for science majors, the course includes such topics as the digestion, absorption, and function of nutrients. Regulatory mechanisms that influence the requirements and metabolism of nutrients are considered.
SUNY GEN ED-n/a; NCC GEN ED-LSCI Offered: On Occasion
Credit Hours: 4
Department: Biology

BIO 210 - Nutritional Science II
Prerequisites: BIO 209 or permission of the Department
Description: This course examines nutritional physiology and pathophysiology. Topics explored include the effects of nutrients on metabolism at the molecular, cellular, and systemic levels, including special metabolic needs during growth, reproduction, stress, and senescence, as well as, current theories and controversies in the field of nutritional science. Students will critically analyze and evaluate nutritional research, identifying trends and the influence they have on health promotion and disease prevention.
SUNY GEN ED-n/a; NCC GEN ED-NSCI Offered: On Occasion
Credit Hours: 4
Department: Biology

BIO 211 - Developmental Biology
Prerequisites: BIO 101 and BIO 102 or BIO 109 and BIO 110 or permission of the Department.
Description: This course explores the molecular, cellular and genetic processes of invertebrate and vertebrate development from fertilized egg to multicellular organism. The evolution of developmental mechanisms will also be discussed. A comparative study of invertebrate and vertebrate embryos will be included in the laboratory. (3 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEB ED-GLAB; NCC GEN ED-LSCI Offered: Spring
Credit Hours: 4
Department: Biology

BIO 212 - Comparative Anatomy
Prerequisites: BIO 101 and BIO 102 or BIO 109 and BIO 110 or permission of the Department.
Description: An intensive course dealing with the anatomy of various vertebrates. Through a study of the present anatomical structures, the evolutionary development of these animals is outlined. Differences and similarities of organ systems from various species are discussed. (3 lecture, 3 laboratory hours) Laboratory fee applies. Generally offered spring.
SUNY GEB ED-GLAB; NCC GEN ED-LSCI Offered: Spring
Credit Hours: 4
Department: Biology

BIO 214 - Microbiology
Prerequisites: BIO 101 - BIO 102 or BIO 109 - BIO 110 or permission of the Department.
Description: This course examines the morphology, physiology, structure, genetics, and metabolism of microorganisms, including the roles played by microorganisms in medical, environmental, agricultural, and biotechnological sciences. The laboratory deals with the culture and study of microorganisms, the dynamics of microbial growth, and the physiological basis of bacterial identification. (3 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEB ED-GLAB; NCC GEN ED-LSCI Offered: Fall, Spring, Summer
Credit Hours: 4
Department: Biology

BIO 215 - Histology
Prerequisites: BIO 101 - BIO 102 or BIO 109 - BIO 110 or permission of the Department.
Description: Exploration of the microscopic structure of the human body. An appreciation is developed of the interactions of cells and tissues which result in a harmonious, complex body. Laboratory examination of the structure of cells, tissues, and organs of the body. (3 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEB ED-GLAB; NCC GEN ED-LSCI Offered: On Occasion
Credit Hours: 4
Department: Biology

BIO 216 - Parasitology
Prerequisites: BIO 101 - BIO 102 or BIO 109 - BIO 110 or permission of the Department.
Description: This course investigates the lives of animal parasites of medical, veterinary and economic importance. The habitats, life cycles, geographic distribution and underlying principles of transmission, diagnosis, treatment and prevention are considered. Through the use of prepared microscope slides and living materials, the student is given the opportunity to view and study a wide variety of parasitic organisms. (3 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-LSCI Offered: Fall
Credit Hours: 4
Department: Biology

BIO 219 - Field Biology
Prerequisites: BIO 101 - BIO 102 or BIO 109 - BIO 110 or permission of the Department.
COURSE DESCRIPTIONS

**BIO 226 - Investigations in Human BioNutrition**

**Prerequisites:** BIO 101 or BIO 115 or permission of the Department  
**Description:** This course explores current theories and controversies in the field of nutritional science. Students will evaluate research trends and critically analyze the influence of nutrition on health promotion and disease prevention.  
**SUNY GEN ED-n/a; NCC GEN ED-NSCI**  
**Offered:** Fall, Spring  
**Credit Hours:** 3  
**Department:** Biology

**BUS 109 - Introduction to Corporate Business**

**Description:** The course is an introduction to the role of corporate business as a primary source of goods, services, employment, and income. It provides beginning business students and non-business majors with an understanding of the basic scope of corporate business and its relationship to government and society. Students will have a "hands-on" corporate experience to learn the operations and activities of a major corporation as an additional component to the course.  
**SUNY GEN ED-n/a; NCC GEN ED-n/a**  
**Offered:** Fall, Spring, Summer  
**Credit Hours:** 3  
**Department:** Accounting and Business Admin

**BUS 110 - Introduction to Business**

**Description:** An introduction to the role of business in American life as a primary source of goods, services, employment and income. The course provides the beginning business student and the non-business student with an understanding of the basic nature and scope of business and its relation to government and all members of society. Students examine the operation and activities of large and small enterprises and the interrelationship of the various specialized fields of business.  
**SUNY GEN ED-n/a; NCC GEN ED-n/a**  
**Offered:** Fall, Spring, Summer  
**Credit Hours:** 3  
**Department:** Accounting and Business Admin

**BUS 111 - Entrepreneurship**

**Description:** An introduction to the management of small business. The course covers the role of small business in the economy, and is designed both for those interested in establishing businesses as well as those who have already established them. Emphasis is placed on development of a managerial philosophy for entrepreneurs, managers, and potential managers. Course work includes operational techniques, legal and environmental relationships, and analysis of the risks and rewards of managing or owning small enterprises.  
**SUNY GEN ED-n/a; NCC GEN ED-n/a**  
**Offered:** Fall, Spring, Summer  
**Credit Hours:** 3  
**Department:** Accounting and Business Admin

**BUS 112 - Principles of Management**

**Description:** An examination of the character and structure of modern business organizations; how individuals and groups within these organizations conduct themselves
as they strive for personal and enterprise goals. Topics covered include planning, organizing, directing and controlling functions of managers; human relations and motivation; financial and non-economic considerations which provide the basis of decision making. Students are involved in experiencing a combination of textbook theory and current business practices through problem solving techniques.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer

Credit Hours: 3

Department: Accounting and Business Admin

BUS 140 - Introduction to International Business

Description: An introduction to the challenges and problems faced by American firms in conducting business in world markets. The course will expose students to the concepts and principles dealing with world trade, foreign environments, global operations and the necessary global managerial skills required for success in such activities.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring

Credit Hours: 3

Department: Accounting and Business Admin

BUS 150 - Organizational Behavior

Description: Principles of effective human resource administration are discussed in this course. Topics include the human resources department and its objectives, management-labor relations with special references to elements affecting recruitment, selection, training, evaluation and compensation.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring

Credit Hours: 3

Department: Accounting and Business Admin

BUS 180 - Sport Facility Management

Description: An overview of the challenges and issues facing sport facility managers. The course will introduce students to issues such as introduction to sport facility management, facility management, facility systems and operations, facility administration and event and activity management.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Winterim, Spring, Summer

Credit Hours: 3

Department: Accounting and Business Admin

BUS 280 - Introduction to Sports Management

Description: An introductory course that will provide future managers with basic information about employees and their behavior within the context of a business environment. Topics include motivation, communication, decision making, group behavior, team development, conflict, change, empowerment, leadership styles, power, authority, work design, performance appraisal and reward systems.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring

Credit Hours: 3

Department: Accounting and Business Admin

BUS 600 - Co-op Partnership with Industry

Prerequisites: Completion of remedial and/or ESL courses are required. In addition, students must have completed a minimum of 12 credits and be in good academic standing prior to the commencement of the course or obtain permission of the chairperson. Students who are not department majors must be recommended by an instructor and obtain the permission of the department chairperson.

Description: The course provides supervised, practical, paid, full-time experience at institutions that offer students opportunities to which they apply concepts learned in the classroom. Written reports demonstrating the understanding of theories and their applications are an integral part of the curriculum. Travel and living expenses may be incurred contingent upon placement.
SUNY GEN ED-n/a; NCC GEN ED-n/a

Credit Hours: 6

Department: Accounting and Business Admin

Civil Engineering Technology

CET

CET 101 - Residential Construction Methods

Description: Students learn the types and organization of construction projects. Content includes the materials used in construction: concrete, steel, masonry, and wood; interior finishes, plumbing and electrical systems related to construction; methods of testing, excavation, foundation construction and superstructure erection. State and local codes, code administration and construction safety are also discussed. Films and individual projects are required. (1 lecture, 3 laboratory hours)
Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring

Credit Hours: 2

Department: Engineering/Physics/Tech

CET 103 - Introductory Civil Engineering Technology

Description: An introductory course in the art of engineering designed to acclimate the students to the engineering profession and to acquaint them with the techniques and methodologies of engineering design. The "design" aspect of the course consists of an introduction to computer integration (as it applies to the engineering profession), graphical techniques, and design oriented problems using analysis software. The objectives of the design section entail the generation of engineering related problems. (1 lecture, 3 laboratory hours)
Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
COURSE DESCRIPTIONS

Credit Hours: 2
Department: Engineering/Physics/Tech

CET 107 - Codes and Construction
Prerequisites: Enrollment in the Interior Design or Construction Management program, or permission of Department.
Description: Overview of practice and materials of construction, building types and structural framing. Instruction on the development and use of the current New York State Uniform Fire Prevention and Building Code, the 1992 Americans with Disabilities Act and their relation to residential and commercial uses of space. Instruction on fire codes related to materials used in interior design. (2 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 2

CET 111 - Structural Drawing I
Prerequisites: ENS 105.
Description: Drawing of plans and details used in building construction. Development of drafting techniques and standards, using AutoCAD computer drafting software. (1 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 3

Department: Engineering/Physics/Tech

CET 150 - Blueprint Reading
Description: Introduction to blueprint reading for building construction. Study and interpretation of building plans; architectural, mechanical and electrical. Estimating theory and quantity takeoff. (2 lecture, 2 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 2

Department: Engineering/Physics/Tech

CET 201 - Construction Estimating
Prerequisites: CET 101, CET 103 and CET 150.
Description: Estimating costs of building construction. Practice in finding required material quantities from drawings. Procedures for estimating labor, material, and equipment costs. Scheduling of construction by CPM (Critical Path Method) including the use of estimating software. (1 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring

Credit Hours: 2
Department: Engineering/Physics/Tech

CET 211 - Structural Drawing II
Prerequisites: CET 111.
Description: Development of data and preparation of drawings used in building construction and civil engineering. Using Auto CAD computer drafting software. (1 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall
Credit Hours: 2

Department: Engineering/Physics/Tech

CET 218 - Statics of Structure
Prerequisites: MAT 109.
Description: Resultants and equilibrium of coplanar force systems; trusses and three force members; force systems in space; friction, centroids and moments of inertia of composite areas.
SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 3

Department: Engineering/Physics/Tech

CET 219 - Mechanics of Materials
Prerequisites: CET 218.
Description: Stress and strain in elastic bodies when subject to external tensile, compressive, shear and torsion forces. Beam reactions, shears, bending moment diagrams and deflections, by the moment-area method are determined. Column analysis; introduction to indeterminate structure.
SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Spring
Credit Hours: 3

Department: Engineering/Physics/Tech

CET 222 - Materials Testing Laboratory
Corequisites: CET 219.
Description: Determination of physical properties of construction materials. Standard tests used on the American Society of Testing Materials and the American Concrete Institute standards including report writing software. (3 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Spring
Credit Hours: 3

Department: Engineering/Physics/Tech

CET 223 - Structural Steel Design
Prerequisites: CET 219.
Description: Analysis of statically determined structures. Design and investigation of structural steel members; columns, beams, trusses, and girders. Bolted, riveted, and welded connections reactions, shear, bending moment and deflection by analytic and graphical methods, including the use of design software. (2 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall

Department: Engineering/Physics/Tech

CET 225 - Soils and Foundations
Prerequisites: CET 219.
Description: The course is an introduction to soil mechanics with application to problems encountered in construction and design. Topics include soil origin and nature, soil properties, field sampling, gradation, compaction, classification, permeability, soil strength. Laboratory experiments include the classification and evaluation of engineering properties of soil for predicting its behavior in accordance with ASTM and AASHTO specifications. The course also covers the structural design of foundations such as retaining walls, grade beams and footings. (3 lecture, 2 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Spring
Credit Hours: 3

Department: Engineering/Physics/Tech

CET 231 - Elementary Surveying
Prerequisites: MAT 109.
Corequisites: ENS 105
Description: Basic principles of plane surveying. Field practice and office procedures. Use of level, transit, stadia, electronic theodolite and total station. Use of survey computation software for determination of horizontal and vertical controls and areas. Mapping of selected areas. (2 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Spring
Credit Hours: 3

Department: Engineering/Physics/Tech

CET 232 - Route Surveying
Prerequisites: CET 231.
Description: Field and office procedures in layout of highways, railroads, and pipelines. Profile leveling, horizontal and vertical curves and alignment. Mapping, plotting profiles and cross sections. Cut and fill computations. Principles of field astronomy. Computations using defined software. (2 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall
COURSE DESCRIPTIONS

Credit Hours: 3
Department: Engineering/Physics/Tech

CET 240 - Hydraulics
Prerequisites: CET 219 or PHY 101.
Description: The course studies fundamental properties and behavior of fluids under static and flow conditions. Topics covered include hydrostatic force, buoyancy, pressure, manometry, continuity and energy equations, laminar and turbulent flow, losses, flow through pipes and open channels, and flow measurements, as well as an introduction to surface water hydrology. The rational method is used to determine peak flows. Laboratory experiments study the principal physical properties of liquids and major laws of fluid mechanics. (3 lecture, 2 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring, Summer
Credit Hours: 3
Department: Engineering/Physics/Tech

CET 250 - Construction Planning and Scheduling
Prerequisites: CET 101, CET 103 or permission of the Department Chairperson.
Corequisites: CET 101, CET 103 or permission of the Department Chairperson.
Description: Concepts and methods for planning and scheduling of operations and resources on construction projects. Topics include Gantt charts, progress curves, critical path methods, and project networking techniques. Extensive use of computer software to aid the student in planning and analysis of scheduling, resource management and updating construction operations. (2 lecture, 2 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 3
Department: Engineering/Physics/Tech

CET 252 - Construction Safety
Prerequisites: CET 101 or permission of the Department Chairperson.
Description: Introduction to occupational safety and health practices in the construction industry. This course provides an overview of U.S. Department of Labor, Occupational Safety and Health 1926 Standards for the construction industry. Course work includes a detailed study of construction safety management. Topics include personal protective equipment, hazardous communications, site safety management, inspection and supervision for erection and demolition of structures.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 3
Department: Engineering/Physics/Tech

CET 254 - Mechanical and Electrical Equipment for Buildings
Prerequisites: CET 101 or permission of the Department Chairperson.
Description: Introduction to the basic concepts of mechanical systems design and construction for residential and commercial buildings. Systems design and equipment selection is performed for heating, cooling, plumbing, sanitation, electrical lighting and acoustics. Emphasis is placed on the use of the International Building code and A.S.H.R.A.E Standards.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring
Credit Hours: 3
Department: Engineering/Physics/Tech

CET 256 - Construction Contracts and Specifications
Prerequisites: CET 101 or permission of the Department Chairperson.
Description: Introduction to building construction contract documents. Student is exposed to contract law, general conditions of the contract and construction specifications using the Construction Specifications Institute Standards. Analysis of owner, designer, and contractor responsibilities under contract.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring
Credit Hours: 2
Department: Engineering/Physics/Tech

CET 260 - Construction Project Management
Prerequisites: CET 101 or permission of the Department Chairperson.
Description: Introduction to methods and techniques of managing construction projects. Construction business organization, contracts, bonding, insurance, construction site supervision, labor law and labor relations. Introduction to computer applications in project administration. (2 lecture, 2 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring
Credit Hours: 3
Department: Engineering/Physics/Tech

Chemistry

CHE

CHE 107 - General Chemistry
Prerequisites: Completion of all ENG, RDG and MAT remediation requirements.
Description: General Chemistry, CHE 107, is a one-semester laboratory course in basic chemistry. Students are introduced to the fundamental concepts of physics and mathematics that are required to understand chemistry. The course then follows a semi-traditional introduction to chemistry: relative atomic/molecular weights, the mole concept, solution chemistry, stoichiometry, gas laws, and atomic structure. This course satisfies the prerequisite requirements for CHE 151. (3 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Offered: Fall, Spring, Summer
Credit Hours: 4
Department: Chemistry

CHE 108 - Consumer Chemistry
Prerequisites: Completion of all ENG, RDG and MAT remediation requirements.
Description: A non-mathematical course in chemistry for non-science students. The course explores the science of chemistry as it relates to modern society. Chemical principles are taught on a "need to know basis" as they are required to explore scientific issues that impact modern society. It satisfies the laboratory requirement for liberal arts. (3 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Offered: Fall, Spring, Summer
Credit Hours: 4
Department: Chemistry

CHE 109 - Contemporary Topics in Chemistry
Prerequisites: Completion of all ENG, RDG and MAT remediation requirements.
Description: This is a three-credit non-laboratory course in chemistry. Topics covered include forensic science, development of pharmaceuticals, actions of drugs in the body, toxicity of chemicals, and green chemistry. This course satisfies the liberal arts requirements for a non-laboratory science course in chemistry. (3 lecture hours) SUNY GEN ED-n/a; NCC GEN ED-NSCI
Offered: Spring, Summer
Credit Hours: 3
Department: Chemistry

CHE 131 - General Chemistry I
Prerequisites: Completion of all ENG, RDG and MAT remediation requirements.
Description: This is the first course of the CHE 131 - CHE 132 sequence. The
COURSE DESCRIPTIONS

 course covers fundamental principles of modern chemistry including problem-solving techniques. Topics include atomic and molecular structure, chemical nomenclature, stoichiometry, chemical bonding, properties of gases, liquids and solids, and solutions. One year of high school chemistry and a working knowledge of elementary mathematics including algebra is strongly suggested. (3 lecture, 3 laboratory hours) Laboratory fee applies.

CHE 152 - Inorganic Chemistry II
Prerequisites: Completion of all ENG, RDG and MAT remediation requirements.
Description: This is the second course of the CHE 131 - CHE 132 sequence. This course covers fundamental principles of modern chemistry including problem-solving techniques. Topics include thermochemistry, thermodynamics, kinetics, equilibrium, acid-base theory, solubility products, oxidation-reduction, nuclear chemistry, and organic chemistry. (3 lecture, 3 laboratory hours) Laboratory fee applies.

CHE 153 - Chemistry for Applied Sciences
Prerequisites: Completion of all ENG, RDG and MAT remediation requirements.
Description: A one semester laboratory course encompassing basic principles of inorganic, organic and biochemistry with emphasis on their application. Topics include metric/SI systems, energy, basic atomic theory, stoichiometry, gas laws, solutions, pH, buffers, nomenclature and structure of organic compounds, amino acids, proteins, carbohydrates, lipids and metabolism. (3 lecture, 3 laboratory hours) Laboratory fee applies.

CHE 154 - Introductory Organic Chemistry
Prerequisites: CHE 131 or permission of Chairperson.
Description: CHE 200 offers a basic introduction to the world of organic chemistry. A functional group approach, emphasizing structure, nomenclature, preparation and reactivity is used. While the approach parallels CHE 201 to an extent, it is significantly less demanding and thus cannot be substituted for the higher level course. Nevertheless, many science and pre-professional students with weak backgrounds in chemistry have found CHE 200 helpful as a refresher course before taking CHE 201 - CHE 202. (3 lecture, 3 laboratory hours) Laboratory fee applies.

CHE 221 - Clinical Chemistry
Prerequisites: CHE 200.
Description: A one-semester course designed to train medical technologists in the principles and practices of the science of clinical chemistry, specimen collection and processing, quality control, modern instrumentation in clinical chemistry, basic physiology, analytical procedures, and correlations of abnormal values with the disease states. Laboratory utilizes modern instrumentation in the determination of biochemical profiles such as liver, kidney, heart, electrolytes, lipids, thyroid function, pancreatic function and the monitoring of therapeutic drugs. (2 lecture, 6 laboratory hours) Laboratory fee applies.

CHE 260 - Biochemistry
Prerequisites: CHE 200 or CHE 201 or permission of Chairperson.
Description: For paramedic science students. This course presents classes of biologically interesting compounds and covers their structure, biosynthesis, and metabolism. Physiological buffers are also presented. The laboratory stresses analysis of such classes.

Nassau Community College: http://collegecatalog.ncc.edu/current
of compounds. (3 lecture, 3 laboratory hours)
Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-LSCI
Offered: Spring, Summer
Credit Hours: 4
Department: Chemistry

Chinese

CHI

CHI 101 - Beginning Chinese I
Prerequisites: Satisfactory completion of ENG 001 and RDG 002.
Description: Fundamentals of grammar, pronunciation, culture and conversation. Reading, writing, listening comprehension and simple conversational patterns. This course is not intended for students of Chinese speaking background. Laboratory fee applies. Laboratory component required. SUNY GEN ED-n/a; NCC GEN ED-GLNW, HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Foreign Languages

CHI 102 - Beginning Chinese II
Prerequisites: CHI 101 or equivalent. Satisfactory completion of ENG 001 and RDG 002.
Description: Fundamentals of grammar, pronunciation, culture and conversation. Reading, writing, listening comprehension and simple conversational patterns. Laboratory fee applies. Laboratory component required. SUNY GEN ED-n/a; NCC GEN ED-GLNW, HUM
Offered: Spring
Credit Hours: 3
Department: Foreign Languages

Computer Processing

CMP

CMP 100 - Computer Literacy
Description: This course provides the general liberal arts student with a non-technical approach to computers. The lecture component discusses the role of computers in various disciplines and its impact on individuals, institutions and society. The hands-on approach allows the student to become familiar and comfortable with current technology, popular software and the Internet. Computer Information Systems and Computer Science majors will not receive credit for this course.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 2
Department: Math/Computer Science/Info Tec

CMP 101 - Introduction to Computers
Prerequisites: Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.
Description: An introduction to computers applying critical thinking and problem solving strategies in science, mathematics and information/data management. The course will address issues of information validity and value judgments. Students will develop both qualitative and quantitative solutions to college-level applications. Topics include computer hardware and software, security, ethics, networking, and networking. Students will be introduced to operating systems software. Emphasis is placed on the planning, administration, control, and design of database management systems. A database programming language (command files, report generator, and screen files) is also presented. It is suggested that students have previous microcomputing experience and/or programming experience (or CMP 101 and CMP 103) before enrolling in this course. (4.5 contact hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 4
Department: Math/Computer Science/Info Tec

CMP 103 - IT Essentials
Prerequisites: Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.
Description: This course is designed to provide students with fundamental concepts pertinent to the IT industry related to personal computers, computer hardware, and operating systems software. Students will learn how various hardware and software components work and best practices in maintenance, safety and security involved in the processing of data. Through lab activities, major emphasis is placed on learning how to assemble and configure computers, install operating systems and popular software packages, as well as troubleshooting hardware and software issues. Upon the completion of this course students will have covered topics found on the CompTIA A+ exam. (4.5 contact hours and 4 credits). Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 4
Department: Math/Computer Science/Info Tec

CMP 105 - Electronic Spreadsheets
Prerequisites: Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.
Description: This course introduces electronic spreadsheet application software. Topics include spreadsheet operations, creation of charts and graphs, data query, multiple spreadsheets, links and macro programming. It is designed for computer processing, business and general liberal arts students interested in obtaining comprehensive hands-on training in the use of electronic spreadsheets. (4.5 lecture hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 4
Department: Math/Computer Science/Info Tec

CMP 106 - Database Processing
Prerequisites: Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.
Description: This course is an introduction to database processing for business and information systems. Emphasis is placed on the planning, administration, control, and design of database management systems. A database programming language (command files, report generator, and screen files) is also presented. It is suggested that students have previous microcomputing experience and/or programming experience (or CMP 101 and CMP 103) before enrolling in this course. (4.5 lecture hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 4
Department: Math/Computer Science/Info Tec

CMP 115 - Computers in Business
Prerequisites: Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.
Description: This course introduces the role of computers and data processing in the business environment. Topics include: essential business computer concepts, computer hardware/software, modern business computer systems, the Internet, data communications, networking, and systems analysis and design. An introduction to DOS and Windows is covered. Electronic spreadsheets are used to emphasize business analysis and decision-making using computers. This course is primarily for business majors. Computer Information Systems or Computer Science majors will not receive credit for this course. Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 3
Department: Math/Computer Science/Info Tec

CMP 117 - Business Computing: Concepts and Applications
**Prerequisites:** Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

**Description:** This course is designed to provide the business student with a broad-based background in the use of computer systems in business and industry. An overview of computer hardware and software concepts with their impact on business systems is an integral part of the course. Students are introduced to a variety of information systems and the development life cycle utilized in the private sector. The importance of networking structures and the analysis of data flow within business and management information systems (MIS) are covered. Use of the Internet for global electronic commerce is discussed. The hands-on component of the course provides students with substantial use of spreadsheet, database and presentation software to analyze data and solve real-life business problems. Students will be introduced to databases that exhibit the hierarchy of data and the relational database model. (Students will not receive credit for both CMP 115 and CMP 117; Computer Science or Information Technology majors will not receive credit for this course.) Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a

**Credit Hours:** 4

**Department:** Math/Computer Science/Info Tec

**CMP 205 - Survey of Operating Systems**

**Prerequisites:** Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

**Description:** Students are introduced to the basic concepts of operating systems and will study the similarities and differences between at least three current and popular architectures and user interfaces. Topics include shell languages, file structures, background processes, system software, including editors, and system utilities. These topics will be covered for each of the different systems. Theoretical concepts covered include multi-tasking, inter-process communication and system administration. Use of both written and on-line system documentation is required. Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a

**Credit Hours:** 3

**Department:** Math/Computer Science/Info Tec

**CMP 219 - Object Oriented Programming in C++**

**Prerequisites:** At least a C in CSC 130 or ITE 204 (or equivalent). Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

**Description:** This is a course in object-oriented design and programming using C++ and is intended for students who already have a firm understanding of the object-oriented paradigm including objects, classes, and inheritance. The topics presented prepare the student for advanced study in Computer Science and Information Systems. Topics include C++ basics, I/O streams, class definition, friend functions and operator overloading, dynamic memory allocation/deallocation, dynamic binding, and virtual functions. Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a

**Credit Hours:** 3

**Department:** Math/Computer Science/Info Tec

**CMP 490 - Cooperative Education Internship**

**Prerequisites:** Permission of Department, approval by the Agency offering the internship, a minimum of 9 CMP credits, and a minimum GPA of 2.75. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

**Description:** This is a course integrating classroom study with career related professional training in the area of Information Technology. The student will be placed in a corporation, small business or other setting related to the field of Information Technology and will gain work experience that enriches the theoretical concepts developed in the classroom.

SUNY GEN ED-n/a; NCC GEN ED-n/a

**Credit Hours:** 4

**Department:** Math/Computer Science/Info Tec

**Communications**

**COM**

**COM 030 - Public Speaking for Non-Native Speakers (ESL III)**

**Prerequisites:** Placement test.

**Description:** COM ESL III is a preparatory public speaking course for advanced ESL students. It teaches organizational, research, and delivery skills. Students will learn how to carry out research, create a bibliography, write an outline, and deliver an informative speech. Improved fluency and clear articulation in English are also goals of this course. This course is offered only in conjunction with the credit bearing (3 credits) course COM 103. The courses will be given in an intensive (four days a week) format, and both can be completed in one semester.

SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Fall, Spring

**Credit Hours:** 0

**Department:** Communications

**COM 101 - Interpersonal Communications**

**Prerequisites:** Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.

**Description:** This course is a study of the historical and contemporary principles and concepts of human communication. An examination of the interpersonal communication process will help the student gain an awareness of the elements which both aid and hinder communication. Skills which will increase communication effectiveness will be studied, including verbal and nonverbal behavior, listening, assertiveness, and conflict resolution. Course will incorporate an analysis of theoretical applications.

SUNY GEN ED-GBCM; NCC GEN ED-COM, HUM

Offered: Fall, Spring, Summer

**Credit Hours:** 3

**Department:** Communications

**COM 103 - Public Speaking**

**Prerequisites:** Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.

**Description:** Principles and practices of public speaking. Emphasis in public speaking on preparation and presentation of speeches, selection of materials, organization and development, delivery, audience analysis, critical listening, and constructive evaluation. Three researched, informative speeches are required.

SUNY GEN ED-GBCM, NCC GEN ED-COM, HUM

Offered: Fall, Spring, Summer

**Credit Hours:** 3

**Department:** Communications

**COM 104 - Film Appreciation**

**Prerequisites:** Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.

**Description:** Consideration of the film's coming of age as a major art form and its interaction with printing, theatre, television and radio. Time is devoted to readings and discussions on the form and aesthetics of the film as a popular culture and as art, on film criticism, with the analysis of historical and current films.

SUNY GEN ED-GHUM; NCC GEN ED-HUM

Offered: Fall, Spring, Summer
COURSE DESCRIPTIONS

Credit Hours: 3
Department: Communications

COM 107 - Film Production I
Prerequisites: Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.

Description: A study of the creative & artistic concerns & fundamental processes involved in filmmaking. Emphasis on the preproduction planning, shooting, editing & screening of films. Material fee applies.
SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring

Credit Hours: 3
Department: Communications

COM 109 - Television Journalism
Prerequisites: Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.

Description: A comprehensive study of electronic journalism as prepared and presented through the medium of television. Students engage in the creation of television news production. Students develop a critical awareness of television news.
SUNY GEN ED-GBCM; NCC GEN ED-HUM
Offered: Fall, Spring

Credit Hours: 3
Department: Communications

COM 110 - Understanding Mass Media
Prerequisites: Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.

Description: The study of mass media, radio, television, film, print, advertising of our time. How do the media reshape and restructure us as individuals, in the social group and as a "global village"? How do mass media work on the inside? How do mass media work outside on the lives of the consumers?
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring

Credit Hours: 3
Department: Communications

COM 112 - History of Film
Prerequisites: Permission of Department Chairperson. Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.

Description: A history of the motion picture from the beginning to the present day, as it emerged as a form of entertainment, art & education. The course examines those influences, forms & techniques which have altered & affected the growth & development of the medium.
SUNY GEN ED-GHUM; NCC GEN ED-HUM
Offered: Fall, Spring

Credit Hours: 3
Department: Communications

COM 113 - Documentary Media
Prerequisites: Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.

Description: A study of documentary media, radio and film. Emphasis on the documentary as a form of communication. Students are introduced to some of the major documentary figures and periods of the medium.
SUNY GEN ED-GBCM; NCC GEN ED-HUM
Offered: Fall, Spring, Summer

Credit Hours: 3
Department: Communications

COM 119 - Oral Interpretation
Prerequisites: Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.

Description: A study of the theories of oral interpretation. The course examines the role of the speaker in the transaction of messages. The communication implications of organizational structure on the processing, networking, and transaction of messages. The communication climates of organizations are analyzed.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall

Credit Hours: 3
Department: Communications

COM 121 - Small Group Communication
Prerequisites: COM 101. Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.

Description: The study of the theories of small group communication and the application of principles of effective listening in academic, professional, and personal situations. Students will analyze and test their own listening patterns and faulty reasoning and refuting opposing views. For all students, particularly those interested in business and the professions.
SUNY GEN ED-GBCM; NCC GEN ED-HUM; COM
Offered: Fall, Spring, Summer

Credit Hours: 3
Department: Communications

COM 122 - Communication for Business and the Professions
Prerequisites: COM 101. Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.

Description: A course designed to acquaint students with the fundamental principles and concepts of communication within the organizational environment. It assists in developing interpersonal skills needed for effective performance in business and the professions. The course examines the communication implications of organizational structure on the processing, networking, and transaction of messages. The communication climates of organizations are analyzed.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall

Credit Hours: 3
Department: Communications

COM 123 - Argumentation and Debate
Prerequisites: Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.

Description: Provides students an opportunity to locate, organize and use rational arguments both for and against controversial issues of national importance. Classroom debates promote skill in cross-examination, detecting faulty reasoning and refuting opposing views. For all students, particularly those interested in business and the professions.
SUNY GEN ED-GBCM; NCC GEN ED-HUM; COM
Offered: Fall, Spring, Summer

Credit Hours: 3
Department: Communications

COM 130 - Communication in Black America
Prerequisites: Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.

Description: (Dual listed with AFR 197)
A study of how oral communication functions in various relationships. Emphasis on discussion, group exercises, role playing. The role of oral communication in the Black experience.

SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 3

Department: Communications

COM 201 - Voice and Diction
Prerequisites: Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.
Description: A study of the structure and function of the speech and voice mechanism. The course is designed to provide training for the improvement of articulation and voice quality. The International Phonetic Alphabet and its use in recording the sounds of American English are studied. Emphasis is given to the practice and application of principles basic to good speech production. Voice recordings and individual conferences with the instructor are required of all students.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 3

Department: Communications

COM 202 - Persuasive Speaking
Prerequisites: Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.
Description: Students who have taken COM 102 will not receive credit for COM 202. Examines the role of persuasion in contemporary society. Focus on both the technical and ethical aspects of persuading. Study of attention, various appeals, and structure in adapting to audiences. Assigned speeches.
SUNY GEN ED-GBCM; NCC GEN ED-HUM, COM
Offered: Fall, Spring, Summer
Credit Hours: 3

Department: Communications

COM 203 - Phonetics
Prerequisites: Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.
Description: This course will provide students with a strong foundation in the study of human speech by focusing on the physiological aspects as well as the physical components of speech sounds. Students will study the anatomy of the vocal tract, articulation processes, dialects and accents, the articulatory and acoustic properties of speech sounds, the International Phonetic Alphabet, and the direct application of phonetic principles. This course is intended to fit within the recommended sequence of course work to be completed by undergraduates who wish to enter the fields of Speech Pathology/Audiology, Linguistics, and TESL/TEFL.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 3

Department: Communications
COM 222 - Nonverbal Communication  
**Prerequisites:** COM 101. Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.  
**Description:** Theories and methods of nonverbal communication. Emphasis on the analysis and significance of nonverbal cues and their effects on behavior in daily living. Participation in exercises demonstrating various aspects of nonverbal communication including body language, eye movement, smell and space and time relationships. Exploration of nonverbal behavior of other cultures and subcultures. Mini-projects in observing and recording nonverbal behavior in many kinds of situations including those in which nonverbal norms are violated.  
SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
**Credit Hours:** 3  
**Department:** Communications

COM 224 - Intercultural Communications  
**Prerequisites:** COM 101. Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.  
**Description:** This course will examine the factors that help people understand, adjust to, and interact with others of diverse cultures. The focus will be on the strategic role of communication within the context of sociocultural factors that affect communication style and effectiveness. Students will become familiar with major theory and research in intercultural communication and have an opportunity to develop and practice those competencies that will increase their effectiveness in intercultural interactions.  
SUNY GEN ED-n/a; NCC GEN ED-PLDI, HUM  
Offered: Fall  
**Credit Hours:** 3  
**Department:** Communications

COM 290 - Media Practicum  
**Prerequisites:** Departmental permission. Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.  
**Description:** Supervised practical experience at media facilities providing the students with situations in which they can apply concepts learned in previous media courses. Field experience and future career opportunities will be discussed in a collateral on-campus class. The focus of this course is on media technology. (Prior coursework in media or permission of the Departmental Chair required.) Three credits (1 1/2 hours classroom lecture, discussion; 12 hours field experience)  
SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring, Summer  
**Credit Hours:** 3  
**Department:** Communications

Criminal Justice

CRJ 101 - Police Organization and Administration  
**Prerequisites:** Completion of RDG 001 and ENG 001.  
**Description:** Administrative principles and practices which apply to law enforcement and public safety agencies, including the formulation of policy and procedures, rules and regulations, deployment, coordination of activity, and the enactment of procedural and tactical planning.  
SUNY GEN ED-n/a; NCC GEN ED-n/a  
Offered: Fall, Spring, Summer  
**Credit Hours:** 3  
**Department:** Criminal Justice

CRJ 105 - Foundations of the Justice System  
**Prerequisites:** Completion of RDG 001 and ENG 001.  
**Description:** Students will be provided with basic knowledge of the philosophy, structure and processes utilized in the delivery of justice. This survey of justice will provide students with the necessary knowledge so they can understand and impact the system to enable it to best serve individual and/or societal needs.  
SUNY GEN ED-n/a; NCC GEN ED-n/a  
Offered: Fall, Spring, Summer  
**Credit Hours:** 3  
**Department:** Criminal Justice

CRJ 106 - Understanding Criminal Behavior  
**Prerequisites:** Completion of RDG 001 and ENG 001.  
**Description:** Focuses on a branch of criminal justice dealing with criminal behavior in relation to legal principles and court cases. Practical aspects of assessment, management and treatment functions of the practitioner will be examined from both a clinical and a behavioral perspective. Students will explore theories, techniques and research methods associated with judicial settings and correctional institutions.  
SUNY GEN ED-n/a; NCC GEN ED-n/a  
Offered: Fall, Spring, Summer  
**Credit Hours:** 3  
**Department:** Criminal Justice

CRJ 110 - Introduction to Correction  
**Prerequisites:** Completion of RDG 001 and ENG 001.  
**Description:** A survey of the correctional field: origins, development, current status, and future prospects. The course is intended for students who would like to explore the field of corrections. The focus is on the current state of corrections, with enough background material to illuminate relevant contemporary events.  
SUNY GEN ED-n/a; NCC GEN ED-n/a  
Offered: Fall, Spring, Summer  
**Credit Hours:** 3  
**Department:** Criminal Justice

CRJ 111 - Probation and Parole I  
**Prerequisites:** Completion of RDG 001 and ENG 001.  
**Description:** This course focuses on two important components of the correctional system which are frequently used as alternatives to incarceration of offenders. Students are introduced to the historical development of these systems, as well as to their legal aspects and the theories governing probation and parole. This course gives particular emphasis to the impact of these systems in the Criminal Justice System.  
SUNY GEN ED-n/a; NCC GEN ED-n/a  
Offered: Fall, Spring, Summer  
**Credit Hours:** 3  
**Department:** Criminal Justice

CRJ 112 - Probation and Parole II  
**Prerequisites:** Completion of RDG 001 and ENG 001, CRJ 110, CRJ 111, or CRJ 215 or permission of instructor or chairperson.  
**Description:** This course reviews relevant issues in probation and parole systems which require in-depth analysis. Major problems are thoroughly examined and possible solutions are suggested. These areas cover a wide range of problems which have been in existence for long periods of time, and those which have developed as a result of the emergence of new technology or change in philosophy in the correctional discipline.  
SUNY GEN ED-n/a; NCC GEN ED-n/a  
Offered: Fall  
**Credit Hours:** 3  
**Department:** Criminal Justice

CRJ 113 - Community Based Corrections  
**Prerequisites:** Completion of RDG 001 and ENG 001.  
**Description:** This course assists students in understanding the principles and philosophy of alternatives to incarceration. The course focuses on the various correctional programs...
COURSE DESCRIPTIONS

available to offenders which are designed to assist the individual to make a more realistic adjustment to normal community living following the commission of a criminal offense or delinquent act.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Criminal Justice
CRJ 207 - Criminal Justice Internship
Prerequisites: Completion of RDG 001 and ENG 001.
Description: This course offers a classroom seminar and assignment in various agencies within the Criminal Justice System, providing students with the opportunity to include an internship in their studies and to integrate classroom learning with practice before considering entering the criminal justice professions. Field experience will occur in Police, Sheriff, Probation, Correction, Parole, County Attorney, District Attorney, and related agencies at the local level. Students will become acquainted with the function, structure, staff and clientele of these Criminal Justice agencies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Criminal Justice
CRJ 215 - Introduction to Juvenile Delinquency and Justice
Prerequisites: Completion of RDG 001 and ENG 001. Permission of instructor.
Description: This course focuses on the differences between mediation, arbitration and fact finding, and how each of these processes is used on the Federal, state, and local level. A comparative study of dispute resolution centers throughout the United States, and how these centers are used as an alternative to the Criminal Justice System. The course will provide outlines for student participation in role playing dispute situations, and how the disputes are resolved, including the final agreement between the parties.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Criminal Justice
CRJ 216 - Investigation Interviewing and Counseling
Prerequisites: Completion of RDG 001 and ENG 001.
Description: This course examines the various functions of investigations conducted on offenders, preparation of reports for various agencies, interviewing techniques most applicable to the correctional client, and the various issues involved in the counseling of these specific types of clients.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Criminal Justice
CRJ 218 - International Criminal Justice Systems
Prerequisites: Completion of RDG 001 and ENG 001. CRJ 105 or CRJ 110 or permission of instructor or Department chairperson.
Description: This course examines the various functions of investigations conducted on offenders, preparation of reports for various agencies, interviewing techniques most applicable to the correctional client, and the various issues involved in the counseling of these specific types of clients.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Criminal Justice
CRJ 219 - Sentencing Alternatives and the Juvenile Delinquent

Nassau Community College: http://collegecatalog.ncc.edu/current
Prerequisites: Completion of RDG 001 and ENG 001. CRJ 215.

Description: A seminar course that will focus on presenting functional sentencing alternatives for juvenile delinquents and persons in need of supervision (PINS). The course objectives will involve instruction supported by an active learning environment, including campus-based fieldwork. Students will participate in conflict resolution and mediation, teen court scenarios, diversion programs and a wide variety of other community based sentencing alternatives. Students, under faculty supervision, will have an opportunity to interface with agencies that provide alternative sentencing programs in Nassau County.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3
Department: Criminal Justice

CRJ 220 - Women in the Criminal Justice System

Prerequisites: Completion of RDG 001 and ENG 001.

Description: This seminar will explore the various theoretical explanations underlying contemporary female criminality. The issues of female victimology, women as offenders & female practitioners in the criminal justice system will be examined. Problems within the various rehabilitative and punitive sentencing alternatives will be identified and analyzed.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 3
Department: Criminal Justice

CRJ 221 - Police Supervision and Public Relations

Prerequisites: Completion of RDG 001 and ENG 001.

Description: A seminar course on the administration of justice & community relationships. It utilizes the interdisciplinary activities & emphasizes the evaluation of police facilities at the community level.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 3
Department: Criminal Justice

CRJ 225 - Criminal Law

Prerequisites: Completion of RDG 001 and ENG 001.

Description: Introduction to the origin and function of the substantive criminal law of New York State; review and analysis of the elements of major offenses at common law and under modern penal codes, and the available defenses; review and discussion of leading judicial interpretations of penal codes.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Criminal Justice

CRJ 226 - Criminal Procedure

Prerequisites: Completion of RDG 001 and ENG 001.

Description: Devoted to the study of the criminal law administration as mandated by the Supreme Court of the United States through legal controls over police investigative procedures. Specifically, the 4th, 5th, 6th, and 14th Amendments of the U.S. Constitution and the New York criminal procedure law are discussed and analyzed through the case law. Special emphasis is placed on procedures involving arrests, searches and seizures, warrants and interrogation.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Criminal Justice

CRJ 227 - Constitutional Law

Prerequisites: Completion of RDG 001 and ENG 001.

Description: Introduces the student to the institutional aspects of the U.S. Constitutional system. Historically, the relationship between the Federal Constitution (the Bill of Rights and 14th Amendment) and the states is traced through a study of the decisions of the United States Supreme Court.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Criminal Justice

CRJ 228 - Law of Evidence

Prerequisites: Completion of RDG 001 and ENG 001.

Description: A brief analysis of the law of evidence for undergraduates which will be beneficial to police officers and students intending to enter the field of criminal justice and law.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 3
Department: Criminal Justice

CRJ 230 - Introduction to White Collar Crime

Prerequisites: Satisfactory completion of ENG 001 and RDG 001 / RDG 002 if required.

Description: This class focuses on the different types of white collar crime such as identity theft, antitrust violations, bank fraud, computer/Internet fraud, economic espionage, counterfeiting, embezzlement, money laundering, bribery, securities fraud among others. Secondary aspects include theories/explanations of white collar crime, enforcement, adjudication and criminal statutes.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Criminal Justice

Computer Repair Technology

CRT

CRT 201 - Personal Computer Equipment Servicing I

Description: This course is the first of a two-course sequence designed to provide the skills required to install, service and maintain personal computers and their peripheral devices. Topics include microcomputer fundamentals; PC hardware; the addition or replacement of field replaceable modules; installation and configuration procedure for various devices; common problems associated with each module and troubleshooting techniques. Microprocessor support systems, memory systems, on-board I/O, expansion slots, system board upgrading and troubleshooting conclude the course.
Department computer facility will be used for all laboratory work. Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 4
Department: Engineering/Physics/Tech

CRT 202 - Personal Computer Equipment Servicing II

Prerequisites: CRT 201

Description: This course is the second of a two-course sequence designed to provide the skills required to install, service, and maintain personal computers and their peripheral devices. The course begins with coverage of input/output devices, including coverage of serial and parallel ports, troubleshooting port problems. The construction, installation and troubleshooting of input devices such as keyboards, mice, trackballs, joysticks, light pens, touch-screens and scanners are discussed. Magnetic storage is then covered including disk drive operation, floppy disk drives, hard disk drives, RAID systems and tape drives. Video displays, including CRT basics, color monitor video standards,
video controllers, liquid crystal displays and gas plasma displays are covered. The characteristics, mechanics, installation and troubleshooting of dot-matrix, ink-jet and laser printers are studied. Data communications is covered, including modems, local area networks and wide area networks. Department computer facility will be used for all laboratory work. Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring
Credit Hours: 4
Department: Engineering/Physics/Tech

Computer Science

CSC

CSC 104 - Programming Logic and Problem Solving
Prerequisites: Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.
Description: The course is an introduction to programming logic and problem solving including programming concepts and terminology. The focus of the course is on critical thinking skills necessary to write computer programs and provides students with an introduction to programming without focusing on the details of programming syntax. This course is intended for students with little or no object-oriented programming experience. Students who have completed CMP 104 will not get credit for CSC 104. (3 lecture hours)
SUNY GEN ED-n/a; NCC GEN ED-CMPS, FBAE, MBAE
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 3
Department: Math/Computer Science/Info Tec

CSC 120 - Computer Science I
Prerequisites: At least a C in CSC 104 or at least a C in MAT 111 or permission of Department. Student must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.
Description: This course is an introduction to computer programming and algorithmic problem solving using an object-oriented, high level programming language. Emphasis is placed on problem solving strategies that utilize multiple classes and methods. This course will focus on the following concepts: algorithm implementation, modular development, documentation, abstraction and coding along with problem solving strategies. Includes supervised hands-on component. Students who have completed CMP 210 will not get credit for CSC 120. (4 lecture, 2 laboratory hours) Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 4
Department: Math/Computer Science/Info Tec

CSC 130 - Computer Science II
Prerequisites: At least a C in CSC 120. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.
Description: This course expands on the design of object-oriented programs introduced in Computer Science I. Students will be introduced to abstract data types including stacks, queues, and lists. Emphasis is placed on the design and implementation of these abstract data types as well as applications that utilize them. Object-oriented programming concepts such as composition, inheritance, polymorphism, and exception handling are utilized throughout this course. An introduction to binary-trees and recursion is provided. Includes supervised hands-on laboratory component. Students who have taken CMP 211 will not get credit for CSC 130. (4 lecture, 2 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-CMPS, FBAE, MBAE
Offered: Fall, Spring
Credit Hours: 4
Department: Math/Computer Science/Info Tec

CSC 217 - C Programming Language
Prerequisites: At least a C in CSC 130 or CMP 219 or ITE 204, or permission of the Department. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.
Description: The C programming language is widely used in both the computer industry and as a tool for studying advanced topics in the area of Computer Science. Topics include language syntax, scalar and compound data types, pointers, functions, operators, modular coding practices and files. Both the ANSI version and the traditional C are discussed with emphasis on the former. Typically fall day and spring evening. Students who have completed CMP 217 will not get credit for CSC 217. Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Math/Computer Science/Info Tec

CSC 230 - Data Structures
Prerequisites: At least a C in CSC 130. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 4
Department: Math/Computer Science/Info Tec

CSC 240 - Mobile Application Development

Prerequisites: At least a C in CSC 130 or permission of the Department
Description: This course introduces students to the emerging field of mobile device software development. Capitalizing upon their prior experience in general-purpose object-oriented program development, students will learn how to write and test programs for handheld devices. Students will learn about the hardware limitations of handheld devices and how to optimize performance for them. Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Math/Computer Science/Info Tec

CSC 250 - Computer Organization and Assembly Language Programming

Prerequisites: At least a C in CSC 130. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.
Description: Implementation and discussion of registers, addressing modes, relocatability, base arithmetic, data representation, assembly and linkage using a particular instruction set and architecture. Topics include arithmetic calculation, memory organization, flow of control, address modification and access method, bit and byte manipulations, I/O, user and system interrupts, routines and macros. Typically fall day and spring evening. Students who have completed CMP 207 will not get credit for CSC 250. (4.5 lecture hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 4
Department: Math/Computer Science/Info Tec

CSC 260 - Analysis of Computer Architecture and Software

Nassau Community College: http://collegecatalog.ncc.edu/current
Dance

DAN

DAN 101 - Dance in the 20th Century
Prerequisites: Satisfactory completion of Remedial Reading.
Description: A study of the development of dance as an art form from the Romantic Era at the end of the 19th century to the contemporary stage. Representative choreographers, dance theories, trends and personalities are discussed. The course includes film shows and subsequent seminar discussion related to the films, as well as practical workshops for exploring movement concepts and styles. Attendance at dance performances is required.
SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM
Offered: Fall
Credit Hours: 3
Department: Theatre & Dance

DAN 105 - Dance Concepts I
Prerequisites: for Dance A.A majors only or permission of the department
Description: This is the first course in the DAN 105 - DAN 106 sequence. The use of improvisation to introduce and develop elements of dance composition through exploration of the factors of space, rhythm and dynamics; solo and group studies. Additional independent studio hours are required (3 hours).
SUNY GEN ED-GART; NCC GEN ED-HUM
Offered: Spring
Credit Hours: 2
Department: Theatre & Dance

DAN 106 - Dance Concepts II
Prerequisites: DAN 105.
Description: The use of improvisation to introduce and develop elements of dance composition through exploration of the factors of space, rhythm and dynamics; solo and group studies. Additional independent studio hours are required (3 hours).
SUNY GEN ED-GART; NCC GEN ED-HUM
Offered: Spring
Credit Hours: 3
Department: Theatre & Dance

DAN 109 - Movement for Musical Theatre
Prerequisites: for Acting A.A. degree majors only or permission of the Department.
Description: Training for movement for musical theatre with emphasis in modern jazz and tap (3 hours).
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Spring
Credit Hours: 1
Department: Theatre & Dance

DAN 110 - African American Dance Concepts
Prerequisites: Dual listed with AFR 110 - AFR 111
Description: (Dual listed with AFR 110 - AFR 111) This is the first course in the DAN 117 - DAN 118 sequence. Participation in the production, rehearsal and performance of the African American Dance Ensemble Productions.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Spring
Credit Hours: 1
Department: Theatre & Dance

DAN 111 - African American Dance Ensemble, Rehearsal and Performance
Description: (Dual listed with AFR 110 - AFR 111) This is the second course in the DAN 117 - DAN 118 sequence. Participation in the production, rehearsal and performance of the African American Dance Ensemble Productions.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall
Credit Hours: 1
Department: Theatre & Dance

DAN 117 - African American Dance Ensemble, Rehearsal and Performance
Prerequisites: for Acting A.A. degree majors only or permission of the Department.
Description: Training for movement for musical theatre with emphasis in modern jazz and tap (3 hours).
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Spring
Credit Hours: 3
Department: Theatre & Dance

DAN 118 - African American Dance Ensemble, Rehearsal and Performance
Prerequisites: for Acting A.A. degree majors only or permission of the Department.
Description: Training for movement for musical theatre with emphasis in modern jazz and tap (3 hours).
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Spring
Credit Hours: 3
Department: Theatre & Dance

DAN 125 - A Survey of the Art of African American - Dancers and Choreographers
Prerequisites: Dual listed with AFR 112
Description: An introduction to the contributions of African American creative and performing artists to the development of social and theatrical dance in America. Classroom demonstrations by representative artists and field trips to dance concerts are part of the curriculum.
SUNY GEN ED-GART, GHUM; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Theatre & Dance

DAN 126 - Introduction to Modern Dance
Prerequisites: DAN 125 or permission of the instructor.
Description: (Dual listed with AFR 110 - AFR 111) This is the first course in the DAN 127 - DAN 128 sequence. Training in modern dance techniques to develop (a) the body as a performing instrument, and (b) an awareness of the movement principles and aesthetic elements of specific dance studies (3 hours).
SUNY GEN ED-GART; NCC GEN ED-PED, HUM
Offered: Fall, Spring, Summer
Credit Hours: 1
Department: Theatre & Dance

DAN 127 - Modern Dance I
Prerequisites: DAN 126 or permission of the instructor.
Description: (Dual listed with AFR 110 - AFR 111) This is the second course in the DAN 127 - DAN 128 sequence. Training in modern dance techniques to develop (a) the body as a performing instrument, and (b) an awareness of the movement principles and aesthetic elements of specific dance studies (3 hours).
SUNY GEN ED-GART; NCC GEN ED-HUM
Offered: Spring
Credit Hours: 2
Department: Theatre & Dance

DAN 128 - Modern Dance II
Prerequisites: DAN 127.
Description: (Dual listed with AFR 110 - AFR 111) This is the second course in the DAN 127 - DAN 128 sequence. Training in modern dance techniques to develop (a) the body as a performing instrument, and (b) an awareness of the movement principles and aesthetic elements of specific dance studies (3 hours).
SUNY GEN ED-GART; NCC GEN ED-HUM
Offered: Spring
Credit Hours: 2
Department: Theatre & Dance

DAN 129 - Rehearsal and Performance
Prerequisites: for Dance A.A. degree majors only or permission of the department.
COURSE DESCRIPTIONS

Theatre & Dance

DAN 139 - Ballet for Non-Majors
Description: A course designed for non-major students. The non-major students will acquire essential ballet terminology, knowledge of movement theories as well as practical understanding of the classical and contemporary principles of ballet aesthetics as a performing art. Areas of class work will include barre practices for body alignment, feet and arm configurations, center work with allegro and adagio movement combinations with variations across the space of the dance studio.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall
Credit Hours: 1

DAN 3 - Rehearsal and Performance

DAN 140 - Elementary Modern Dance Technique and Ballet
Prerequisites: for Dance A.A. degree majors only or permission of the department.
Description: This is the second course in the DAN 129 - DAN 132 sequence. Study and performance of selected choreographed works and new works which may be traditional, contemporary or experimental in concept and structure. (Available for one credit each semester to be taken in a four-semester sequence.)
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall
Credit Hours: 1

DAN 141 - Elementary Modern Dance Technique and Ballet
Prerequisites: for Dance A.A. degree majors only or permission of the department.
Description: This is the third course in the DAN 129 - DAN 132 sequence. Study and performance of selected choreographed works and new works which may be traditional, contemporary or experimental in concept and structure. (Available for one credit each semester to be taken in a four-semester sequence.)
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall
Credit Hours: 1

DAN 142 - Rehearsal and Performance

DAN 143 - Ballet for Non-Majors
Description: This is the first course in the DAN 129 - DAN 132 sequence. Study and performance of selected choreographed works and new works which may be traditional, contemporary or experimental in concept and structure. (Available for one credit each semester to be taken in a four-semester sequence.)
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall
Credit Hours: 1

DAN 218 - African American Dance Ensemble, Rehearsal and Performance
Description: (Dual listed with AFR 114ug)
This is the second course in the DAN 217 - DAN 218 sequence. Participation in the production, rehearsal and performance of the African American Dance Ensemble Productions.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Spring
Credit Hours: 1

DAN 240 - Intermediate Modern Dance Technique and Ballet
Prerequisites: DAN 140 and DAN 141.
Description: This is the first course in the DAN 240 - DAN 241 sequence. The intermediate dancer works to develop the technical skills and understanding essential to performance of modern dance and ballet works.
SUNY GEN ED-GART; NCC GEN ED-HUM
Offered: Fall
Credit Hours: 3

DAN 241 - Intermediate Modern Dance Technique and Ballet
Prerequisites: for Dance A.A. degree majors only or permission of the department.
Description: This is the second course in the DAN 240 - DAN 241 sequence. The intermediate dancer learns the basic disciplines in dance as a performing art and acquires the knowledge and understanding of the movement principles underlying these skills.
SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM
Offered: Fall
Credit Hours: 3

DAN 243 - Rehearsal and Performance

ECO - Economics

ECO 100 - Survey of Economics
Description: A survey of the basic principles of economics, with application to contemporary issues. Operation of markets, determination of national income and its measurements, the role of financial markets, monetary and fiscal policies, and international trade are to be considered, as well as their impact upon the economy, individuals, and businesses. Business majors should take ECO 207 - ECO 208.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Offered: Fall, Spring, Summer
Credit Hours: 3

Department: Economics and Finance
ECO 110 - Personal Finance
Description: (Dual listed with FIN 110)
Personal Finance prepares students to manage their current and future financial affairs. Topics to be covered include: financial planning, saving and credit, insurance, government transfers, home buying, stocks, bonds, mutual funds, and estate planning. This is a practical and sophisticated course intended to aid students with their personal finances.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 3
Department: Economics and Finance

ECO 111 - Introduction to Finance
Description: This course offers an introduction to financial decision making and the basic structure of institutions in contemporary financial markets. Topics include time value of money, risk and return, investment types, the role of government regulation, the influence of globalization in contemporary financial markets and evaluation of financial performance and return. The role of ethics in financial decision making and institutional policy will be discussed. Internet and data base research will be used to support the course curriculum and help the student develop the necessary skills to analyze realistic scenarios used in financial markets.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Economics and Finance

ECO 112 - Introduction to Investments
Description: (Dual listed with FIN 112)
An introduction to financial investments and portfolio management. Course topics include: financial markets and instruments, reading financial listings, stock trading and indexes, risk analysis, present and future value, stock valuation and investment decisions, portfolio management, individual and portfolio yields, types and uses of derivatives, sources of investment information, mutual funds, international diversification, the macroeconomy and the impact of economic variables on investments.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Economics and Finance

ECO 207 - Principles of Macroeconomics
Prerequisites: Students must have satisfied all remediation in MAT.
Description: An introductory course which views the behavior of the economy as a whole and the problems of economic organization. Students will explore the fluctuations of output and prices. Problems and measurement of economic growth, inflation, unemployment and income will be discussed. Money, credit and financial institutions will be analyzed, as well as their impact on fiscal policies and international trade.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 3
Department: Economics and Finance

ECO 208 - Principles of Microeconomics
Prerequisites: Students must have satisfied all remediation in MAT.
Description: Overview of the economic problem, the traditional value theory, division of labor and its application to international trade. Analysis dealing with the behavior of individual elements in the economy. Organization of business, the various market structures, the theory of consumer behavior, price determination in the product and factor markets. Historic perspective of unions and their impact on the economy will be considered.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 3
Department: Economics and Finance

ECO 212 - Economic Statistics
Prerequisites: MAT 102 or permission of instructor.
Description: An introduction to economic statistics. Topics covered include review of statistical inference, time series analysis, index numbers and introduction to econometrics. This course will help students understand the construction and uses of business, government and other social statistics. Topics will include the CPI, GNP, and risk analysis.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Credit Hours: 3
Department: Economics and Finance

ECO 213 - Money and Banking
Prerequisites: ECO 207 or permission of instructor.
Description: (Dual listed with FIN 213)
Basic concepts of money and financial intermediaries. Development of commercial banks and the creation of demand deposits. Yield, risk, and interest rates will be analyzed from a monetary and fiscal perspective. Functions and policies of the Federal Reserve in credit regulation and economic stabilization will be analyzed. Monetary Theory, Keynesian vs. Monetarists, international finance, exchange rates and the balance of payments will be examined.
SUNY GEN ED-n/a; NCC GEN ED-SBS
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Economics and Finance

ECO 214 - Corporation Finance
Prerequisites: ECO 207 or permission of instructor.
Description: (Dual listed with FIN 214)
An introductory course describing the role and functioning of business firms in the economy, and the application of economic theory in the solution of managerial decisions. Topics investigated include the management of cash, inventories and receivables; selection of alternative investments; short, intermediate, and long-term sources of financing; the cost of capital, optimum capital structure; corporate dividend policies. Case problems are assigned to develop applications of general principles.
SUNY GEN ED-n/a; NCC GEN ED-SBS
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Economics and Finance

ECO 215 - Economic Development of the U.S. (Economic History)
Description: The economic forces which brought the United States from an undeveloped wilderness to its present position of world leadership will be examined. The role of economic institutions will be considered in the transformation of our nation into a highly centralized, interdependent society. The economic, social, and political problems concomitant with this development will also be studied.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
WESH
Offered: Fall
Credit Hours: 3
Department: Economics and Finance

ECO 216 - Economics of the Developing World
Prerequisites: ECO 207 or permission of the Department Chair.
Description: This course is an introductory study of the economic development of Third World countries. It focuses on the role of education, health, human resources, planning, income distribution, food supplies, natural resources and international trade in nations' development. Students will work with data, graphs and maps. Students will learn to identify and understand the differences between developed and developing nations, their respective development patterns, as
COURSE DESCRIPTIONS

well as the impact of increasing global interdependence.
SUNY GEN ED-GSBS, GOWC; NCC GEN ED-SBS, GLNW, PLDI
Offered: Spring, Summer
Credit Hours: 3
Department: Economics and Finance

ECO 218 - International Economic Systems: A Study Abroad
Prerequisites: ECO 207 or ECO 208 and permission of instructor.
Description: An in-depth and comparative study of the structure, conduct and
performance of alternate economic systems. Students will study the economic and financial
institutions and public policies of selected economic systems. The course is offered
abroad for six weeks in the summer only. For additional information, contact the Department
of Economics/Finance.
SUNY GEN ED-GSBS; NCC GEN ED-SBS, GLNW, WESH
Credit Hours: 6
Department: Economics and Finance

ECO 220 - American Banking Practice
Prerequisites: ECO 213 or permission of instructor.
Description: (Dual listed with FIN 220)
The purpose is to provide the student with an insight into the organization and internal
operation of various departments of a bank. Concentration on what a bank does, rather than the
exact procedure of how it works, is the core of this course.
SUNY GEN ED-n/a; NCC GEN ED-SBS
Credit Hours: 3
Department: Economics and Finance

ECO 222 - Economic Geography of the World
Description: A multidisciplinary course that examines how economic and geographic
conditions affect world economic activities and global development. Topics to be discussed
include resource use, population, energy, agriculture, the environment and international
trade. Globalization and international efforts to promote growth will also be discussed.
SUNY GEN ED-GSBS, GOWC; NCC GEN ED-GLNW, PLDI, SBS
Offered: Fall, Spring
Credit Hours: 3
Department: Economics and Finance

ECO 230 - Introduction to International Economics and Finance
Prerequisites: ECO 207 or permission of instructor.
Description: (Dual listed with FIN 230)
A study of the United States as an open economy which trades in goods, services and
financial assets with other nations. Topics include the reasons nations trade; the costs
and benefits of free trade; tariff and non-tariff barriers; regional trade pacts; economic
and monetary integration; foreign exchange rate determination; balance of payment
problems and international capital mobility; and international monetary institutions.
SUNY GEN ED-GSBS; NCC GEN ED-WESH, SBS
Offered: Spring
Credit Hours: 3
Department: Economics and Finance

ECO 280 - History of Economic Thought
Description: General examination of ancient and medieval economic institutions with special emphasis on its modern relevance.
Specific study of economic thought and practice of mercantilism, physiocrats, classical economics, 19th century socialist dissent, neoclassical and modern schools of economics and its contemporary significance. This study directs students' attention, whatever their field of interest, to man's economic world and the forces that are shaping it.
SUNY GEN ED-n/a; NCC GEN ED-WESH, SBS
Credit Hours: 3
Department: Economics and Finance

ECO 490 - Cooperative Education Internship
Prerequisites: ECO 207 and one other ECO or FIN course and permission of the instructor.
Description: (Dual listed with FIN 490)
Supervised, practical experience at institutions such as commercial banks, thrift institutions,
stock and bond brokerage houses, government agencies and firms employing economic practitioners that will provide students with situations in which they can apply concepts learned in previous Economics and Finance courses. Written reports demonstrating understanding of theory and its application will be an integral aspect of this course. Field experience and future career opportunities will be discussed in co-lateral, on-campus class. Prerequisite for this course is the completion of Economics 207 plus one other economics or finance course and permission of the instructor. Students must have, as a minimum, a 2.50 GPA to be enrolled in this internship course.
SUNY GEN ED-n/a; NCC GEN ED-SBS
Credit Hours: 4
Department: Economics and Finance

Education

EDU

EDU 101 - Applied Behavior Analysis: Field Experience I
Prerequisites: Permission of Chairperson.
Description: A systematic examination of facilities for the education of special education children. Emphasis is placed upon developing the student's understanding of applied behavior analysis, atypical vs. typical development, the analysis of human behavior and techniques for behavioral change, and developmentally appropriate curriculum. Field experience is designed to provide the student with opportunities for observation and participation in public and private schools for a minimum of three hours a week. (3 lecture, 3 laboratory hours). Students who have taken SEV 101 will not receive credit for EDU 101.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 4
Department: Multidisciplinary Studies

EDU 102 - Applied Behavior Analysis: Field Experience II: Practicum
Prerequisites: EDU 101 and permission of Chairperson.
Description: Supervised field experience in preschool-12th grade classes within both special and regular education classes for a minimum of 9 hrs. per week. Students will be required to demonstrate competence in developmentally age-appropriate curriculum and behavioral programs. Lecture is devoted to discussion of problems encountered on field experience. (1 lecture, 9 laboratory hours) Students who have taken SEV 102 will not receive credit for EDU 102.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 4
Department: Multidisciplinary Studies

EDU 104 - Infants and Toddlers
Description: Will explore programs, curricula for the care of children ages 6 weeks through the second year who are in group care settings. Appropriate techniques for fostering the emotional, physical, social, and cognitive development of the very young will be examined. Field visits to infant and toddler programs will be required. Students who have taken SEV 104 or NED 106 will not receive credit for EDU 104.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Summer
Credit Hours: 3

**Department:** Multidisciplinary Studies  

**EDU 105 - Introduction to Developmental Disabilities**  
**Prerequisites:** PSY 203 and PSY 213.  
**Description:** This course will provide an overview of developmental disabilities and the nature and needs of disabled people throughout the life cycle. Issues to be explored include definition of developmental disability, etiology, normalization, mainstreaming, and the role of the interdisciplinary team. Legal, ethical and cultural considerations will be emphasized as well as the impact of disabilities on the person affected, the family and the community. Students who have taken SEV 105 will not receive credit for EDU 105. SUNY GEN ED-n/a; NCC GEN ED-n/a  
**Offered:** Fall, Spring, Summer  
**Credit Hours:** 3  

**Department:** Multidisciplinary Studies  

**EDU 206 - Educational Psychology**  
**Prerequisites:** PSY 203.  
**Description:** (Dual listed with PSY 206) This course is intended to provide knowledge and understanding of the major theories and findings of the science of Educational Psychology. The course includes a consideration of such topics as: research methods in educational psychology; the cognitive, personal, social and moral development of students; the impact of student diversity on teaching and learning; the principles and processes of learning; motivational concerns in education; classroom management; techniques of teaching; and methods of assessing student learning. Students who have taken PSY 206 will not receive credit for EDU 206.  
**SUNY GEN ED-GSBS; NCC GEN ED-SBS**  
**Offered:** Fall, Spring, Summer  
**Credit Hours:** 3  

**Department:** Multidisciplinary Studies  

**EDU 235 - Psychology of the Exceptional Child**  
**Prerequisites:** PSY 203 and PSY 212 or PSY 213.  
**Description:** (Dual listed with PSY 235) Psychological development and problems of mentally retarded, physically handicapped, maladjusted, disturbed, sensory disabled, gifted and developmentally disabled children and adolescents. Students who have taken PSY 235 or SEV 103 will not receive credit for EDU 235.  
**SUNY GEN ED-GSBS; NCC GEN ED-SBS**  
**Offered:** Fall, Spring, Summer  
**Credit Hours:** 3  

**Department:** Multidisciplinary Studies  

**Electrical Engineering Technology**  

**ELT**  

**ELT 103 - Elementary Engineering I**  
**Description:** An introductory course in the art of engineering designed to acclimate the students to the engineering profession and to acquaint them with the techniques and methodology of engineering design. The "design" aspect of the course consists of an introduction to computer integration (as it applies to the engineering profession), graphical techniques, and design oriented problems using analysis software. The objectives of the design section entail the generation of engineering related problems. (1 lecture, 3 laboratory hours) Laboratory fee applies.  
**SUNY GEN ED-n/a; NCC gen ED-n/a**  
**Offered:** Fall, Spring  
**Credit Hours:** 3  

**Department:** Engineering/Physics/Tech  

**ELT 110 - Technical Practices**  
**Description:** An introductory study of the technical practices employed in the electronics industry, with particular emphasis on the design and construction of metal chassis, printed circuit boards, prototype boards, component identification and hand tool usage to be developed by the construction of technical projects. (Every student must complete the electronic projects for completion of the course. The proto board and projects will be used in other ELT courses when completed.) Approximate cost: $80. SUNY GEN ED-n/a; NCC GEN ED-n/a  
**Offered:** Fall, Spring  
**Credit Hours:** 2  

**Department:** Engineering/Physics/Tech  

**ELT 112 - Resistive Circuits**  
**Description:** Pre or Co-requisite: MAT 109. An introductory resistive circuits course employing applied mathematics for circuit analysis. The fundamental concepts of current, voltage and resistance are the major components of the course. Ohm’s law, Kirchhoff’s laws, voltage division, current division, Thevenin’s theorem, superposition, and mesh/node analysis are included as methods of analyzing resistive circuit parameters. The laboratory segment of the course provides instruction on electronic measuring equipment and practical circuit investigations. Analog and digital multimeters, power supplies, function generators, and the oscilloscope are included. Laboratory fee applies.  
**SUNY GEN ED-n/a; NCC gen ED-n/a**  
**Offered:** Fall, Spring  
**Credit Hours:** 4  

**Department:** Engineering/Physics/Tech  

**ELT 113 - Electronics I**  
**Prerequisites:** ELT 112.  
**Description:** This course begins a sequence of two courses in electronics. Semiconductor physics is introduced with applications of the semiconductor diode to rectification, clipping and clamping. The junction transistor is studied with special regard given to biasing techniques, small and large signal amplification. Laboratory fee applies.  
**SUNY GEN ED-n/a; NCC GEN ED-n/a**  
**Offered:** Spring  
**Credit Hours:** 4  

**Department:** Engineering/Physics/Tech  

**ELT 115 - Reactive Circuits**  
**Prerequisites:** ELT 112.  
**Description:** Steady state response of circuits containing resistive, capacitive, and inductive elements subject to sinusoidal excitation. Transient responses of these circuits subject to step or pulse excitation. Laboratory fee applies.  
**SUNY GEN ED-n/a; NCC GEN ED-n/a**  
**Offered:** Spring  
**Credit Hours:** 4  

**Department:** Engineering/Physics/Tech  

**ELT 203 - Automatic Control Theory II**  
**Description:** This course introduces the concepts of applied electronic instrumentation.
and automatic control. Computer analog and digital instrument circuits, and computer interface concepts are introduced during the course of study. The laboratory reinforces industrial instrumentation applications for DC control circuits using selected input/output devices. The introduction of open and closed loop position control systems (servo system, stepper motors, and robotic systems) is also included. (Each student is responsible for the implementation of an electronic control circuit project.) Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Fall

Credit Hours: 4

Department: Engineering/Physics/Tech

ELT 214 - Digital I

Prerequisites: ELT 112.

Description: An introduction to Boolean algebra, Karnaugh minimization and the analysis/design of digital networks including arithmetic circuits, counters, registers and memories. In addition, basic hardware items such as multivibrators, Schmitt triggers, and integrated circuits are analyzed.

SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Spring, Summer

Credit Hours: 3

Department: Engineering/Physics/Tech

ELT 215 - Digital II

Prerequisites: ELT 113, ELT 214.

Corequisites: ELT 217.

Description: Introduction to pulse analysis (integrators and differentiators) as well as transistor switch, bistable, monostable, integrated circuits (DTL, TTL, ECL, MOS, CMOS, NMOS, VMOS, CCD) LSI (dynamic shift register, memory-ROM, RAM) CP AMF and Modems.

SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Spring

Credit Hours: 4

Department: Engineering/Physics/Tech

ELT 217 - Lab in Digital Electronics

Prerequisites: ELT 214.

Corequisites: ELT 215

Description: Examination of basic logic components such as gates, counters, clocks, registers, and computing elements by constructing and monitoring complex digital systems. (3 laboratory hours) Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Fall

Credit Hours: 1

Department: Engineering/Physics/Tech

ELT 300 - Introduction to Pulse Analysis

Prerequisites: ELT 213.

Description: A continuation of ELT 113 and Modems.

SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Fall

Credit Hours: 3

Department: Engineering/Physics/Tech

ELT 310 - Advanced Topics in Digital Technology

Prerequisites: ELT 215 or permission of Department Chairperson.

Description: Theory and operation of microprocessors and peripherals, industrial and control systems applications of digital technology, machine and assembly language programming. (3 lecture, 3 laboratory hours) Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Spring

Credit Hours: 4

Department: Engineering/Physics/Tech

ELT 330 - Electronic Communication

Prerequisites: ELT 213.

Description: This course deals with the methods and signals used to electronically transmit and receive information. Topics include a study of continuous modulation techniques such as AM, FM, PM, as well as a variety of Pulse Modulations methods. Included are selected topics in electronic communication systems and their controls. Students receive hands-on experience in the laboratory and a working knowledge of the basic bench instrumentation commonly used within the communications industry, including signal generators, modulators, oscilloscopes and spectrum analyzers. (3 lecture, 3 laboratory hours) Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Spring

Credit Hours: 3

Department: Engineering/Physics/Tech

ENG 001 - College Preparatory English

Description: This course provides intense instruction in small classes to enable underprepared students to meet the demands of college-level writing. Specifically, students practice basic writing skills in preparation for the requirements of ENG 101 (See catalog description of ENG 101.) ENG 001 curriculum is designed to teach writing as a process encompassing pre-writing exercises, drafting, revising, and editing, but it is also provides review and instruction in basic grammar, punctuation, sentence boundaries and structural and developmental issues related to basic composition. Freshmen assigned to ENG 001 must pass it before enrolling in ENG 101. ENG 001 is a pass/fail course with no withdrawals allowed. (Students with a foreign language background are referred to the descriptions below of ENG 030. Additionally, ESL sections of ENG 001 are offered to students in need of focused language acquisition work in writing.) (3 lecture hours)

SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Fall, Spring, Summer

Credit Hours: 0

Department: English

ENG 030 - English as a Second Language (ESL Writing III)

Prerequisites: Placement by Department.

Description: This course prepares students for ENG 101. Advanced language skills and flexibility with advanced sentence structures, vocabulary, and idiomatic expressions are stressed so that students develop correct, clear, and coherent self-expression. Students practice a variety of essay structures with a focus on presenting a point of view and supporting it with evidence. By the end of the semester, students are expected to write developed, coherent essays and to substantively revise, proofread, and edit their work. The course is also designed to develop in students the skills that enable them to interpret and analyze texts.

SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Fall, Spring, Summer

Credit Hours: 0

Department: English

ENG 100 - Enhanced Composition I

Prerequisites: Score on the Placement essay of 5.5 or placement by Department.

Description: This course is equivalent to ENG 101, the first credit-bearing course in composition. ENG 100, created for underprepared students with marginal writing skills offers an extra hour for necessary developmental writing instruction and individualized support toward the creation of college-level essays. Exactly as does
ENG 101, the course prepares students to produce clear, well-developed, well-organized, grammatically correct writing. The curriculum is designed to give students guided practice in pre-writing, drafting, revising, and editing essays, with the addition of time for review and instruction in basic grammar, punctuation, sentence boundaries and structural and developmental issues related to basic composition. The course is also designed to develop skills that enable students to interpret and analyze published texts. Texts. In addition to readings assigned in class, students respond to texts they locate themselves through research and write at least one documented or research essay. Students who take ENG 100 do not take ENG 001 or ENG 101. Success in ENG 100 indicates movement to ENG 102, the next course in the composition sequence.

SUNY GEN ED-GBCM; NCC GEN ED-COMP
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: English

ENG 105 - Grammar: Structure and Strategy
Prerequisites: ENG 100

Description: This course is for students interested in improving their ability to write academic and professional English. It focuses on vocabulary, grammar, and punctuation at the sentence and paragraph levels. Students will study grammar, not only through rules and textual models, but also in the context and practice of their own writing and editing.

SUNY GEN ED-GBCM; NCC GEN ED-HUM
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: English

ENG 108 - The Craft of Composition / Honors English I
Prerequisites: By invitation only.

Description: This course centers on the study of rhetorical form-narration, description, classification, process analysis, definition, comparison/contrast, cause/effect and problem/solution-and uses the essay form as its method of investigation. The course is designed to give students a critical awareness of language and to teach language techniques through extensive readings. This course fulfills the college requirement for the first semester of English composition.

SUNY GEN ED-GBCM; NCC GEN ED-COMP
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: English

ENG 203 - Early American Literature to 1865

Description: This course is a study of the writing and organizing evidence to support their written interpretation and analysis of literary texts. The course offers students continued practice in drafting, revising, and editing essays. A primary goal for students is to produce clear, well-developed, well-organized, grammatical writing. For at least one essay, students use research materials.

SUNY GEN ED-GBCM, GHUM; NCC GEN ED-COMP
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 3
Department: English

ENG 204 - Modern American Literature from 1865 to Present

Description: This course is a study of the changing visions of the American dream as depicted by major writers since the Civil War such as Twain, Dickinson, Crane, Hemingway, Fitzgerald, Walker, Updike, Baldwin, Morrison and Kingston. Writing is the heritage of American culture as reflected in Native American folklore, the works of the American Puritans and in writers such as Irving, Poe, Douglass, Emerson, Thoreau, Hawthorne, Melville, and Whitman. Writing is an integral component of the course.

SUNY GEN ED-GHUM; NCC GEN ED-WESH, HUM, LIT
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: English

ENG 205 - Early English British Literature to 1800

Description: This course is an introduction to writing about literature. The course is designed for students to practice close reading and organizing evidence to support their written interpretation and analysis of literary texts. The course offers students continued practice in drafting, revising, and editing essays. A primary goal for students is to produce clear, well-developed, well-organized, grammatical
COURSE DESCRIPTIONS

Prerequisites: ENG 102 or ENG 109.
Description: Students are introduced to the major English writers from the Anglo-Saxon period to the 18th century. Particular themes and ideas are seen in the context of the times of such writers as Chaucer, Shakespeare, Milton, Defoe, Swift, and Pope. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT, WESH
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: English

ENG 206 - Modern British Literature from 1800 to Present
Prerequisites: ENG 102 or ENG 109; ENG 205 is not a prerequisite for this course.
Description: Students are introduced to major British writers from the late 18th through the early 21st centuries. Works of writers such as Wordsworth, Arnold, Dickens, Wilde, Woolf, Eliot, Yeats, Osborn, Lessing and Amis are studied in the context of their times and their literary and cultural values. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT, WESH
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: English

ENG 207 - African American Literature I
Prerequisites: ENG 100 or ENG 101 and ENG 102 or ENG 109
Description: (Dual listed with AFR 130)
This course covers development of African American literature from early slave narratives and folklore following the advent of the trans-Atlantic slave trade through the Revolutionary, pre- and post-Civil War periods, to the major literary flowering of the 1920s Harlem Renaissance. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT, PLDI
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: English

ENG 208 - African American Literature II
Prerequisites: AFR 130 or ENG 207 or permission of the African Studies Department.
Description: (Dual listed with AFR 130)
This course examines intellectual currents in African American literature. The course explores themes and representative authors from the 1930s to the contemporary scene. Writing is an integral component of the course.

ENG 209 - Modern Irish Literature
Prerequisites: ENG 102 or ENG 109
Description: This course examines intellectual currents by major writers such as Yeats, Joyce, Shaw, O'Casey, O'Connor, Behan, and Beckett and their cultural background in relation to the Irish literary tradition. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-WESH, HUM, LIT
Offered: Fall, Spring
Credit Hours: 3
Department: English

ENG 215 - Journalism
Prerequisites: ENG 100 or ENG 101 or ENG 108
Description: This course examines the principles and practices of journalism with emphasis on reporting and writing news features, interviews, and editing. Today's press is also examined. Because of the many writing assignments of this course, only students seriously interested in journalism should enroll.
SUNY GEN ED-GBCM; NCC GEN ED-HUM
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: English

ENG 217 - Autobiographical Writing
Prerequisites: ENG 102 or ENG 109
Description: Students read representative examples of autobiography which serve as models and inspiration for their own writing. Writing assignments include frequent journal writing and formal essays in which students use skills such as narration, description, and analysis to explore their world and examine their own ideas.
SUNY GEN ED-GART; NCC GEN ED-HUM, LIT
Offered: Fall, Spring
Credit Hours: 3
Department: English

ENG 220 - Mythology and Folklore
Prerequisites: ENG 102 or ENG 109
Description: This course is a study of the mythological roots of literatures such as Greek, Roman, Indian and African mythology, tales from the Bible, and folk material such as ballads, fables, and proverbs. Myths and symbols are traced from their early sources through the 21st century. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT
Offered: Fall, Spring
Credit Hours: 3
Department: English

ENG 222 - Latin American Literature
Prerequisites: ENG 102 or ENG 109
Description: (Dual listed with LAS 222) This course introduces students to the range of traditions that comprise the literatures of Latin America. It will examine literary productions in specific cultural and historical contexts. Spanish, Portuguese, and Francophone literature, as well as indigenous works from such countries as Brazil, El Salvador, Argentina, Cuba, Puerto Rico, and Mexico will be studied in translation. Writing is an integral component of this course. This course may not be used for foreign language credit.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT, PLDI
Offered: Fall, Spring
Credit Hours: 3
Department: English

ENG 225 - Introduction to Linguistics and Semantics I
Prerequisites: ENG 100 or ENG 101 or ENG 108.
Description: This course is a study of basic aspects of language-phonology, morphology, semantics- and other topics such as regional, social, and gender differences.
SUNY GEN ED-GBCM; NCC GEN ED-HUM
Offered: Fall
Credit Hours: 3
ENG 226 - Introduction to Linguistics and Semantics II
Prerequisites: ENG 100 or ENG 101 or ENG 108.
Description: This course examines grammatical systems and linguistic theory with primary emphasis upon first and second language acquisition.
SUNY GEN ED-GBCM; NCC GEN ED-HUM
Offered: Spring
Credit Hours: 3
Department: English

ENG 227 - South Asian Literature
Prerequisites: ENG 102 or ENG 109.
Description: This course will introduce students to the diverse literatures of South Asia. It will provide an understanding of the literary and cultural traditions of the sub-continent: classical, Islamic, European, and postcolonial. This course will include texts in English and in translation from such countries as India, Pakistan, Bangladesh, Nepal, Sri Lanka, and Tibet. Writing is an integral component of this course.
SUNY GEN ED-GHUM; NCC GEN ED-GLNW, HUM, LIT
Offered: Spring
Credit Hours: 3
Department: English

ENG 228 - Asian American Literature
Prerequisites: ENG 102 or ENG 109.
Description: This course surveys the development of the literary by writers of Asian ancestry living in the United States, from the early 1900s to the present. It examines the historical, social and cultural contexts that produced these writings, and the backgrounds for the varied ethnic groups, including Chinese American, Japanese American, Filipino American, Korean American, Vietnamese American, Indian and Pakistani American. Authors include Carlos Bulosan, John Okada, Maxine Hong Kingston, Bharati Mukherjee, Amy Tan. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-PLDI, HUM, LIT
Offered: Fall
Credit Hours: 3
Department: English

ENG 229 - Native American Literature
Prerequisites: ENG 102 or ENG 109.
Description: This course examines narrative styles and themes in Native American literature, and focuses on its embodiment of traditional American Indian concepts of time, space, history, spirit, body, and community. How Native American literature adapts oral literature and its traditions to the requirements of written literature is central to the course.
It also studies myth, pastiche, and humor as literary modes employed to challenge stereotypical depictions of "the Indian" in dominant Western culture. Authors include: N. Scott Momaday, Leslie Marmon Silko, Louise Erdrich, Greg Sarris, Sherman Alexie, James Welch and Paula Gunn Allen. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT, PLDI
Offered: Spring
Credit Hours: 3
Department: English

ENG 231 - Mystery and Detective Fiction
Prerequisites: ENG 102 or ENG 109.
Description: Several types of popular fiction, for example, the gothic mystery, the classic puzzle, hard boiled and pulp fiction are examined with regard to their origin and development. Writers such as Poe, Doyle, Sayers, Christie, Hammett, Chandler, and Stout are among the writers considered. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: English

ENG 233 - Studies in Science Fiction
Prerequisites: ENG 102 or ENG 109.
Description: This course examines the genre from its beginnings to the present. Fantasy and futuristic representations of social, political, technological, and environmental issues are considered. Authors such as Wells, Verne, Orwell, Huxley, Vonnegut, Bradbury, Clarke, Heinlein, Asimov, and LeGuin are studied. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: English

ENG 236 - The Literature of the Bible
Prerequisites: ENG 102 or ENG 109
Description: This course is a study of the Bible in English translation: its forms, themes, art, and unity; its literary and historical meaning; and its influence on English and American literature. Examined as a literary text, the Bible is read in light of its contribution to our culture. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT, WESH
Offered: Spring
Credit Hours: 3
Department: English

ENG 243 - Gay and Lesbian Literature
Prerequisites: ENG 102 or ENG 109.
Description: Through the study of selected literary works, the course will provide a background in gay identity theory and examine 20th-century classification of people into the categories of “gay” or “straight.” Selections from classical Greece to present day literature, with emphasis on their historical context, will present issues about the definition, experience, and acceptance of lesbian and gay people. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT, PLDI
Offered: Fall, Spring
Credit Hours: 3
Department: English

ENG 247 - Women in Literature
Prerequisites: ENG 102 or ENG 109.
Description: This course examines the image of women in literature across centuries and cultures. Different literary genres and critical approaches address stereotypical and mythical portrayals. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT, PLDI
Offered: Fall
Credit Hours: 3
Department: English

ENG 248 - Women Writers
Prerequisites: ENG 102 or ENG 109.
Description: Students explore the variety of literature written by women from various cultures. The course analyzes the point of view and the changing status of the woman writer in contemporary times. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT, PLDI
Offered: Spring
Credit Hours: 3
Department: English

ENG 251 - Film and Literature
Prerequisites: ENG 102 or ENG 109.
Description: This course compares different techniques and effects of literature and film. Students explore genre, form, structure, symbolism, myth, and convention in both
media. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: English

ENG 261 - Literature of the Holocaust
Prerequisites: ENG 102 or ENG 109.
Description: This course introduces students to the response of creative writers to the Nazi plan to destroy European Jewry between 1933 and 1945. Students read an international spectrum of writers and are introduced to the diversity of literary styles writers use to examine and convey the consequences of genocide. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT, PLDI
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: English

ENG 263 - The Modern American Short Story
Prerequisites: ENG 102 or ENG 109.
Description: This course is a study of the American short story as it developed in the 19th century through the present. Stories reflect a wide variety of issues from those following the Civil War to those of contemporary life. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: English

ENG 265 - Modern American Poetry
Prerequisites: ENG 102 or ENG 109.
Description: This course studies the diversity of American poetry from the 19th century to contemporary times. Analysis of the texts, with reference to contemporary trends and ideas, is emphasized. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: English

ENG 267 - Satire
Prerequisites: ENG 102 or ENG 109.
Description: This course examines how satire is used to comment on human behavior and critique society. Selections from Aesop, Juvenal, Horace, Swift, and Twain, as well as from contemporary media are studied. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT
Offered: Fall
Credit Hours: 3
Department: English

ENG 271 - Psychoanalytic Approaches to Literature
Prerequisites: ENG 102 or ENG 109.
Description: Students read and analyze the impact of psychoanalytical theory on works of literature, focusing on issues such as human consciousness and behavior. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT
Offered: Fall, Spring
Credit Hours: 3
Department: English

ENG 281 - Nature in Literature
Prerequisites: ENG 102 or ENG 109.
Description: This course examines literature that considers the relationship between human beings and the natural world. It includes works that focus on conservation and ecology. It also explores how science relates to literary art. Representative selections include the Bible, medieval poetry and plays, pastoral poetry, plays by Shakespeare, and such writers as Gilbert White, Mary Shelley, Ralph Waldo Emerson, Charles Darwin, Henry David Thoreau, Thomas Hardy, Isak Dinesen, Farley Mowat, Edward Abbey, Annie Dillard, Barry Lopez, Leslie Mamon Silko, and Linda Hogan. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT
Offered: Spring
Credit Hours: 3
Department: English

ENG 298 - Comedy: Theory and Development
Prerequisites: ENG 102 or ENG 109.
Description: This course examines comedic genres such as farce and parody and emphasizes their historical development in works from various cultures. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT
Offered: Spring
Credit Hours: 3
Department: English

ENG 300 - Shakespeare on Stage and Page
Prerequisites: ENG 102 or ENG 109.
Description: (Dual listed with THR 300) This interdisciplinary course, team-taught by members of the English and Theatre Departments, offers a performance-oriented view of Shakespeare's plays. Students see films and videotapes as well as perform segments of the plays in class. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT, WESH
Offered: Fall
Credit Hours: 3
Department: English

ENG 301 - Shakespeare's Comedies and Histories
Prerequisites: ENG 102 or ENG 109.
Description: This survey course teaches how to read Shakespeare's comedy and history plays by exploring character, theme, imagery, and poetic technique in plays such as A Midsummer Night's Dream, Twelfth Night, The Tempest, Richard II, Henry IV, and Richard III. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT, WESH
Offered: Fall
Credit Hours: 3
Department: English

ENG 302 - Shakespeare's Tragedies
Prerequisites: ENG 102 or ENG 109.
Description: This survey course teaches how to read Shakespeare's tragedies by exploring the concept of the tragic hero, imagery, and poetic technique in plays such as Macbeth, King Lear, Romeo and Juliet, Julius Caesar, Othello, and Hamlet. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT, WESH
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: English

ENG 305 - Modern American Novel
Prerequisites: ENG 102 or ENG 109.
Description: Selected modern and contemporary authors such as Gilman, Dreiser, Fitzgerald, Hemingway, Wright, Ellison, Morrison, Bellow, Malamud, Mailer, Angelou, and Desai are studied in relation to the historical and intellectual background of their times. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT, WESH
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: English

Nassau Community College: http://collegecatalog.ncc.edu/current
**Credit Hours:** 3  
**Department:** English

**ENG 309 - Modern British and American Drama**  
**Prerequisites:** ENG 102 or ENG 109.  
**Description:** This survey of British and American drama from the 20th century to the present encompasses a variety of aesthetic, political, and philosophical interests: social Darwinism, Freudian psychology, existentialism, the theatre of the absurd, minimalism, feminism, and the perspectives of Civil Rights' Movements. Representative playwrights might include Eugene O’Neill, Langston Hughes, Samuel Becket, Harol Pinter, Tom Stoppard, Luis Valdez, Adrienne Kennedy, and August Wilson.  
SUNY GEN ED-GHUM; NCC GEN ED-HUM  
Offered: Fall  
**Credit Hours:** 3  
**Department:** English

**ENG 311 - Masterworks of Literature I**  
**Prerequisites:** ENG 102 or ENG 109, and by invitation only.  
**Description:** Students read selected masterpieces of world literature, such as the *Iliad* and *Odyssey*, the Bible, the *Ramayana*, *Divine Comedy*, the *Canterbury Tales*, the *Tale of Genji* and Shakespeare's plays. Writing is an integral component of the course.  
SUNY GEN ED-GHUM; NCC GEN ED-LIT-HUM  
Offered: Fall  
**Credit Hours:** 3  
**Department:** English

**ENG 312 - Masterworks of Literature II**  
**Prerequisites:** ENG 102 or ENG 109, and by invitation only.  
**Description:** Students read selected masterpieces of world literature from the Renaissance through modern times, such as *Paradise Lost*, *The Dream of the Red Chamber*, *Madame Bovary*, *Crime and Punishment*, *A Hundred Years of Solitude*, *The Stranger*, and *Things Fall Apart*. Writing is an integral component of the course.  
SUNY GEN ED-GHUM; NCC GEN ED-LIT-HUM  
Offered: Fall  
**Credit Hours:** 3  
**Department:** English

**ENG 313 - Creative Writing**  
**Prerequisites:** ENG 102 or ENG 109  
**Description:** This course, conducted as a workshop, is for students interested in exploring their writing style through practice in writing within the three basic imaginative genres: fiction, poetry, and drama. Classes will focus on critiques of student work and on assigned readings in these genres and their conventions as models.  
SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM  
Offered: Fall, Spring, Summer  
**Credit Hours:** 3  
**Department:** English

**ENG 314 - Studies in Children's Literature**  
**Prerequisites:** ENG 102 or ENG 109.  
**Description:** This course is a study of children's literature as it responds to children's aesthetic as well as developmental needs. A variety of prose and poetic genres are examined, including fables, fairy tales, fantasy, and others. Writing is an integral component of the course.  
SUNY GEN ED-GHUM; NCC GEN ED-HUM-LIT  
Offered: Fall, Spring, Summer  
**Credit Hours:** 3  
**Department:** English

**ENG 316 - Play and Screen Writing**  
**Prerequisites:** ENG 102 or ENG 109 and permission of instructor or Department Chair.  
**Description:** This course, conducted as a workshop, teaches students to write character-driven scripts for the stage and more visual scripts for the screen. In addition to students' works in progress, dramatic texts from classic and contemporary playwrights and screen writers are analyzed and discussed, and films are viewed in class. Students are expected to participate in a project, such as a literary magazine, dramatic reading, newsletter, radio show, or filmmaking. Alternates with ENG 317 and ENG 318.  
SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM  
Offered: Spring  
**Credit Hours:** 3  
**Department:** English

**ENG 317 - Fiction Writing**  
**Prerequisites:** ENG 102 or ENG 109 and permission of instructor or Department Chair.  
**Description:** This course, conducted as a workshop, enables developing fiction writers to discover their unique voices as storytellers and to use them to full effect. Written exercises and analyses of published fiction are used to explore narrative techniques such as characterization, scene construction, and point of view. Students are expected to participate in a project, such as a literary magazine, dramatic reading, newsletter, or radio show. Alternates with ENG 316 and ENG 318.  
SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM  
Offered: Fall  
**Credit Hours:** 3  
**Department:** English

**ENG 318 - Poetry Writing**  
**Prerequisites:** ENG 102 or ENG 109 and permission of instructor or Department Chair.  
**Description:** This course, conducted as a workshop, teaches students to give poetic shape to their writing through discussions of imagery, open and closed forms, tone, meter, rhyme, and voice. The students' works in progress and examples of published poems are analyzed to illustrate the facets of the craft. Students are expected to participate in a project, such as a literary magazine, poetry reading/performance, or radio show. Alternates with ENG 316 and ENG 317.  
SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM  
Offered: Spring  
**Credit Hours:** 3  
**Department:** English

**ENG 490 - Cooperative Education Internship**  
**Prerequisites:** One of the following: ENG 111, ENG 200, ENG 215, ENG 216, or ENG 313 and permission of the Department Chair.  
**Description:** By matching internships with pertinent class work in English, students will study the connection between the practical experience in the workplace with the theoretical concepts explored in the appropriate classroom setting. Occupational titles for which internships are appropriate may include Fact Finder, Copy Editor, Reporter, Photo Caption Editor, Columnist, Production Manager, and Report Writer.  
SUNY GEN ED-n/a; NCC GEN ED-HUM  
**Credit Hours:** 4  
**Department:** English

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**Engineering Science**

**ENS**

**ENS 101 - Graphics**  
**Description:** Graphical techniques of design utilizing instrument drawing and free hand sketching are introduced. Principles of projection, isometrics, sections, auxiliary views, as well as floor plans and elevations are used as examples.
ENS 103 - Elementary Engineering I  
**Description**: An introductory course in the art of engineering designed to acclimate the students to the engineering profession and to acquaint them with the techniques and methodology of engineering design. The "design" aspect of the course consists of an introduction to computer programming (as it applies to the engineering profession), graphical techniques, and design oriented problems. The objectives of the design section entail the generation of engineering related problems. (3 laboratory hours) Laboratory fee applies. 
SUNY GEN ED-n/a; NCC GEN ED-n/a 
Offered: Fall, Spring  
**Credit Hours**: 1  
**Department**: Engineering/Physics/Tech  

ENS 104 - Computational Methods in Engineering  
**Prerequisites**: MAT 122, PHY 122 or permission of instructor.  
**Corequisites**: PHY 122 This is a second-semester course in computational methods. This course is intended for students in engineering and applied science. Emphasis is placed on solving engineering related problems through the use of current industry accepted high level programming languages. Analytical as well as approximate solutions are stressed in this course. Students are expected to spend additional time outside of the classroom to complete class assignments and projects. (1 lecture, 3 laboratory hours) Laboratory fee applies. 
SUNY GEN ED-n/a; NCC GEN ED-n/a  
Offered: Fall, Spring  
**Credit Hours**: 2  
**Department**: Engineering/Physics/Tech  

ENS 105 - Introduction to CAD  
**Description**: An introduction to computer-aided drafting (CAD) designed to acquaint the student with the fundamental nature of computer-aided design and basic operational commands. Students will learn how to use a current version of AutoCAD to prepare two-dimensional drawings for architecture, interior design, engineering and construction management. (1 lecture, 3 laboratory hours) SUNY GEN ED-n/a; NCC GEN ED-n/a  
Offered: Fall, Spring, Summer  
**Credit Hours**: 2  
**Department**: Engineering/Physics/Tech  

ENS 205 - Statics  
**Prerequisites**: MAT 122, PHY 122.  
**Description**: Introduction to applied vector algebra, force systems, equilibrium. Analysis of structures and machines. Friction, centroids, and moment of inertia. SUNY GEN ED-n/a; NCC GEN ED-n/a  
Offered: Spring, Summer  
**Credit Hours**: 3  
**Department**: Engineering/Physics/Tech  

ENS 206 - Dynamics  
**Prerequisites**: ENS 205, PHY 122.  
**Description**: Kinematics of a particle, relative velocities and acceleration, moving coordinate systems, dynamics of a particle, dynamics for systems of particles, kinematics and kinetics of rigid bodies. Euler's Equations, work-energy and impulse-momentum techniques, and introduction to vibrations. SUNY GEN ED-n/a; NCC GEN ED-n/a  
Offered: Fall, Summer  
**Credit Hours**: 3  
**Department**: Engineering/Physics/Tech  

ENS 207 - Mechanics of Materials  
**Prerequisites**: ENS 205.  
**Description**: Introduction to mechanics of materials stress and strain, stress-strain-temperature relations, torsion, bending, deflection, stability, buckling. Computer methods in structural analysis. SUNY GEN ED-n/a; NCC GEN ED-n/a  
Offered: Spring  
**Credit Hours**: 3  
**Department**: Engineering/Physics/Tech  

ENS 225 - Engineering Circuit Analysis I  
**Prerequisites**: MAT 123.  
**Description**: Introduction to circuit analysis consisting of free and forced response of simple networks and various methods of analysis, frequency variation and resonance, complex frequency variable, two-part networks, transformers, computer solutions (analog and digital), Fourier series, Laplace transform and transform networks. (3 lecture, 3 laboratory hours) Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a  
Offered: Fall  
**Credit Hours**: 4  
**Department**: Engineering/Physics/Tech  

ENS 226 - Engineering Circuit Analysis II  
**Prerequisites**: ENS 225.  
**Description**: A continuation of ENS 225. Topics include complex frequency response; parallel, series, and other resonance forms; magnetically coupled circuits; one and two-part networks; and Fourier analysis. The transient response of the RLC circuit to the step input will be covered by classical means. Laplace transforms will be introduced and applied toward the transfer functions H(s) and the complete response. The laboratory will include AC models of active circuit elements. (3 lecture, 3 laboratory hours) Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a  
Offered: Spring  
**Credit Hours**: 4  
**Department**: Engineering/Physics/Tech  

ENS 230 - Engineering Thermodynamics  
**Prerequisites**: MAT 123 and PHY 123.  
**Description**: A first course in engineering thermodynamics, introducing fundamental thermodynamic variables, properties of pure substances and energy relationships. Analysis of open and closed systems based on the classical laws of thermodynamics; concepts of reversibility and entropy; power cycles and engines. A term project requiring the detailed analysis of power cycles will be assigned to each student. Knowledge of at least one high level programming language or simulation software is highly desirable. SUNY GEN ED-n/a; NCC GEN ED-n/a  
Offered: Spring  
**Credit Hours**: 3  
**Department**: Engineering/Physics/Tech  

ENS 301 - Computer Aided Drafting  
**Description**: The student will develop mastery of producing general engineering-related drawings using AutoCAD drafting package and solid modeling using AutoShade color rendering package on a personal computer. The student will learn to apply AutoCAD commands to produce two dimensional drawings. Advanced AutoCAD techniques will be explored and used to produce three dimensional drawings. Students will learn to apply shading and coloring techniques using AutoShade in their drawings. (3 laboratory hours) SUNY GEN ED-n/a; NCC GEN ED-n/a  
Offered: Fall, Spring  
**Credit Hours**: 1  
**Department**: Engineering/Physics/Tech
FBM

FBM 110 - Fashion Advertising and Promotion
Description: This course introduces the various principles and methods of advertising and promotion used by producers, manufacturers, designers, and retailers in the fashion industry. Students will analyze how marketing objectives and strategies influence advertising and other forms of promotion. Students will prepare an advertising campaign while utilizing their acquired skills.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3
Department: Marketing & Retailing

FBM 120 - Introduction to the Fashion Industry
Description: This course provides an introduction to all aspects of the fashion industry: its history and current designer trends; textile and apparel production-how products are created, priced and promoted to the trade and the consumer; retail concepts; and the impact of globalization on the industry.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Summer
Credit Hours: 3
Department: Marketing & Retailing

FBM 121 - Introduction to Menswear
Description: A course introducing students to the specialized marketing practices used by domestic and foreign menswear manufacturers and distributors. Students analyze the development of lines of menswear merchandise, from design to consumer purchase. Included is an in-depth study of design, production, sales, merchandising, and promotion techniques.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3
Department: Marketing & Retailing

FBM 125 - Introduction to Import Buying
Description: Introduction to Import Buying provides students with an opportunity to learn about the rationale, problems, and opportunities of importing merchandise from various markets throughout the world. Included in the course of study will be the necessary preparatory practices, relevant import/export terminology, and governmental legislation and regulations.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3
Department: Marketing & Retailing

FBM 130 - Fashion and Home Accessories
Description: Construction, quality and product features of leather, shoes, gloves, furs, jewelry, dinnerware, glassware, silverware and cosmetics are studied. The care, selection, promotion, and sales of these non-textiles are evaluated according to government regulations.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3
Department: Marketing & Retailing

FBM 140 - Introduction to Interior Design
Description: A survey course exploring the various periods of furniture design with emphasis on complete room planning. Decorative arts studied include color and design, fabrics, window treatments, accessories, arrangements and harmony. Career opportunities in the home fashion field are emphasized.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3
Department: Marketing & Retailing

FBM 142 - Fashion Buying and Merchandising Field Training
Prerequisites: Permission of Department Chairperson.
Description: Students intern with fashion buying and merchandising firms to enrich the theoretical concepts previously learned in the classroom.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Summer
Credit Hours: 3
Department: Marketing & Retailing

FBM 150 - Fashion Coordination and Publicity
Description: The course presents the coordination of the merchandising of fashion through coordination and publicity. The activities of the fashion office are examined to show influences of wholesale and retail markets on the selling and promotion of fashion.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3
Department: Marketing & Retailing

FBM 160 - Seminar in Contemporary Fashion Buying and Merchandising
Description: Merchandise students visit the market and attend seminars with representatives from the Fashion and Merchandising field. Students apply basic principles to the solutions of typical problems in Fashion and Retailing. Additionally, the dynamic skills of human resource management are developed.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3
Department: Marketing & Retailing

Finance

FIN

FIN 110 - Personal Finance
Description: (Dual listed with ECO 110) Personal Finance prepares students to manage their current and future financial affairs. Topics to be covered include: financial planning, saving and credit, insurance, government transfers, home buying, stocks, bonds, mutual funds, and estate planning. This is a practical and sophisticated course intended to help students with their personal finances.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 3
Department: Economics and Finance

FIN 111 - Introduction to Finance
Description: This course offers an introduction to financial decision making and the basic structure of institutions in contemporary financial markets. Topics include time value of money, risk and return, investment types, the role of government regulation, the influence of globalization in contemporary financial markets and evaluation of financial performance and return. The role of ethics in financial decision making and institutional policy will be discussed. Internet and data base research will be used to support the course curriculum and help the student develop the necessary skills to analyze realistic scenarios used in financial markets.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Economics and Finance

FIN 112 - Introduction to Investments
Description: (Dual listed with ECO 112) An introduction to financial investments and portfolio management. Course topics include: financial markets and instruments, reading financial listings, stock trading and index, risk analysis, present and future value, stock valuation and investment decisions, portfolio management, individual and portfolio yields, and uses of derivatives, sources of investment information, mutual funds, international diversification, the macroeconomy and the impact of economic variables on investments.
Economics and Finance

FIN 213 - Money and Banking
Prerequisites: ECO 207 or permission of instructor.
Description: (Dual listed with ECO 213) Basic concepts of money and financial intermediaries. Development of commercial banks and the creation of demand deposits. Yield, risk, and interest rates will be analyzed from a monetary and fiscal perspective. Functions and policies of the Federal Reserve in credit regulation and economic stabilization will be analyzed. Monetary Theory, Keynesian vs. Monetarists, international finance, exchange rates and the balance of payments will be examined.
SUNY GEN ED-n/a; NCC GEN ED-SBS
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Economics and Finance

FIN 490 - Cooperative Education
Prerequisites: ECO 207 and one other ECO or FIN course and permission of the instructor.
Description: Supervised, practical experience at institutions such as commercial banks, thrift institutions, stock and bond brokerage houses, government agencies and firms employing economic practitioners that will provide students with situations in which they can apply concepts learned in previous Economics and Finance courses. Written reports demonstrating understanding of theory and its application will be an integral aspect of this course. Field experience and future career opportunities will be discussed in co-lateral, on-campus class. Prerequisite for this course is the completion of Economics 207 plus one other economics or finance course and permission of instructor. Students must have, as a minimum, a 2.50 GPA to be enrolled in this internship course.
SUNY GEN ED-n/a; NCC GEN ED-SBS
Credit Hours: 4
Department: Economics and Finance

French

FRE

FRE 101 - Beginning French I
Prerequisites: Satisfactory completion of ENG 001 and RDG 002.
Description: Fundamentals of grammar, pronunciation, culture and conversation. Reading, writing, listening comprehension, and simple conversational patterns. Laboratory fee applies. Laboratory component required.
SUNY GEN ED-GFOL; NCC GEN ED-HUM, WESH
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Foreign Languages

FRE 201 - Intermediate French I
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. FRE 101 or equivalent.
Description: First course of intermediate level. Development of listening, speaking, reading and writing skills. Conversation and writing practice simulated through a wide variety of cultural materials. Laboratory fee applies. Laboratory component required.
SUNY GEN ED-GFOL; NCC GEN ED-HUM, WESH
Offered: Fall
Credit Hours: 3
Department: Foreign Languages

FRE 202 - Intermediate French II
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. FRE 201 or equivalent.
Description: Second course of intermediate level. Development of listening, speaking, reading and writing skills. Conversation and writing practice simulated through a wide variety of cultural materials. Laboratory fee applies. Laboratory component required.
SUNY GEN ED-GFOL; NCC GEN ED-HUM, WESH
Offered: Spring
Credit Hours: 3
Department: Foreign Languages

FRE 225 - French for Business
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. FRE 102 or permission of the instructor.
Description: Using print, video, and electronic media, this course offers students a practical knowledge of French business terminology and procedures. It will introduce students to such topics (in French) as commercial letter writing, telephone etiquette, filling

Nassau Community College: http://collegecatalog.ncc.edu/current
COURSE DESCRIPTIONS

Fire Science

FRS

FRS 101 - Introduction to Fire Science
Prerequisites: Completion of RDG 001 and ENG 001.
Description: This course is an introduction to the history and philosophy of the fire service. It reviews the career options that are available and examines the tactical and fire suppression responsibilities of the fire service.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Criminal Justice

FRS 203 - Hazardous Materials in the Fire Service
Prerequisites: Completion of RDG 001 and ENG 001.
Description: A study of Hazardous Materials, this course provides an overview of the laws, regulations, and standards associated with the Hazardous Materials incident response. This course emphasizes the need for: Hazardous Materials recognition and identification, information resource technology, protective actions to be taken, product control and air monitoring, terrorism awareness, and Hazardous Materials law enforcement activities.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Criminal Justice

Credit Hours: 3
Department: Criminal Justice

Fashion Design

FSD

FSD 101 - Draping and Design I
Prerequisites: FSD 120 and permission of instructor through portfolio review acceptance.
Corequisites: FSD 120 and permission of instructor through portfolio review acceptance.
Description: Students learn fundamentals of draping in muslin on a dress form. Basic silhouettes as well as original designs are executed. Original sample garment is constructed. Material cost and laboratory fees apply.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 4
Department: Marketing & Retailing

FSD 102 - Draping and Design II
Prerequisites: FSD 101; 120.
Description: Students learn to drape intricate garments. Projects include draping the cowl, bifurcated garments, notch and shawl collar jackets and skirt variations. An original design is executed from a sketch and a sample garment is constructed. Material cost and laboratory fees apply.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 4
Department: Marketing & Retailing

FSD 103 - Draping and Design III
Prerequisites: FSD 101, FSD 102 and FSD 120.
Description: Continuation of more advanced draping projects includes draping in a variety of fabrics. Original designs for knitwear, tailored jacket, boutique and term garment are draped and constructed in fabric. Material cost and laboratory fees apply.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 4
Department: Marketing & Retailing

FSD 104 - Design Studio
Prerequisites: FSD 101, FSD 102, FSD103, FSD120
Description: An original collection of garments, in an area of specialization, is designed, draped and/or drafted and constructed in fabric. Material cost and laboratory fees apply.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 4
Department: Marketing & Retailing

FSD 110 - Flat Pattern Design I
Prerequisites: FSD 120
Description: Students develop the fundamentals of pattern-making using basic slopers. The bodice, skirt, sleeve and collar variations are executed to learn the variety of design options possible through flat pattern technique. Material cost and laboratory fees apply.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Marketing & Retailing

FSD 111 - Flat Pattern Design II
Prerequisites: FSD 110, FSD 120.
Description: Further studies in advanced patternmaking projects include tailored jackets, raglan and kimono sleeves, stylized armholes, bifurcated garments and torso development. Design variations on these projects are stressed. Material cost and laboratory fees apply.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Marketing & Retailing

FSD 120 - Garment Construction
Description: Students learn the fundamentals of design room sewing techniques utilizing step samples to execute seam and hem finishes, bias and zipper applications, and construction details used in industry. Sample garments are developed through the use of a basic pattern. Material cost and laboratory fees apply.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Marketing & Retailing

FSD 121 - Fashion History
Description: Students explore fashion history, from ancient Egypt to the present. An analysis of past trends and their influence on today's fashions is developed through class discussion, combined with multi-media presentations.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Marketing & Retailing

FSD 122 - Fashion Design Business Practices
Prerequisites: Permission of the instructor.
Description: Technical knowledge of the design process is explored through visits to design studios where students meet with industry professionals. Students learn how to design for a target market, how to research fashion trends and source fabric and trims and learn garment production. Students learn how to prepare for an entry level position in the fashion industry.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Marketing & Retailing

FSD 142 - Field Training
Prerequisites: FSD 101, FSD 102, FSD 103, FSD 104, FSD 110, FSD 111, FSD 120, ART 135, ART 136, and ART 235 or permission of instructor.
Description: Students work for appropriate fashion design firms, in a design room to enrich the theoretical concepts previously developed in the classroom.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Marketing & Retailing

Geography

GEO

GEO 101 - Introduction to Geography
Prerequisites: Completion of RDG 001 and/or RDG 002.
Description: This course is an introduction to the basic concepts and techniques of geography. Global patterns of and interactions among climate, landforms, environmental alteration, economic, demographic and cultural phenomena are stressed.
SUNY GEN ED-GSBS; NCC GEN ED-SBS, GLNW
Offered: Summer
Credit Hours: 3
Department: History/Pol Sci/Geography

GEO 103 - Human Geography
Prerequisites: Completion of RDG 001 and/or RDG 002.
Description: A survey of the global patterns and significance of human distributions. Demography and foodways, language and religion are the bases for identifying distinct regional cultures. Stress is placed on problems related to crowding, ethnicity, and alteration of the environment.
SUNY GEN ED-GSBS; NCC GEN ED-SBS, GLNW
Credit Hours: 3
Department: History/Pol Sci/Geography

GEO 201 - Geography of Europe
Prerequisites: Completion of RDG 001 and/or RDG 002.
Description: An examination of the physical and cultural landscapes of Europe, their causes and consequences. Attention is focused on the political, social, and economic developments over time that have created regional divisions from Iceland to the Russian border. The meaning of Europe's ethnicity and boundaries is stressed.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Credit Hours: 3
Department: History/Pol Sci/Geography

GEO 202 - Geography of Long Island
Description: Geography of Long Island explores the land and people from Brooklyn to Montauk. It examines the physical, economic, and human geography of the area with a focus on the environmental and cultural influences that have shaped the Island's landscapes, spatial interactions, and prospects.
SUNY GEN ED-n/a; NCC GEN ED-SBS
Credit Hours: 3
Department: History/Pol Sci/Geography

German

GER

GER 101 - Beginning German I
Prerequisites: Satisfactory completion of ENG 001 and RDG 002.
Description: Fundamentals of grammar, pronunciation, culture and conversation. Reading, writing, listening comprehension, and simple conversational patterns. This course is not intended for students of German speaking background. Laboratory fee applies. Laboratory component required.
SUNY GEN ED-GFOL; NCC GEN ED-HUM, WESH
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Foreign Languages

GER 102 - Beginning German II
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. GER 101 or equivalent.
COURSE DESCRIPTIONS

**GER 201 - Intermediate German I**
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. GER 102 or equivalent.
Description: This is the first course in the GER 201 - GER 202 sequence. Development of listening, speaking, reading and writing skills. Conversation and writing practice stimulated through a wide variety of cultural materials. Laboratory fee applies. Laboratory component required.
SUNY GEN ED-GFOL; NCC GEN ED-HUM, WESH
Offered: Spring
Credit Hours: 3
Department: Foreign Languages

**GER 202 - Intermediate German II**
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. GER 201 or equivalent.
Description: This is the second course in the GER 201 - GER 202 sequence. Development of listening, speaking, reading and writing skills. Conversation and writing practice stimulated through a wide variety of cultural materials. Laboratory fee applies. Laboratory component required.
SUNY GEN ED-GFOL; NCC GEN ED-HUM, WESH
Offered: Fall
Credit Hours: 3
Department: Foreign Languages

**GER 301 - Advanced German I**
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. GER 202 or equivalent.
Description: This is the first course in the GER 301 - GER 302 sequence. More complex grammar, enrichment of vocabulary and improvement of proficiency in speaking, reading, writing and translation, combining traditional methodology with a multimedia approach to literature and/or civilization. Class conducted in German. Laboratory fee applies. Laboratory component required.
SUNY GEN ED-n/a; NCC GEN ED-HUM, WESH
Offered: Fall
Credit Hours: 3
Department: Foreign Languages

**GER 302 - Advanced German II**
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. GER 202 or equivalent.
Description: This is the second course in the GER 301 - GER 302 sequence. More complex grammar, enrichment of vocabulary and improvement of proficiency in speaking, reading, writing and translation, combining traditional methodology with a multimedia approach to literature and/or civilization. Class conducted in German. Laboratory fee applies. Laboratory component required.
SUNY GEN ED-n/a; NCC GEN ED-HUM, WESH
Offered: Spring
Credit Hours: 3
Department: Foreign Languages

**GSD 130 - Green Building Materials**
Prerequisites: GSS 128
Corequisites: GSS 128
Description: This course will introduce students to the design, application, recycling and cost analysis of various green building materials in residential and commercial buildings and their ability to increase the energy efficiency in buildings. The selection and installation of various construction materials to include the insulation, foundations, concrete slabs on grade, the building envelope, roof, windows and doors, finished floor materials, low volatile organic compound wall finishes, and FSC wood will be discussed including harvesting and transporting.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Engineering/Physics/Tech

**GSD 132 - Green Projects Case Studies**
Prerequisites: GSS 128
Corequisites: GSS 128
Description: This course will allow students to research and analyze various green building projects on Long Island and New York City to learn different methods used to achieve sustainable design through the use of green building practices. Building projects will be evaluated in terms of site selection, orientation, water and energy efficiency, renewable energy storage, on-site power generation, indoor air quality and the efficient use of building materials. Students will be required to visit one project site discussed, during the semester.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Engineering/Physics/Tech

**GSD 200 - Wind Turbines / Solar Panels Applications**
Prerequisites: GSS 126 and GSS 128
Description: Students will be introduced to the methodology by which different wind turbines function and produce electricity including power generation, wind speed, turbine size, efficiency of turbine aerodynamics, power storage potential, and payback. Comparison of different locations for wind turbine installation and structural design and construction will be discussed. Students will be introduced to the concept by which various types of solar panels (photovoltaic panels) installations produce electricity including direct and alternating current. Site selection and evaluation for installation of the solar panels on residential homes and buildings including correct sizing for building consumption, power storage potential, code compliance and government incentives will be discussed.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Engineering/Physics/Tech

**GSD 202 - Water Recycle/Wastewater Treatment**
Prerequisites: GSS 128
Description: This course will introduce students to the principles of design, application, and the cost analysis of water recycling and reuse methods and on-site wastewater treatment for building construction including the layout and design of building piping. Methods of water retention, filtration and reuse of rainwater through erosion control measures and green roofs, greywater, black water, infiltration systems, various plumbing fixtures, and direct and indirect strategies for on-site wastewater treatment including living machines and constructed wetlands will be discussed.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Engineering/Physics/Tech

**GSD 204 - Energy Codes and Energy Analysis**
Prerequisites: GSS 128
Description: This course will introduce students to the techniques used to make residential and commercial buildings more energy efficient including energy analysis.
COURSE DESCRIPTIONS


SUNY GEN ED-NA; NCC GEN ED-N/A
Offered: Fall, Spring
Credit Hours: 4
Department: Engineering/Physics/Tech

GSD 206 - HVAC \ Air Quality
Prerequisites: GSS 128
Description: This course will introduce students to the various factors in building design and construction that affect the indoor air quality including the comparison of various passive and mechanical ventilation systems. Compliance with ASHRAE standard 189.1, Standard for the Design of High Performance Green Buildings, MERV ratings, use of low and zero volatile organic compounds and construction air quality control plans will be discussed.

SUNY GEN ED-NA; NCC GEN ED-N/A
Offered: Fall, Spring
Credit Hours: 3
Department: Engineering/Physics/Tech

General Science Studies

GSS

GSS 103 - Science of Physics I
Prerequisites: A high school course in elementary Algebra.
Description: An introductory course designed for students with a primary interest in the humanities or physical education. The course goal is to achieve a conceptual understanding of the ideas of physics. The historical and philosophical background as well as the content of physics is studied. Laboratory exercises are designed to illustrate principles of scientific experimentation while deepening the understanding of physical ideas. Laboratory exercise applies.

SUNY GEN ED-NA; NCC GEN ED-LSCI
Offered: Fall, Spring
Credit Hours: 4
Department: Engineering/Physics/Tech

GSS 104 - Science of Physics II
Prerequisites: A high school course in elementary Algebra. Note: GSS 103 is recommended, but not required for GSS 104.
Description: A conceptual course in physics dealing with waves, electricity and magnetism. 20th-century physics, the historical and philosophical background as well as the content of physics, will be discussed. Laboratory exercises are designed to illustrate principles of scientific experimentation while deepening the understanding of physical ideas. Laboratory exercise applies.

SUNY GEN ED-NA; NCC GEN ED-LSCI
Offered: Fall, Spring
Credit Hours: 4
Department: Engineering/Physics/Tech

GSS 106 - Science of Sound and Music
Description: Fundamentals of mechanics, sound and acoustics, energy, electricity and magnetism with applications to music, musical instruments, sound systems and electronic music. The course material is developed descriptively and demonstrated experimentally. Laboratory exercise applies.

SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Offered: Fall, Spring, Summer
Credit Hours: 4
Department: Engineering/Physics/Tech

GSS 108 - The Science of Light and Color
Description: This introductory course will focus on the nature of light and color. It will include not only the principles of geometric and physical optics but also general properties of waves and particles; the relation between light and matter; quantum theory and photons; light, heat, temperature and energy; and the conservation of energy. These physical principles will be applied to understanding color in art, vision, photography, holography, fiber optics, and atmospheric effects. The course will include many student investigations, in recitation as well as in lab in order to emphasize the experimental nature of science. (3 lecture, 3 laboratory hours)
Laboratory exercise applies.

SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Offered: Fall, Spring
Credit Hours: 4
Department: Engineering/Physics/Tech

GSS 111 - Science of Our World I
Description: An introductory laboratory science course designed for non-technically oriented students who desire an understanding of the capabilities, characteristics and methods of our modern technological society. Contemporary problems are discussed including such topics as air and water quality, waste management technologies, population dynamics, decision-making and principles of ecology. Laboratory techniques of simulation and modeling are developed to illustrate the topics discussed in lecture. Laboratory exercise applies.

SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Offered: Fall, Spring
Credit Hours: 4
Department: Engineering/Physics/Tech

GSS 112 - Science of Our World II
Prerequisites: GSS 111 is recommended but not required.
Description: A continuation of GSS 111 which includes additional topics such as electrical energy, noise pollution, light and laser applications, nuclear power generation, heat and thermal pollution. Laboratory modeling and simulation are utilized to aid in the understanding of the technology and the underlying science principles. Laboratory exercise applies.

SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Credit Hours: 4
Department: Engineering/Physics/Tech

GSS 122 - Science of Modern Electronics
Description: The course is designed for non-technical students and will provide a conceptual understanding of science related to electronic devices. The course details science fundamentals using a non-mathematical approach, then focuses the presentation to include applications in the area of electronics (entertainment, business, communication, home electronics). Aspects of sound, light, heat, and mechanics are included with applications in today's electronic world. Laboratory work will consist of hands-on experience with actual measuring devices. (3 lecture, 3 laboratory hours)
Laboratory exercise applies.

SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Offered: Fall, Spring
Credit Hours: 4
Department: Engineering/Physics/Tech

Nassau Community College: http://collegecatalog.ncc.edu/current
HEB

HEB 101 - Beginning Hebrew I
Prerequisites: Satisfactory completion of ENG 001 and RDG 002.
Description: Fundamentals of grammar, pronunciation, culture and conversation. Reading, writing, listening comprehension, and simple conversational patterns. Laboratory fee applies. Laboratory component required.
SUNY GEN ED-GPOL; NCC GEN-HUM, GLNW
Offered: Fall, Spring
Credit Hours: 3
Department: Foreign Languages

HEB 102 - Beginning Hebrew II
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. HEB 101 or equivalent.
Description: Fundamentals of grammar, pronunciation, culture and conversation. This course is not intended for students of Hebrew speaking background. Laboratory fee applies. Laboratory component required.
SUNY GEN ED-GPOL; NCC GEN ED-HUM, GLNW
Offered: Fall, Spring
Credit Hours: 3
Department: Foreign Languages

Health, Physical Education and Recreation

HED

HED 200 - Concepts of Healthful Living and Stress Management
Description: Students receiving credit for PED 200 will not receive credit for HED 200. This comprehensive survey course explores healthy behaviors, emphasizing wellness and stress management. Taking into consideration one's entire life style through the "whole person approach," connections among the mind, body and spirit are examined using information culled from advanced research in the interdisciplinary sciences. Topics include: psychosocial stressors and their relationship to acute/chronic diseases, stress management, coping strategies, death and dying, violence and victimization, and mental health; nutrition, fitness and weight management, sexual relationships, sexually transmitted infections, contraception, pregnancy and childbirth; use/ misuse of alcohol, drugs and tobacco and other compulsivities.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Health/Physical Ed/Recreation

HED 201 - Personal and Family Health
Description: Students receiving credit for PED 201 will not receive credit for HED 201. The focus of this course is on the essential behavior necessary for a healthy lifestyle. Included is the opportunity to evaluate and improve physical as well as emotional well being in light of the most current information available in each topic. The student is presented with strategies that have proven successful in moderating individual behavior. Topics that deal with improving the physical health level include physical fitness, weight control and nutrition, while topics that explore the development of positive mental and emotional health and stress management, intimate personal relationships and human sexuality.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 2
Department: Health/Physical Ed/Recreation

HED 205 - Consumer Health Care and Protection
Description: Students receiving credit for PED 205 will not receive credit for HED 205. A course intended to keep pace with today's unprecedented consumer interests, particularly in matters of health services and products. The availability and quality of such care are explored in the following areas: the health consumer, protecting one's rights in the marketplace, the unique role of the college student as a health consumer, the patient and doctor, the national medical care crisis, kinds of health insurance, getting more for one's health dollars, the role of health agencies, health spas and clubs, diet clubs and fads, popular remedies for common ailments, and health career opportunities.
SUNY GEN ED-n/a; NCC GEN ED-HED
Offered: Fall
Credit Hours: 3
Department: Health/Physical Ed/Recreation
HED 231 - Death Education: A Health Perspective

**Description:** Students receiving credit for PED 231 will not receive credit for HED 231. The course enables students to understand and cope with death as part of the life cycle. From an interdisciplinary and historical perspective, the course explores how many different cultures treat death and dying as well as examines biomedical ethics (euthanasia, organ donation, wills and trusts). Emphasizing the psychological adjustments to loss, topics include the meaning of death, stages of dying, bereavement and grief processes and a variety of religious attitudes toward suicide, funeral rituals and death in general.

SUNY GEN ED-n/a; NCC GEN ED-PLDI

**Offered:** Fall, Spring, Summer

**Credit Hours:** 3

**Department:** Health/Physical Ed/Recreation

HED 251 - Human Sexuality

**Description:** Students receiving credit for PED 251 will not receive credit for HED 251. Taught in cross-cultural context, this interdisciplinary course examines the diversity of family life and human sexuality. Drawing from the social and biological sciences, students explore a variety of attitudes and personal beliefs. Topics include the history of human sexuality, sexual reproduction, gender related sexual health issues, gender roles/identity and sexual orientation. Sexual communication, intimacy, behaviors, coupling, victimization, dysfunctions and therapy are also addressed. Audiovisual material of a sensitive nature may be used.

SUNY GEN ED-n/a; NCC GEN ED-PLDI

**Offered:** Fall, Winterim, Spring, Summer

**Credit Hours:** 3

**Department:** Health/Physical Ed/Recreation

HED 271 - Alcoholism, Addictions and Abusive Behaviors

**Description:** Students receiving credit for PED 271 will not receive credit for HED 271. This course is designed to explore why people develop addictions and dependencies. Using alcohol use, abuse and alcoholism as primary models, students discuss addictive behavior as manifested in such areas as eating disorders, gambling, tobacco and substance use. The course analyzes the epidemiology of alcohol use in American culture and its effects on society. It also considers the intra-psychic addictive syndrome on diverse populations that reflect issues of race, ethnicity, gender and sexual orientation.

SUNY GEN ED-n/a; NCC GEN ED-PLDI

**Offered:** Fall, Spring, Summer

**Credit Hours:** 3

**Department:** Health/Physical Ed/Recreation

HED 272 - Alcoholism and Addictions: Modalities, Prevention and Treatment

**Prerequisites:** HED 271.

**Description:** Students receiving credit for PED 272 will not receive credit for HED 272. This course focuses on assessment, diagnosis, and treatment of addictive behaviors. Emphasis on special populations such as college students, adolescents, disabled and incarcerated individuals and ethnic minorities are examined. Treatment techniques and prevention strategies are explored.

SUNY GEN ED-n/a; NCC GEN ED-n/a

**Credit Hours:** 3

**Department:** Health/Physical Ed/Recreation

HED 293 - Community Health

**Description:** Students receiving credit for PED 293 will not receive credit for HED 293. A course designed to acquaint the major student in Health Education with the multiple definitions of health, principles of health maintenance, structure of the health care delivery system, basic epidemiological tools, elementary health counseling techniques, as well as a broad overview of major health problems that face the community. The course is also designed to familiarize the student with the agencies and facilities that are currently operating to solve health problems.

SUNY GEN ED-n/a; NCC GEN ED-n/a

**Offered:** Fall, Spring

**Credit Hours:** 3

**Department:** Health/Physical Ed/Recreation

HIS 101 - History of Western Civilization I

**Prerequisites:** Completion of RDG 001 and/or RDG 002.

**Description:** The second half of Western Civilization considers the historical forces and events that shaped the world in the 19th and 20th centuries. The course examines revolutions, nationalism, industrialization, imperialism, war, and the clash of Nazism, fascism, communism, and democracy. Other major components consist of the decline of colonialism, the atomic age, the Cold War, contemporary world conflicts, and prospects for the future.

SUNY GEN ED-GWEH, GSBS; NCC GEN ED-SBS, WESH

**Offered:** Fall, Winterim, Spring, Summer

**Credit Hours:** 3

**Department:** History/Pol Sci/Geography

HIS 102 - History of Western Civilization II

**Prerequisites:** Completion of RDG 001 and/or RDG 002.

**Description:** The second half of Western Civilization considers the historical forces and events that shaped the world in the 19th and 20th centuries. The course examines revolutions, nationalism, industrialization, imperialism, war, and the clash of Nazism, fascism, communism, and democracy. Other major components consist of the decline of colonialism, the atomic age, the Cold War, contemporary world conflicts, and prospects for the future.

SUNY GEN ED-GWEH, GSBS; NCC GEN ED-SBS, WESH

**Offered:** Fall, Winterim, Spring, Summer

**Credit Hours:** 3

**Department:** History/Pol Sci/Geography

HIS 103 - History of the United States I

**Prerequisites:** Completion of RDG 001 and/or RDG 002.

**Description:** The course covers the broad spectrum of American life through a survey of American social, cultural and political events. Included are such topics as the rise of colonial America; the American Revolution; the early national period of Washington, Adams, Jefferson and Hamilton; the westward movement; and the antislavery movement which climaxes with the bitter struggle of the Civil War.

SUNY GEN ED-GSBS, GAMH; NCC GEN ED-SBS, WESH

**Offered:** Fall, Winterim, Spring, Summer

**Credit Hours:** 3

**Department:** History/Pol Sci/Geography

HIS 104 - History of the United States II

**Prerequisites:** Completion of RDG 001 and/or RDG 002.

**Description:** The course covers the broad spectrum of American life through a survey of American social, cultural and political events. Included are such topics as the rise of colonial America; the American Revolution; the early national period of Washington, Adams, Jefferson and Hamilton; the westward movement; and the antislavery movement which climaxes with the bitter struggle of the Civil War.

SUNY GEN ED-GSBS, GAMH; NCC GEN ED-SBS, WESH

**Offered:** Fall, Winterim, Spring, Summer

**Credit Hours:** 3

**Department:** History/Pol Sci/Geography

HIS 105 - The World, 1945-Present

**Prerequisites:** Completion of RDG 001 and/or RDG 002.

**Description:** The second half of Western Civilization considers the historical forces and events that shaped the world in the 19th and 20th centuries. The course examines revolutions, nationalism, industrialization, imperialism, war, and the clash of Nazism, fascism, communism, and democracy. Other major components consist of the decline of colonialism, the atomic age, the Cold War, contemporary world conflicts, and prospects for the future.

SUNY GEN ED-GWEH, GSBS; NCC GEN ED-SBS, WESH

**Offered:** Fall, Winterim, Spring, Summer

**Credit Hours:** 3

**Department:** History/Pol Sci/Geography

HIS 106 - Contemporary Issues in the United States

**Prerequisites:** Completion of RDG 001 and/or RDG 002.

**Description:** The course covers the broad spectrum of American life through a survey of American social, cultural and political events. Included are such topics as the rise of colonial America; the American Revolution; the early national period of Washington, Adams, Jefferson and Hamilton; the westward movement; and the antislavery movement which climaxes with the bitter struggle of the Civil War.

SUNY GEN ED-GSBS, GAMH; NCC GEN ED-SBS, WESH

**Offered:** Fall, Winterim, Spring, Summer

**Credit Hours:** 3

**Department:** History/Pol Sci/Geography

Nassau Community College: http://collegecatalog.ncc.edu/current
COURSE DESCRIPTIONS

**Prerequisites:** Completion of RDG 001

**Description:** With its focus on the present, this course is designed to give students an understanding of the world they live in, how it was born out of the past and how it is creating the future. Recent international conflicts, social change and expectations of the future are explored in the framework of the nuclear age. SUNY GEN ED-GSBS; NCC GEN ED-GLNW, SBS, HSD

Offered: Fall, Winterim, Spring, Summer

**Credit Hours:** 3

**Department:** History/Pol Sci/Geography

**HIS 106 - U.S.A., 1945-Present**

**Prerequisites:** Completion of RDG 001

**Description:** This course deals with America in the nuclear age, its recovery from World War II and its growing domination of the Western world. The course covers the dramatic changes in American society at home and its entanglements abroad in an effort to contain Russian and Chinese power. Domestic transformation of the Kennedy-Johnson period, the upheaval of Watergate, the Reagan "revolution", and contemporary issues in American life conclude the course.

SUNY GEN ED-GAMH, GSBS; NCC GEN ED-SBS, WESH

Offered: Fall, Winterim, Spring, Summer

**Credit Hours:** 3

**Department:** History/Pol Sci/Geography

**HIS 107 - A Pictorial Approach to European History Since 1500**

**Prerequisites:** Completion of RDG 001 and/or RDG 002.

**Description:** This course offers a unique approach to European history using media as a major part of each class period. Slides and films of great masterpieces are used to illuminate selected historical periods giving the class discussions visual impact not available in ordinary history presentations.

SUNY GEN ED-GWEH, GSBS; NCC GEN ED-SBS, WESH

**Credit Hours:** 3

**Department:** History/Pol Sci/Geography

**HIS 108 - Honors History: Western Roots I**

**Prerequisites:** Completion of RDG 001 and/or RDG 002.

**Description:** This course traces the roots of Western Civilization beginning with a survey of the Judeo-Christian and Greco-Roman traditions and concluding with the Age of Enlightenment and revolutionary upheavals through 1789 that helped usher in the modern world. The course is designed for honors students only and includes extensive reading in primary and secondary source materials.

SUNY GEN ED-GSBS, GWEH; NCC GEN ED-SBS, WESH

**Credit Hours:** 3

**Department:** History/Pol Sci/Geography

**HIS 109 - Honors History: Western Roots II**

**Prerequisites:** Completion of RDG 001 and/or RDG 002 and by invitation.

**Description:** This second half of Honors Western Civilization studies the development of the Western world from 1789 to the present. The course considers that great events and forces that have shaped our Atlantic world: revolutions, nationalism, industrialization, imperialism, war, and conflict between fascism, communism, and democracy to the present day. This course is designed for honors students only and includes extensive reading in primary and secondary source materials.

SUNY GEN ED-GWEH, GSBS; NCC GEN ED-SBS, WESH

**Credit Hours:** 3

**Department:** History/Pol Sci/Geography

**HIS 110 - History of Contemporary Africa**

**Prerequisites:** Completion of RDG 001 and/or RDG 002.

**Description:** (Dual listed with AFR 143) The study of African independence movements; discussion of the problems of post-independent Africa, such as nation building, strategies of development, education, pan-Africanism; and problems of democracy in southern Africa.

SUNY GEN ED-GSBS, GOWC; NCC GEN ED-SBS, GLNW

Offered: Fall, Spring

**Credit Hours:** 3

**Department:** History/Pol Sci/Geography

**HIS 125 - The Role of Women in American History**

**Prerequisites:** Completion of RDG 001 and/or RDG 002.

**Description:** Women's history offers an important new dimension to the study of American society. This course examines the vital role ordinary women have played in American life for 350 years, the experiences and achievements of women, and the successes and failures of the feminist movements.

SUNY GEN ED-GSBS, GAMH; NCC GEN ED-SBS, WESH, PLDI

**Credit Hours:** 3

**Department:** History/Pol Sci/Geography

**HIS 130 - Ethnic Groups in American History**

**Prerequisites:** Completion of RDG 001 and/or RDG 002.

**Description:** An exploration of American history through the eyes, ears and emotions of its immigrants - the experiences of Italians and Jews, Irish and Germans, Chinese and Mexicans, and others. Common problems of adjustment, acceptance and assimilation faced by these groups teach us about America. Guest speakers, films and tapes are utilized throughout the course to probe the meaning and bring to life the history of ethnic groups in America.

SUNY GEN ED-GSBS, GAMH; NCC GEN ED-SBS, PLDI

Offered: Summer

**Credit Hours:** 3

**Department:** History/Pol Sci/Geography

**HIS 136 - History of Latinos in the U.S.**

**Prerequisites:** Completion of RDG 001

**Description:** This course explores major social, economic and political developments in the history of the various Latino communities of the United States from the mid-19th century to the present. Attention is given to such long-term processes as community formation, Latino immigration to the U.S., religion, and group identity.

SUNY GEN ED-n/a; NCC GEN ED-SBS, PLDI

**Credit Hours:** 3

**Department:** History/Pol Sci/Geography

**HIS 137 - Native Americans**

**Prerequisites:** Completion of RDG 001 and/or RDG 002.

**Description:** A survey of Native peoples in United States history and popular culture, from contact to the present. Emphasis centers on comparing and contrasting the different Native American groups in the United States; their
respective responses over time to the influx of peoples from outside the western hemisphere, and the developing relationship between these groups and what became the dominant political and social U.S. institutions and people. There will be a special emphasis on indigenous peoples of Long Island particularly and New York generally. In addition, this course will look at the ever-changing images and stereotypes of Native Americans in U.S. culture.

SUNY GEN ED-GSBS, GAMH; NCC GEN ED-SBS, PLDI

Credit Hours: 3

Department: History/Pol Sci/Geography

HIS 140 - Nassau County: History and Government

Prerequisites: Completion of RDG 001

Description: (Dual listed with POL 111) A review of the development of what is now Nassau County from pre-Colonial times to the present day. Emphasis is placed upon the governmental-administrative structure of the county and the major problems facing urban-suburban communities. Field trips and guest speakers are utilized to complement class work.

SUNY GEN ED-GSBS; NCC GEN ED-SBS

Credit Hours: 3

Department: History/Pol Sci/Geography

HIS 150 - History of the American Labor Movement

Prerequisites: Completion of RDG 001 and/or RDG 002.

Description: This course explores the dramatic and inspiring history of working men and women as they struggle to improve life for themselves and their children. Students trace the history of the American labor movement from Colonial times to the present. Emphasis is placed on the theory, strategy, and goals of the organized labor movement. Students are also introduced to the concept and techniques of collective bargaining. Films, speakers, and resources on Long Island are utilized to complement class discussion.

SUNY GEN ED-GAMH, GSBS; NCC GEN ED-SBS

Credit Hours: 3

Department: History/Pol Sci/Geography

HIS 161 - World History: Antiquity to 1500

Prerequisites: Completion of RDG 001 and/or RDG 002.

Description: This course examines major developments in world history, from the emergence of the earliest civilizations to about 1500 C.E. How various civilizations conceptualized and responded to issues such as the nature of god(s), human nature, gender roles and relationships, and the environment are explored. Technological developments and economic, political, and social structures are also studied.

SUNY GEN ED-GSBS, GOWC; NCC GEN ED-GLNW, SBS, PLDI

Offered: Summer

Credit Hours: 3

Department: History/Pol Sci/Geography

HIS 162 - World History: 1500 to the Present

Prerequisites: Completion of RDG 001 and/or RDG 002.

Description: This course examines important developments and interactions in world history from the age of exploration and European expansion to the present. Major formative elements of the modern world such as industrialization, democracy, imperialism, nationalism, secularism, feminism, socialism, fascism, human rights, and technological developments are explored.

SUNY GEN ED-GSBS; NCC GEN ED-GLNW, SBS, PLDI

Offered: Summer

Credit Hours: 3

Department: History/Pol Sci/Geography

HIS 165 - Religion in World History

Prerequisites: Completion of ENG 001, RDG 001

Description: This course examines the emergence and historical development of religious ideas and practices and their impact on world history from the ancient world through the beginning of the 21st century. Religions of Asia, South Asia, Africa, the Americas, The Middle East, the Pacific, and “new” religions are all examined in their historical contexts, as well as the historical relationships and interactions among the great world religions.

SUNY GEN ED-n/a; NCC GEN ED-GLNW, PLDI, SBS

Offered: Fall, Spring

Credit Hours: 3

Department: History/Pol Sci/Geography

HIS 176 - African-American History I

Prerequisites: Completion of RDG 001

Description: (Dual Listed with AFR 140) A survey of the African-American experience in the New World, from the advent of the African slave trade to the Civil War and the Reconstruction Era. Emphasis centers on the African background, the cultural heritage of the African-Americans, slavery and a legacy of racial discrimination.

SUNY GEN ED-GSBS, GAMH; NCC GEN ED-SBS, WESH, PLDI

Credit Hours: 3

Department: History/Pol Sci/Geography

HIS 177 - African American History II

Description: (Dual listed with AFR 141) A survey of the African American experience since the Reconstruction Era to the post World War II period and the current scene. Emphasis centers on the Civil Rights Movement, the Harlem Renaissance, the Black Revolution and the philosophies of Dr. Martin Luther King, Jr., Malcolm X, Jesse Jackson, Angela Davis, Cynthia Boston, Willie McGee and the "exiled" leaders of the contemporary scene.

SUNY GEN ED-GSBS, GAMH; NCC GEN ED-SBS, WESH, PLDI

Offered: Fall, Spring, Summer

Credit Hours: 3

Department: History/Pol Sci/Geography

HIS 178 - History of the Black Woman

Prerequisites: Completion of RDG 001

Description: (Dual listed with AFR 200) An historical examination of the image, role and treatment of the Black Woman in America from the Age of Slavery to the advent of the feminist movement and the contemporary scene. Emphasis centers on the burdens of racism, sexism, single-parent motherhood, welfare, Black female and male relationships, sterilization, the Black family and the issues of Black Women’s liberation, women’s lib and the ERA amendment.

SUNY GEN ED-GSBS, GAMH; NCC GEN ED-SBS, WESH, PLDI

Offered: Fall, Spring, Summer

Credit Hours: 3

Department: History/Pol Sci/Geography

HIS 180 - Health, Disease and Western History

Prerequisites: Completion of RDG 001 and/or RDG 002.

Description: In all eras disease has been a shaper of human affairs. It has affected the life of empires and the outcome of wars, helped alter the economy and the structure of society, and evoked outbursts of mass unrest. It continues to challenge the development of civilization. The course examines the impact of disease on Western history; the efforts of Western society to deal with disease through magic, religion, and science; and the role of disease as the theme of art, literature and popular culture.

SUNY GEN ED-GSBS, GWEH; NCC GEN ED-SBS, WESH

Credit Hours: 3

Department: History/Pol Sci/Geography
### COURSE DESCRIPTIONS

**HIS 190 - The History of Sports in America**
- **Prerequisites:** Completion of RDG 001
- **Description:** This course examines the evolution of sports in the context of American history. From the colonial era to the present, sports have been a mirror of the larger history of the nation. The course traces the growth of sports, both amateur & professional with an emphasis on the refining rules & organization, the role of the media & the changes that have taken place within the sporting world.
- **SUNY GEN ED-n/a; NCC GEN ED-SBS**
- Offered: Summer
- **Credit Hours:** 3
- **Department:** History/Pol Sci/Geography

**HIS 205 - The Ancient World**
- **Prerequisites:** Completion of RDG 001 and/or RDG 002.
- **Description:** The peoples of ancient Mediterranean, African, Near Eastern, Asian and Celtic worlds and pre-contact America are the subjects of this course. Each civilization, with an emphasis on their art and literature, manners and morals, scientific and technological inventions, political, military, and economic institutions, triumphs and failures, is considered first in its own context, and then with reference to how, when, and with what consequences ancient civilizations affected one another.
- **SUNY GEN ED-GSBS, GOWC; NCC GEN ED-SBS, GLNW**
- Offered: Summer
- **Credit Hours:** 3
- **Department:** History/Pol Sci/Geography

**HIS 206 - The Medieval World**
- **Prerequisites:** Completion of RDG 001 and/or RDG 002.
- **Description:** The course focuses on the new civilization which emerged from the ruins of the Greco-Roman world. The role of the Medieval church, feudalism, chivalry, and witchcraft in shaping this seminal period is explored together with the medieval world's contribution to the making of modern day political, economic and cultural traditions.
- **SUNY GEN ED-GSBS, GWEH; NCC GEN ED-SBS, WESH**
- **Credit Hours:** 3
- **Department:** History/Pol Sci/Geography

**HIS 207 - Early Modern Europe**
- **Prerequisites:** Completion of RDG 001 and/or RDG 002.
- **Description:** This course covers the period in European history from 1500 to 1763, one in which the values, life-styles and power structure of the Middle Ages were consistently challenged by new forces which were ultimately victorious and laid the groundwork for the modern era. More than just a period of transition, the epoch includes some of the more creative and turbulent chapters in the history of European civilization.
- **SUNY GEN ED-n/a; NCC GEN ED-SBS, WESH**
- **Credit Hours:** 3
- **Department:** History/Pol Sci/Geography

**HIS 209 - Twentieth-Century Europe**
- **Prerequisites:** Completion of RDG 001 and/or RDG 002.
- **Description:** A study of Europe in the 20th century, beginning with the foundations in 1870 and continuing to the present. The course examines the former world dominance of Europe and traces developments leading to its present status in the world community. Topics studied intensively include the origins of World War I, the impact of the Russian Revolution, the rise of fascism, and World War II, as well as the significant cultural, social and intellectual trends that shaped this epoch in European history.
- **SUNY GEN ED-GSBS, GWEH; NCC GEN ED-SBS, WESH**
- **Credit Hours:** 3
- **Department:** History/Pol Sci/Geography

**HIS 210 - The Modern Middle East**
- **Prerequisites:** A prior history course or permission of instructor, completion of RDG 001 and/or RDG 002.
- **Description:** This course examines the multifaceted history of the Middle East, broadly construed as a geographic and cultural region, since the 18th century. Topics include religious and cultural traditions and varieties, gender issues, and the challenges and choices facing Middle Eastern states and societies in recent years. Regional conflicts, religious radicalism, and terrorism will be addressed.
- **SUNY GEN ED-GSBS, GOWC; NCC GEN ED-SBS, GLNW, PLDI**
- **Credit Hours:** 3
- **Department:** History/Pol Sci/Geography

**HIS 219 - Colonial Latin America**
- **Prerequisites:** Completion of RDG 001
- **Description:** A history of Latin America in the 19th and 20th centuries dealing with the broad comparative features of the region's political, economic and social development. More specific analyses of national case studies are included together with a consideration of the frequent revolutions which have swept the nations of Latin America in the modern era.
- **SUNY GEN ED-GSBS, GOWC; NCC GEN ED-SBS, GLNW, WESH, PLDI**
- Offered: Summer
- **Credit Hours:** 3
- **Department:** History/Pol Sci/Geography

**HIS 220 - Modern Latin America**
- **Prerequisites:** Completion of RDG 001
- **Description:** A study of Latin America in the 19th and 20th centuries dealing with the broad comparative features of the region's political, economic and social development. More specific analyses of national case studies are included together with a consideration of the frequent revolutions which have swept the nations of Latin America in the modern era.
- **SUNY GEN ED-GSBS, GOWC; NCC GEN ED-SBS, GLNW, WESH, PLDI**
- **Credit Hours:** 3
- **Department:** History/Pol Sci/Geography

**HIS 221 - The Afro-Caribbean World**
- **Prerequisites:** AFR 140/HIS 176, HIS 220 or permission of instructor, completion of RDG 001
- **Description:** (Dual Listed with AFR 203) An historical presentation of the African experience in the Caribbean nations of Cuba, Bahamas, Haiti, Dominican Republic, Jamaica, Puerto Rico, and the nations of the Lesser Antilles, Trinidad and Tobago. Emphasis centers on the impact and effects of African slavery in the Caribbean, African contributions to the region, its cultural roots in Caribbean society, and the contemporary problems in the Caribbean today.
- **SUNY GEN ED-GSBS, GOWC; NCC GEN ED-SBS, GLNW, WESH, PLDI**
- Offered: Fall, Spring, Summer
- **Credit Hours:** 3
- **Department:** History/Pol Sci/Geography

**HIS 222 - Modern Mexico and Central America**
- **Prerequisites:** AFR 140/HIS 176, HIS 220 or permission of instructor, completion of RDG 001
- **Description:** A study of Latin America in the 19th and 20th centuries dealing with the broad comparative features of the region's political, economic and social development. More specific analyses of national case studies are included together with a consideration of the frequent revolutions which have swept the nations of Latin America in the modern era.
- **SUNY GEN ED-GSBS, GOWC; NCC GEN ED-SBS, GLNW, WESH, PLDI**
- **Credit Hours:** 3
- **Department:** History/Pol Sci/Geography

**HIS 222 - Modern Mexico and Central America**
- **Prerequisites:** AFR 140/HIS 176, HIS 220 or permission of instructor, completion of RDG 001
- **Description:** A study of Latin America in the 19th and 20th centuries dealing with the broad comparative features of the region's political, economic and social development. More specific analyses of national case studies are included together with a consideration of the frequent revolutions which have swept the nations of Latin America in the modern era.
- **SUNY GEN ED-GSBS, GOWC; NCC GEN ED-SBS, GLNW, WESH, PLDI**
- **Credit Hours:** 3
- **Department:** History/Pol Sci/Geography
Prerequisites: Completion of RDG 001.

Description: This course examines the history of Mexico and Central America from independence in the 1820s to the present. Attention will be paid to political events, such as the Wars of Independence, the Mexican Revolution and the Sandinista and FMLN movements, and to such long-term processes as the relationships among agrarian development, social movements and state-building. SUNY GEN ED-GSBS, GOWC; NCC GEN ED-SBS, GLNW, WESH

Credit Hours: 3

Department: History/Pol Sci/Geography

HIS 228 - Modern China

Prerequisites: Completion of RDG 001 and/or RDG 002.

Description: A survey of Chinese history & culture in the 20th Century. The course reviews the impact of the West on China in the modern era. Emphasis is placed on the Revolution of 1911, which ushered in the Republican era, the rise of Chinese Communism, & the present two-China situation. SUNY GEN ED-GSBS, GOWC; NCC GEN ED-SBS, GLNW, PLDI

Credit Hours: 3

Department: History/Pol Sci/Geography

HIS 230 - Modern Imperialism

Prerequisites: Completion of RDG 001 and/or RDG 002.

Description: This course examines Western Empire building and the struggle of colonized societies to gain independence. It begins by exploring the roots of imperialism in the 16th through the 18th centuries and continues with analysis of European imperialism in Africa and Asia in the 19th century. Motivations for imperial conquest, methods of rule, effects on the colonized societies and the United States expansionism in the 19th and 20th centuries are considered. This course also analyzes gender, race and the anti-colonial movements of the 20th century. It concludes with analysis of neocolonialism in the aftermath of the Cold War.

SUNY GEN ED-GSBS, GWEH; NCC GEN ED-SBS, PLDI, WESH, GLNW

Credit Hours: 3

Department: History/Pol Sci/Geography

HIS 232 - The History of the Cold War

Prerequisites: Completion of RDG 001 and/or RDG 002.

Description: The course deals with one of the most significant areas of contemporary international conflict and tension: the mutual relationships among the United States, Russia, and China. Students probe the origins and development of the Cold War and peace in the 20th century. SUNY GEN ED-GSBS; NCC GEN ED-SBS, WESH

Offered: Summer

Credit Hours: 3

Department: History/Pol Sci/Geography

HIS 234 - History of Ireland

Prerequisites: Completion of RDG 001.

Description: (Formerly HIS 170) This course focuses on Celtic history, foreign invasions, early modern Ireland before emancipation, the great famine, land reform, home rule, the Easter uprising, the Irish Free State, the independent republic, Northern Ireland, the present discord and the Dublin-London-Belfast-American connection.

SUNY GEN ED-GSBS; NCC GEN ED-SBS, WESH

Offered: Summer

Credit Hours: 3

Department: History/Pol Sci/Geography

HIS 235 - Russia Since Peter The Great

Prerequisites: Completion of RDG 001 and/or RDG 002.

Description: This course tries to make Russia less puzzling by examining the cultural, social and political elements which have gone into the making of modern Russia. In the process certain broad themes are considered, including Russia's place in Western tradition and the relationship between contemporary society and Russia's pre-revolutionary past.

SUNY GEN ED-GSBS; NCC GEN ED-SBS, WESH

Credit Hours: 3

Department: History/Pol Sci/Geography

HIS 236 - History of Israel

Prerequisites: Completion of RDG 001 and/or RDG 002.

Description: (Formerly HIS 135) An interdisciplinary approach to the history of the modern state of Israel and the Jewish historical experience. Firsthand experiences and films are used in examination of the life and culture of modern Israel, including an in-depth study of the Arab-Jewish conflict.

SUNY GEN ED-GSBS, GOWC; NCC GEN ED-SBS, PLDI

Credit Hours: 3

Department: History/Pol Sci/Geography

HIS 240 - Revolutions in the Modern World

Prerequisites: Completion of RDG 001 and/or RDG 002.

Description: A comparative study of revolutionary movements and ideologies from the time of Cromwell to the present, with an emphasis on the modern era. It deals with the causes and consequences of revolutions in their historical contexts, and discusses alternatives to violent overthrows of government as well as counter-revolutionary movements, past and present. The English, American, French, Russian, Chinese and Cuban revolutions are among those examined.

GUNY GEN ED-GSBS, GOWC; NCC GEN ED-SBS, WESH

Credit Hours: 3

Department: History/Pol Sci/Geography

HIS 250 - Era of the American Revolution

Prerequisites: ENG 100 or ENG 101 or permission of instructor, completion of RDG 001 and/or RDG 002.

Description: An in-depth view of the American struggle for independence, removing much of the mythology that surrounds this classic confrontation between colonies and mother country. Beginning with the French and Indian War, the course examines the crises leading to revolution, the military aspects of the war itself, and ends with a look at the new nation in its infancy. Particular attention is focused on both British and Colonial views toward independence, the conspiratorial activities of the radical revolutionary minority, and the roles played by various individuals on all sides of the struggle in the War for Independence.

SUNY GEN ED-GSBS, GAMH; NCC GEN ED-SBS

Credit Hours: 3

Department: History/Pol Sci/Geography

HIS 255 - The Civil War and Reconstruction

Prerequisites: Completion of RDG 001 and/or RDG 002.

Description: The era of the Civil War and Reconstruction was the most traumatic in American history. The nation underwent an orgy of bloodshed and hatred, the aftereffects of which can still be seen to this day. This course examines the events and personalities of that turbulent era during which the nation was forged.

SUNY GEN ED-GSBS, GAMH; NCC GEN ED-SBS

Credit Hours: 3

Department: History/Pol Sci/Geography

HIS 260 - Twentieth Century Genocide

Prerequisites: HIS 102, HIS 209, or permission of instructor, completion of RDG 001 and/or RDG 002.
Description: The subject matter of this course will be the history of ethnic/religious genocide during the 20th century. The topics covered will include the Armenian massacre of 1915-1918, the Jewish Holocaust (Final Solution) of World War II, as well as some contemporary examples of genocide, i.e. Bosnia, Rwanda, the Caucasus, etc. The prime emphasis will be on the Holocaust, with a focus on the lessons learned from this historical experience.

SUNY GEN ED-GSBS; NCC GEN ED-SBS, PLDI
Credit Hours: 3

Department: History/Pol Sci/Geography

HIS 270 - Racism in the Modern World
Prerequisites: One prior history course, either HIS 101, HIS 102, HIS 103, HIS 104, HIS 105 or HIS 106, completion of RDG 001 and/or RDG 002.
Description: (Students who require ENG 001 or RDG 001 cannot take this course until these requirements are met.) This course examines the origins and development of the national forces and institutions that have shaped racial ideas and practices over the last 500 years. Through a variety of historical materials, students will explore the comparative aspects and dimensions of racism, from early European overseas conquests to contemporary struggles for national political power.

SUNY GEN ED-GSBS, GWEH, NCC GEN ED-SBS, PLDI
Credit Hours: 3

Department: History/Pol Sci/Geography

HIS 280 - The Atlantic World 1450-1820
Prerequisites: Completion of RDG 001 and/or RDG 002
Description: The European navigations of the fifteenth century permanently connected four major continents and their distinct peoples many of whom before this time had no or only sporadic contact with one another. From 1450 onwards the Atlantic Oceans served as a "corridor" through which peoples, ideas, and things were exchanged and transformed. This course explores the Atlantic world created by this corridor by examining several themes: maritime exploration, European-Indian-African interactions, the rise of European imperialism in the Americas, the creation of Atlantic American communities in the Americas, the growth of an Atlantic economy, and rebellion and revolution in the Atlantic world.

SUNY GEN ED-n/a, NCC GEN ED-SBS, PLDI

Offered: Summer

Credit Hours: 3

Department: History/Pol Sci/Geography

HIS 290 - Religion in American History
Prerequisites: ENG 100 or ENG 101.
Description: Religion has played an important role in the political, social, cultural, and intellectual history of America from the colonial era to the present. This course examines the diverse religions that have influenced and that have been influenced by the American past. Some of the belief systems considered are Protestant denominations, Roman Catholicism, Judaism, Islam, Buddhism, Hinduism, Mormonism, and African-American and Native-American religions.

SUNY GEN ED-n/a, NCC GEN ED-PLDI, SBS, WESH
Credit Hours: 3

Department: History/Pol Sci/Geography

Health Information Technology

HIT 151 - Medical Terminology
Description: This course will prepare students for careers in medical administration by reviewing the terminology associated with many areas of medicine such as cardiovascular, digestive, central nervous, genitourinary, respiratory systems, etc. Emphasis is placed on etymology of words. (Students receiving credit for OPT 151 will not receive credit for HIT 151.)

SUNY GEN ED-n/a, NCC GEN ED-n/a

Offered: Fall, Spring, Summer
Credit Hours: 3

Department: Administrative Business Tech

HIT 154 - Computer Software Applications in Health Care
Description: This course covers an overview of commonly available software tools used in health care, including introduction to encoding tools and computer assisted coding software used in health data processing. It includes an introduction to the electronic health record (EHR) process and the various health information systems currently used in health care delivery in the US. Laboratory fee applies.

SUNY GEN ED-n/a, NCC GEN ED-n/a

Offered: Fall, Spring
Credit Hours: 3

Department: Administrative Business Tech

HIT 156 - Medical Coding CPT
Prerequisites: HIT 151 (with a grade of C or better) or permission of the Chairperson.

Description: This course provides instruction in the classification and coding of all ambulatory care and outpatient care encounters. The students will become familiarized with all aspects of CPT Coding and HCPCS Level II Coding. The course covers interpreting medical chart documentation and operative reports to accurately assign CPT codes for maximum physician reimbursement. Students will use popular coding software. The course covers information necessary for the completion of the CCA or CCS-P examination. Laboratory fee applies. (Students receiving credit for OPT 156 will not receive credit for HIT 156.)

SUNY GEN ED-n/a, NCC GEN ED-n/a

Offered: Fall, Spring
Credit Hours: 3

Department: Administrative Business Tech

HIT 157 - Medical Coding ICD
Prerequisites: HIT 151 (with a grade of C or better) or permission of the Chairperson.

Description: This course will familiarize students with all practices and conventions of ICD Coding. Students will learn to assign numeric codes for medical diagnoses and procedures carried out in medical offices, hospitals, ambulatory surgery centers and other types of health care facilities. Emphasis will be placed on accurate code selection following approved guidelines and coding conventions. Students will use popular coding software. The course covers information necessary for the completion of the CCA or CCS-P examination. Laboratory fee applies. (Students receiving credit for OPT 157 will not receive credit for HIT 157.)

SUNY GEN ED-n/a, NCC GEN ED-n/a

Offered: Fall, Spring
Credit Hours: 3

Department: Administrative Business Tech

HIT 158 - Reimbursement Methodologies
Prerequisites: HIT 157 (with a grade of C or better)

Description: Corequisites: HIT 157

This course is designed to familiarize students with the basics of medical billing insurance reimbursement, and medical record documentation. The various types of prospective payment systems (PPS) used in health care reimbursement are discussed.
COURSE DESCRIPTIONS

Students complete billing, insurance and medical documentation forms, both manually and electronically. The course includes the study of the impact of federal legislation on health care reimbursement and an overview of the Federal Register. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring

Credit Hours: 3

Department: Administrative Business Tech

HIT 256 - Advanced CPT Coding

Prerequisites: HIT 151, HIT 156, HIT 158 (with a grade of C or better in each course) or permission of the Chairperson.
Description: This course focuses on the advanced practice of the application of CPT coding. Students review and code advanced clinical and medical scenarios related to various body systems. Software coding packages and the use of CPT and HCPCS manuals to code for physician procedures and services are reviewed. Emphasis is placed on surgical coding. The students are introduced to procedure based payment systems including RBRVS, E&M codes and APC assignments. Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring

Credit Hours: 3

Department: Administrative Business Tech

HIT 257 - Advanced ICD Coding

Prerequisites: HIT 151, HIT 156, HIT 157 (with a grade of C or better in each course) or permission of the Chairperson.
Description: This course focuses on the advanced practice of the application of ICD-9 coding. Students review and code advanced clinical and medical scenarios related to various body systems. Coding standards guidelines and regulatory requirements for each system are discussed. The students are introduced to diagnostic based prospective payment groupers including DRG, APR-DRG and RUGS, as well as diagnostic coding systems including ICD-10 and the DSM-IV. Course includes an introduction to Systemized Nomenclature of Medicine (SNOMED) and its role as a basis for the electronic health record (EHR). Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer

Credit Hours: 3

Department: Administrative Business Tech

HIT 258 - Medical Coding Internship

Prerequisites: HIT 154, HIT 158, HIT 250, HIT 256, and HIT 257 (with a grade of C or better in each course) or permission of the Chairperson.
Description: This course is a supervised work experience that provides students with exposure to coding practices in a hospital, physician's office, clinic or other health care setting with directed projects common to the typical coding tasks of a clinical coding specialist. Students are introduced to health information technology and coding procedures through observation, study and work. Weekly seminars reinforce work experience.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer

Credit Hours: 3

Department: Administrative Business Tech

HIT 260 - Quality Management and Organizational Resources in HIM

Prerequisites: HIT 154, HIT 158, HIT 250 (with a grade of C or better in each course) or permission of the Chairperson
Description: This course covers quality assessment and improvement tools related to health information management. Regulations surrounding utilization management and risk management are discussed. Organizational functions of health information management systems are also discussed. (2 lecture, 2 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall

Credit Hours: 3

Department: Administrative Business Tech

HIT 265 - Health Data Statistics

Prerequisites: HIT 156, HIT 157, HIT 158, HIT 250.
Description: This course covers the application of basic hospital and vital statistics related to health information management. Correlations are made to explain how statistical information in the medical record is utilized within the health care facility and by outside governmental and private agencies. (2 lecture, 2 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Please contact Department for course offering

Credit Hours: 3

Department: Administrative Business Tech

HIT 270 - HIM Regulatory Issues in the Law

Prerequisites: HIT 154 and HIT 250 (with a grade of C or better in each course) or permission of the Chairperson
Description: This course introduces the students to legal issues surrounding the field of health information management. Health information/record laws and regulations are discussed including confidentiality, privacy, and security and usage of health information. Ethics and court decisions that affect healthcare are discussed. (2 lecture, 2 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring

Credit Hours: 3
Human Services

HMS

HMS 101 - Introduction to Human Services
Description: This course provides students with an understanding of the human services profession: its goals and objectives, theories and methods, and structures and organizations. Emphasis is placed on the role of the human service provider in working with youth, families, the aged and disadvantaged populations. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: On Occasion
Credit Hours: 3
Department: Multidisciplinary Studies

HMS 102 - Interviewing in Human Service Practice
Description: This course deals with interview skills for beginning human service workers. A variety of procedures for effective interviews in different situations are studied and practiced along with techniques to explore personal growth and development. Included are exploration skills, listening and insight skills. Traditional lectures, role playing and classroom experiential learning will be significant course components. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: On Occasion
Credit Hours: 3
Department: Multidisciplinary Studies

HMS 117 - Introduction to Community Services
Description: This course focuses on roles helpers play and locations for social work practice. Topics include professional values and the National Association of Social Worker's code of ethics and the knowledge base of the profession. Sociological theory and research are used to examine interventions in individual and community life as well as policy formulation and implementation. Social welfare history is also presented and special attention is paid to working with populations at risk and the importance of cultural competency.
SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Multidisciplinary Studies

HMS 200 - Community Service Skills
Prerequisites: HMS 117
Corequisites: HMS 117
Description: This course surveys the fundamentals of support services. It includes concepts and skills in counseling; interviewing techniques; implementing case management; working with families and groups; planning and record keeping. Students who have taken CSW 200 will not receive credit for HMS 200.
SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 3
Department: Multidisciplinary Studies

HMS 205 - Community Service Internship
Prerequisites: HMS 117 and permission of instructor.
Description: The course includes five field work hours per week plus one and 1/4 seminar hours per week. Students are placed in an established human service agency under professional supervision. Class work focuses on the practical aspects of working in a human service agency, such as: professional responsibilities; supervisory and organizational skills; values and ethics and stress management. Special attention is paid to working with diverse populations.
SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 3
Department: Multidisciplinary Studies

Human Rights Studies

HRS

HRS 101 - Introduction to Human Rights Studies
Prerequisites: Completion of remedial courses in MAT, ENG and RDG.
Description: Introduction to Human Rights Studies uses an interdisciplinary approach incorporating sources from United Nations reports, human rights documents, legal documents, literature, film, art and media to encourage critical thinking in the study of international human rights. This course investigates what human rights are, how they are monitored and defended by governments, international agencies and NGOs and what happens when human rights are violated. (Important case studies will be examined).
SUNY GEN ED-n/a; NCC GEN ED-GLNW, PLDI Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Multidisciplinary Studies

Hospitality

HTL

HTL 150 - Introduction to Tourism
Description: This course is designed to introduce students to basic concepts and the language and scope of the tourism industry. It includes the evolution, economic function and analysis of modes, organization, and arrangement of travel.
SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring
Credit Hours: 3
Department: Hotel & Restaurant Tech

HTL 155 - International Hospitality Industry
Description: A course providing students with techniques and international methods of tourism, culinary arts, hotel/restaurant management. It includes independent research, visits to hotels, restaurants, culinary arts schools and hotel universities. Special expenses for students: air fare to and from foreign countries, food, lodging, taxes, transfers, etc., for approximately two to three weeks.
SUNY GEN ED-n/a; NCC GEN ED-n/a Credit Hours: 3
Department: Hotel & Restaurant Tech

HTL 161 - Hospitality Management
Description: Traces the growth and development of the lodging industry from early times to modern hotel and motel operations. Covers the application of
marketing research to site location, customer demand and determination of operational needs. Includes design and layout, front office requirements, maintenance, equipment and housekeeping activities.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring

Credit Hours: 3

Department: Hotel & Restaurant Tech

HTL 162 - Hospitality Human Resources

Description: Advanced management techniques and problems confronting the hotel-motel industry. Emphasis on personnel and labor relations. Dimensions of personnel management and responsibilities, operational problems of seasonal arrangements and various aspects of employee development and career potential are covered. Current and future industry-wide trends and problems are also investigated.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer

Credit Hours: 3

Department: Hotel & Restaurant Tech

HTL 165 - Facilities Planning and Design

Description: The course of study concentrates on the hotel/restaurant complex, taking into consideration all phases of the enterprise, including coverage of topics in equipment selection, mechanical operations, traffic flow, hotel operations, and other ancillary functions to prepare the innkeeper and his/her staff for effective decision making.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer

Credit Hours: 3

Department: Hotel & Restaurant Tech

HTL 171 - Food and Beverage Operations

Description: An introduction to food and beverage management, including the elements of stewarding, staffing, budgeting, purchasing, ordering, receiving, storage and control. Topics include equipment layout and design, sanitation and analysis of the food and beverage operation in relation to the lodging facility.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring

Credit Hours: 3

Department: Hotel & Restaurant Tech

HTL 172 - Food Services Cost Analysis

Description: An extensive study of the "control" aspects of the food and beverage industry that dictate profit or loss. Emphasis is placed on sales analysis, pricing, portion control, cost analysis, menu scoring and guideline percentage tests for all major expense components integral to food and beverage operations. Computer lab will be utilized.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring

Credit Hours: 3

Department: Hotel & Restaurant Tech

HTL 174 - Fundamentals of Food Production

Description: An introduction to food preparation emphasizing basic culinary skills, practices, and the complete sanitation program in food establishments. Chef Instructor demonstrates proper culinary methods and preparations. Students then perform learned skills. Students are required to produce foods and clean and sanitize the kitchen laboratory. Lifting required. Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer

Credit Hours: 3

Department: Hotel & Restaurant Tech

HTL 175 - Food and Beverage Production Techniques

Prerequisites: HTL 174

Description: Commercial food preparation emphasizing quantity food production, the elements of baking, and the institutional approach to volume feeding. Chef Instructor also demonstrates more advanced techniques of food preparation. Students are required to produce foods and clean and sanitize the kitchen laboratory. Lifting required. Uniform required. Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring

Credit Hours: 3

Department: Hotel & Restaurant Tech

HTL 176 - Advanced Food Production Techniques

Description: Commercial food preparation emphasizing quantity food production, the elements of baking, and the institutional approach to volume feeding. Chef Instructor also demonstrates more advanced techniques of food preparation. Students are required to produce foods and clean and sanitize the kitchen laboratory. Lifting required. Uniform required. Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring

Credit Hours: 3

Department: Hotel & Restaurant Tech

HTL 177 - Servsafe Sanitation

Description: Students learn the basic concepts of food safety that is needed to help protect consumers and businesses against foodborne illness outbreaks. The course demonstrates industry safety methods utilized in food handling, storage, and preparation. It prepares students for an exam sponsored by the National Restaurant Association and administered at the college. Servsafe is a nationally recognized certification.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Winter

Credit Hours: 1

Department: Hotel & Restaurant Tech

HTL 178 - Event Planning

Description: An opportunity for hands-on experience in the catering, banquet, convention and function business. Topics include banquet service, convention sales and packaging, catering menus, recipes, and food preparation. The student meets one class lecture per week and actually produces two catered special functions (approximately 17 hours per function) per semester. The student plans, costs-out, prepares and serves the special function for the advancement of the College community on dates established by the instructor.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring

Credit Hours: 3

Department: Hotel & Restaurant Tech

HTL 180 - Front Office Management

Description: The analysis of the coordination of all departments emphasizing the control function. Topics include front office procedure, cash control, credit and collections, record keeping, equipment management and the integration of business machines in posting and auditing procedures. Computer lab will be utilized.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer

Credit Hours: 3

Department: Hotel & Restaurant Tech

HTL 190 - International Wines and Beverages

Description: An introduction to the major wine-growing regions of the world and the factors necessary to create an acceptable final product. Topics will include growing and vinification techniques, law and labeling, geography. The course will include discussion on distilled spirits and an introduction to bartending. Students may receive AHMA “Serving Alcohol with Care” Certification. Fee required.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring

Credit Hours: 3
COURSE DESCRIPTIONS

**Department:** Hotel & Restaurant Tech

**HTL 200 - Hotel Operations Research Seminar**

**Description:** A comprehensive analysis of developments and problems in the hotel/motel industry utilizing contemporary developments. Emphasis is placed on the integration of the hotel/motel business with the hospitality industry and its present and future role. Students are involved in extensive case analysis. Some field trips required. Minimum 21 hotel/restaurant credits completed. SUNY GEN ED-n/a; NCC GEN ED-n/a

**Credit Hours:** 6

**Department:** Hotel & Restaurant Tech

**HTL 205 - Food and Beverage Operations Research Seminar**

**Description:** An analysis of contemporary developments and problems in the food service industry. All facets are explored including institutional feeding, fast foods, and specialty restaurants from gourmet to catering. Some field trips required. Minimum 15 hotel/restaurant credits completed. SUNY GEN ED-n/a; NCC GEN ED-n/a

**Credit Hours:** 3

**Department:** Hotel & Restaurant Tech

**HTL 242 - Hospitality Internship**

**Description:** Students work for appropriate business firms, institutions and/or agencies to enrich the theoretical concepts previously developed in the classroom. Students must complete 350 hours on-the-job training as assigned by the professor in conjunction with assigned papers and coursework. Some office visits are required by the assigned professor. SUNY GEN ED-n/a; NCC GEN ED-n/a

**Credit Hours:** 3

**Department:** Hotel & Restaurant Tech

**HTL 600 - Cooperative Partnership with Industry**

**Prerequisites:** Students are required to take ENG 001, RDG 001, RDG 002, MAT 001, MAT 002 or MAT 003 must successfully satisfy all remedial requirements prior to taking this course. In addition, students must have completed a minimum of 12 credits and be in good academic standing.

**Description:** The course provides supervised, practical, paid, full time experience at institutions that offer students opportunities to which they apply concepts learned in the classroom. Written reports demonstrating the understanding of theories and their applications are an integral part of the curriculum. Travel and living expenses may be incurred contingent upon placement.

SUNY GEN ED-n/a; NCC GEN ED-n/a

**Credit Hours:** 3

**Department:** Hotel & Restaurant Tech

**Inter Global Studies**

**IGS**

**IGS 101 - Modern World Societies I**

**Description:** This interdisciplinary social science course will chronologically explore the development of the modern world from 1500 to 1877. Course content will focus on such topics as scarcity, population dynamics, disease, industrialization, poverty, conflict, and international trade. Pertinent skills will be developed. This course will give students an awareness of the interdependence among past and present nations. Students will work with maps to gain an understanding of geography and the changing world order.

SUNY GEN ED-GOWC, GSBS; NCC GEN ED-WESH, PLDI, SBS GLNW

**Offered:** Fall

**Credit Hours:** 3

**Department:** Economics and Finance

**IGS 102 - Modern World Societies II**

**Description:** This interdisciplinary social science course will chronologically explore the development of the modern world from 1878 to the present. Course content will focus on such topics as scarcity, population dynamics, disease, industrialization, poverty, conflict, and international trade. Pertinent skills will be developed. This course will give students an awareness of the interdependence among past and present nations. Students will work with maps to gain an understanding of geography and the changing world order.

SUNY GEN ED-GOWC, GSBS; NCC GEN ED-WESH, PLDI, SBS, GLNW

**Offered:** Fall

**Credit Hours:** 3

**Department:** Marketing & Retailing

**INT 102 - History of Furnishings and Design**

**Description:** The course is a comprehensive survey of the development of furnishings and interior design from ancient times through the 20th century. Principal movements and periods include: Classic, Renaissance, Baroque, Neo-Classic, Arts and Crafts, Art Nouveau, Art Deco, Modern and Post-Modern design. The development of styles is chronologically traced within the context of the prevailing social and historical forces that affect design. For special (as indicated on Banner) sections only: Field trips are required as part of the course. Additional transportation fee and entrance fees to museums and historical sites are required.

SUNY GEN ED-n/a; NCC GEN ED-n/a

**Credit Hours:** 3

**Department:** Marketing & Retailing

**INT 103 - Trends in Furniture and Lighting Design**

**Prerequisites:** ENS 101 and INT 101.

**Description:** This course covers trends and influences on 20th-century furniture and lighting for the home, office and public interior spaces. The latest trends and technologies are examined through a study of the furniture design process. Drafts and art furniture, antiques and collectibles, are studied for their influences on trends. The wide range of available lighting materials is explored. Creation of dramatic and functional lighting effects and spatial interpretations are studied.

Average Materials Cost: $50.

SUNY GEN ED-n/a; NCC GEN ED-n/a

**Offered:** Spring

**Credit Hours:** 3

**Department:** Marketing & Retailing

**INT 104 - Color for Home Furnishings and Design**

**Description:** This course familiarizes students with color language and technology as it applies to interior design. It focuses on the following areas: light and color, color systems, color schemes, special color effects, practical approaches to and the psychological impact of colors. In addition, students are taught to design a color schematic which is applied to from other practitioners in the field, space selection, analysis and planning, scale drawing, projections, furniture layouts.

Average Materials Cost: $225.

SUNY GEN ED-n/a; NCC GEN ED-n/a

**Offered:** Fall, Spring

**Credit Hours:** 3

**Department:** Marketing & Retailing

**INT 101 - Interior Design Studio I**

**Description:** This course presents an overview of methods for designing residential, business and institutional interiors. Topics taught include the functions and responsibilities of the interior designer as distinguished
COURSE DESCRIPTIONS

INT 105 - Resources and Materials
Prerequisites: INT 101.
Description: Emphasis is on the analysis, identification and application of materials for interiors. Wall and floor coverings, cabinetry, windows and upholstery are examined. Students learn to estimate cost and quantities of materials needed for design projects. Resources (vendors of furniture, fabrics, accessories, etc.) are explored. Field trips to suppliers, workrooms and "trade only" showrooms will be scheduled. There will be classroom lectures by manufacturers' representatives and other industry spokespeople. Average materials cost: $50.
Credit Hours: 3
Department: Marketing & Retailing

INT 115 - Kitchen and Bath Design I
Prerequisites: INT 101, ENS 101
Description: This course is intended to educate the professional residential interior kitchen and bath designer with the appropriate applications for kitchen and bath design in compliance with industry and manufacturers' standards. The student will learn local and state building codes, licensing, and legislative requirements that are necessary to perform all tasks associated with kitchen and bath design and installation standards. Student must be enrolled in Kitchen and Bath Design Certificate Program.
Credit Hours: 3
Department: Marketing & Retailing

INT 118 - Presentation Standards for Kitchen and Bath Design
Prerequisites: INT 101, INT 103, INT 104, INT 105, ENS 101, CET 101, CET 107.
Description: Student must be enrolled in the Kitchen and Bath Certificate Program. This course teaches students to read architectural drawings used in the design process of a kitchen or bathroom. Students learn to produce working documents according to NKBA (National Kitchen and Bath Association) Graphics and Presentation Standard Manual. Students will become competent in the following: proper use of equipment, architectural lettering, drawing of floor plans, elevations, mechanical, section and detail drawing. NKBA Standards are used in all drawings including perspective and isometrics.
Credit Hours: 3
Department: Marketing & Retailing

INT 120 - Final Thesis and Portfolio Development
Prerequisites: INT 101, INT 105, INT 106, ART 111 and ENS 101 with a minimum grade of C in all prerequisites or permission of Department.
Description: This course develops and refines skills necessary to execute effective design presentations for submission to clients. It teaches concepts and techniques for compiling portfolios suitable to obtaining work in the profession. The student will submit an Exit Portfolio and present a final thesis with emphasis on universal design. Student must have a minimum of ten completed Interior Design Projects for Portfolio Development. Average Materials Cost: $150.
Credit Hours: 3
Department: Marketing & Retailing

INT 201 - Interior Design Studio II
Prerequisites: INT 101.
Description: Students who have taken INT 106 will not get credit for INT 201. (Formerly INT 106). Presents a lesson in mechanical, studio drafting for interior design majors. Students will be required to draw layouts, elevations, reflective ceiling plans, matrix assessments, and perspective thumb-nail drawings. This will prepare each student for the full gamut of drawings that professional interior designers must necessitate. The presentations of these projects meet a criteria for portfolio development. Average Materials Cost: $75.
Credit Hours: 3
Department: Marketing & Retailing

INT 203 - Presentation Techniques for Interior Designers
Corequisites: INT 101.
Description: This course develops and perfects the rendering skills necessary to allow learners graphic expression of interior space. Client presentation technique, visual skills and scale modeling are emphasized as well as materials and coordination.
Credit Hours: 3
Department: Marketing & Retailing

INT 206 - Interior Design Working Drawings
Prerequisites: INT 101, INT 102, INT 104, INT 201, ENS 101, ENS 105, ART 111, CET 101.
Corequisites: INT 103, INT 105, INT 107, CET 107.
Description: Must be an Interior Design Major. This course teaches the student to prepare a set of working drawings for use by a contractor and / or architect. Architectural drafting techniques, schedules, specifications of materials and finishes, principles of door window and cabinet detailing are included. The learner will survey architectural drawings and identify with the conventions employed by architects, engineers and building trades. Materials Fee. Enrollment limited to Interior Design students.
Credit Hours: 3
Department: Marketing & Retailing
COURSE DESCRIPTIONS

Credit Hours: 3
Department: Marketing & Retailing

INT 215 - Kitchen and Bath Design II
Prerequisites: INT 101, ENS 101, CET 101, INT 115, MKT 170.
Description: This course offers the Kitchen and Bath design professional a guide to be used in the planning of Kitchen and Bath at an advanced level. The focus of this course is to enforce the design elements of kitchen and bathroom design and learn the parameters for both universal and sustainable design as applies to kitchen and bath installations. This course enables the kitchen and bath professional to make the proper choices in planning and installing kitchens and baths. The learner will understand the value and techniques of designing universal and sustainable areas suitable to the needs of a client. Each student will learn to create and maintain a design portfolio of projects showing skill and ability to successfully prepare a design presentation. Student must be enrolled in the Kitchen and Bath Design Certificate Program.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Please Contact Department
Credit Hours: 3
Department: Marketing & Retailing

Italian

ITA

ITA 101 - Beginning Italian I
Prerequisites: Satisfactory completion of ENG 001 and RDG 002.
Description: This is the first course in the ITA 101-ITA 102 sequence. Fundamentals of grammar, pronunciation, culture and conversation. Reading, writing, listening comprehension, and simple conversational patterns. This course is not intended for students of Italian speaking background. Laboratory fee applies. Laboratory component required.
SUNY GEN ED-GFOL; NCC GEN ED-HUM, WESH
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Foreign Languages

ITA 102 - Beginning Italian II
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. ITA 101 or equivalent.
Description: This is the second course in the ITA 101-ITA 102 sequence. Fundamentals of grammar, pronunciation, culture and conversation. Reading, writing, listening comprehension, and simple conversational patterns. Laboratory fee applies. Laboratory component required.
SUNY GEN ED-GFOL; NCC GEN ED-HUM, WESH
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Foreign Languages

ITA 201 - Intermediate Italian I
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. ITA 102 or equivalent.
Description: This is the first course in the ITA 201-ITA 202 sequence. Development of listening, speaking, reading and writing skills. Conversation and writing practice stimulated through a wide variety of cultural materials. Laboratory fee applies. Laboratory component required.
SUNY GEN ED-GFOL; NCC GEN ED-HUM, WESH
Offered: Fall
Credit Hours: 3
Department: Foreign Languages

ITA 202 - Intermediate Italian II
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. ITA 201 or equivalent.
Description: This is the second course in the ITA 201-ITA 202 sequence. Development of listening, speaking, reading and writing skills. Conversation and writing practice stimulated through a wide variety of cultural materials. Laboratory fee applies. Laboratory component required.
SUNY GEN ED-GFOL; NCC GEN ED-HUM, WESH
Offered: Spring
Credit Hours: 3
Department: Foreign Languages

ITA 301 - Advanced Italian I
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. ITA 202 or equivalent.
Description: This is the first course in the ITA 301-ITA 302 sequence. More complex grammar, enrichment of vocabulary, and improvement of proficiency in speaking, reading, writing and translation, combining traditional methodology with a multimedia approach to literature and/or civilization. Class conducted in Italian.
SUNY GEN ED-GFOL; NCC GEN ED-HUM, WESH
Offered: Fall
Credit Hours: 3
Department: Foreign Languages

ITA 302 - Advanced Italian II
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. ITA 202 or equivalent.
Description: This is the second course in the ITA 301-ITA 302 sequence. More complex
Information Technology

ITE 101 - Introduction to Information Technology
Prerequisites: Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting this course.
Description: Students will not receive credit for both ITE 101 and CMP 103. This course offers a broad-based introduction to the field of Information Technology (IT) including its evolution, current trends and future directions. Students will be introduced to the various aspects of IT along with an understanding of the technical support that is provided to employees and organizations. IT fundamentals, operating systems and hardware, web development, networking, and information and database systems will be covered.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 3
Department: Math/Computer Science/Info Tec

ITE 153 - Operating Systems Management
Prerequisites: Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting this course.
Description: This course examines the fundamental role of operating systems as it relates to the interaction of hardware and application software. Students will learn core operating system technologies including installing, configuring, and maintaining operating systems for client workstations in both networked and non-networked environments. Students will obtain a basic understanding of hardware components, desktop components and interfaces. They will learn how to use various system administration tools and utilities to manage an operating system. Emphasis is placed on creating a computing environment for users which will maximize productivity and minimize workstation problems. Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 4
Department: Math/Computer Science/Info Tec

ITE 154 - Web Programming I
Prerequisites: At least a C or better in both CSC 104 and ITE 101. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting this course.
Description: This course is an introduction to the fundamentals of programming using a modern object-oriented scripting language such as JavaScript. Object-oriented and fundamental programming concepts are covered along with events, event handlers, both built in functions and user-defined functions, predefined and user-defined objects, web form validation and browser considerations. Projects and assignments will mirror real-world applications and usage.
Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 3
Department: Math/Computer Science/Info Tec

ITE 204 - Java Programming
Prerequisites: A grade of C or better in ITE 154. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.
Description: This course is an introduction to object-oriented programming using the Java programming language. Students will become familiar with the concepts of objects and classes, inheritance, polymorphism, and encapsulation. Topics include creating graphical user interfaces, servlets, networking, and exception handling. Optional topics include applets and multi-threading. Students who have completed CMP 218 will not get credit for ITE 204. (4.5 lecture hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 4
Department: Math/Computer Science/Info Tec

ITE 223 - Network Management I
Prerequisites: A grade of C or better in ITE 153; concurrency with ITE 213 permitted. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.
Description: This course is designed to cover fundamental and advanced concepts in network theory and system administration. Use of the network operating system in planning and management of directory services and network file systems are stressed. Additional topics include: setting up and maintaining user accounts, protecting network data, network printing, management of devices, application software, workstation management, data communications and network security. This course contains knowledge units typically needed for professional certification. The lab portion of the course incorporates a widely used network operating system by Novell and/or Microsoft. Students who have completed CMP 208 will not get credit for ITE 223. (4.5 lecture hours). Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 4
Department: Math/Computer Science/Info Tec

ITE 252 - Database Management
Prerequisites: A grade of C or better in both CSC 104 and ITE 101. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.
Description: This course is an introduction to database processing for business applications. Emphasis is placed on the design, implementation and administration of database systems. Students will be introduced to the various database management systems available and their usage. Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 4
Department: Math/Computer Science/Info Tec
of a database as well as the use of Structured Query Language (SQL). Students will develop applications using a popular DBMS software package. Students who have completed CMP 252 will not get credit for ITE 252. (4.5 lecture hours) Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring

Credit Hours: 4

Department: Math/Computer Science/Info Tec

ITE 253 - Network Management II

Prerequisites: A grade of C or better in ITE 223. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

Description: This course is designed to cover advanced concepts in network configuration and implementation. Topics include methods of installation, and upgrading of server operating system software along with implementation, merging and integration techniques. Configuration and applications of multiple protocols including, Web server and File Transfer Protocol (FTP) services, will also be discussed. This course contains knowledge units typically needed for professional certification. This course will incorporate a widely used network operating system by Novell and/or Microsoft. Students who have taken CMP 209 will not get credit for ITE 253. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring

Credit Hours: 3

Department: Math/Computer Science/Info Tec

ITE 254 - Web Programming II

Prerequisites: A grade of C or better in ITE 204. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting this course.

Description: This course offers students advanced instruction in web programming via server-side and client-side programming languages and database integration. Students develop interactive web pages to understand how web professionals build e-commerce and search sites in the job marketplace. Languages PHP, JSP, and CSS are used and integrated with MySQL. Various development tools are explored. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring

Credit Hours: 3

Department: Math/Computer Science/Info Tec

ITE 264 - Applications Development

Prerequisites: A grade of C or better in ITE 252 and ITE 204 or CMP 219 or permission of the Department; concurrency with ITE 252 permitted. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

Description: This course introduces to the student computer programming using a GUI (Graphical User Interface) programming language. Business and information system applications are developed using Visual Basic.NET. The course provides the concepts of event-driven programming, terms, rules, and programming components for database application development. Students who have completed CMP 214 will not get credit for ITE 264. Laboratory fee applies. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring

Credit Hours: 3

Department: Math/Computer Science/Info Tec

Japanese

JPN

JPN 101 - Beginning Japanese I

Prerequisites: Satisfactory completion of ENG 001 and RDG 002.

Description: Fundamentals of grammar, pronunciation, culture and conversation. Reading, writing, listening comprehension and simple conversational patterns. Laboratory component required. SUNY GEN ED-GFOL; NCC GEN ED-GLNW, HUM, PLDI, WESH Offered: Fall, Winterim, Spring, Summer

Credit Hours: 3

Department: Multidisciplinary Studies

JWS 101 - Introduction to World Jewish Studies

Description: This course introduces students to the multicultural diversity of the Jewish community. By reading, viewing, and discussing historical and contemporary material, students learn about Jewish traditions and cultures, including Mizrahi (Eastern, African), Sephardi (Iberian), Ashkenazi (non-Iberian European). Students explore the global spectrum of Jewish experience and identity. SUNY GEN ED-n/a; NCC GEN ED-n/a Offered: Fall, Spring

Credit Hours: 3

Department: Multidisciplinary Studies

JWS 102 - Jews in Biblical and Medieval Cultures

Description: This course examines Jewish life and culture, from the Biblical period in the Middle East through the Renaissance in Europe, including Mizrahi and Shephardic populations. We begin with Jewish origins and identities, noting how the earliest Jewish communities developed and changed. We consider specific challenges, such as the destruction of the temples and life in the diaspora, as Jews settled and struggled in foreign lands. With attention to an emerging global Jewish community, the course employs primary and secondary sources from multiple disciplines, including literature, music, and art. SUNY GEN ED-n/a; NCC GEN ED-GLNW, HUM, PLDI, WESH Offered: Fall, Winterim, Spring, Summer

Credit Hours: 3

Department: Multidisciplinary Studies

JWS 104 - Jews in the Modern World

Description: This course identifies Jewish responses to modernity from interdisciplinary and multicultural perspectives. We examine the impact of the Enlightenment on traditional communities, including the effects of the new

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conceptual frameworks such as Chassidism, Reform Judaism, Zionism, and Feminism. Using primary and secondary sources from a variety of disciplines, students learn how Jewish identity has been defined and redefined in evolving cultural contexts.

SUNY GEN ED-n/a; NCC GEN ED-GLNW, HUM, PLDI, WESH
Offered: Fall, Winterim, Spring, Summer

Credit Hours: 3
Department: Multidisciplinary Studies

**Latin American Studies**

**LAS**

**LAS 101 - Introduction to Latin American Studies**

Description: This course introduces students to the interdisciplinary study of the diverse nations, traditions, experiences, and concerns of the peoples in Latin America. Class, race, and ethnicity issues, gender, language, and identity will be explored through a variety of media. Sociological, political, literary, historical, and theoretical contexts will frame the examination of subjects such as family, religion, ideological perspectives, (neo) colonialism, labor, the state, the economy, the environment, and the arts.

SUNY GEN ED-n/a; NCC GEN ED-GLNW, PLDI, WESH
Offered: Fall, Spring, Summer

Credit Hours: 3
Department: Multidisciplinary Studies

**LAS 105 - Introduction to Latino/a American Studies in the U.S.**

Description: This course is an introduction to the interdisciplinary study of Latinas and Latinos in the U.S. Students will examine the integration of various groups such as Puerto Rican, Mexican-American, Cuban, and Central American into a large society; the diverse contributions made by and issues facing the communities: immigration, assimilation, racism, identity, bilingualism, generational differences, political representation, social and economic status, education, and forms of art; music and entertainment.

SUNY GEN ED-n/a; NCC GEN ED-PLDI
Offered: Spring

Credit Hours: 3
Department: Multidisciplinary Studies

**LAS 222 - Latin American Literature**

Prerequisites: ENG 102 or ENG 109.
Description: (Dual Listed with ENG 222)

This course introduces students to the range of traditions that comprise the literatures of Latin America. It will examine literary productions in specific cultural and historical contexts. Spanish, Portuguese, and Francophone literature, as well as indigenous works from such countries as Brazil, El Salvador, Argentina, Cuba, Puerto Rico, and Mexico will be studied in translation. Writing is an integral component of this course. This course may not be used for foreign language credit.

SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT, PLDI
Offered: Fall, Spring

Credit Hours: 3
Department: Multidisciplinary Studies

**Latin**

**LAT**

**LAT 101 - Beginning Latin I**

Prerequisites: Satisfactory completion of ENG 001 and RDG 002.
Description: The essentials of Latin grammar and vocabulary. Selected readings from prose authors. Laboratory fee applies. Laboratory component required.

SUNY GEN ED-GFOL; NCC GEN ED-HUM, WESH
Offered: Fall

Credit Hours: 3
Department: Foreign Languages

**LAT 102 - Beginning Latin II**

Prerequisites: Satisfactory completion of ENG 001 and RDG 002. LAT 101 or equivalent.
Description: The essentials of Latin grammar and vocabulary. Selected readings from prose authors. Laboratory fee applies. Laboratory component required.

SUNY GEN ED-GFOL; NCC GEN ED-HUM, WESH
Offered: Spring

Credit Hours: 3
Department: Foreign Languages

**Legal Studies**

**LAW**

**LAW 103 - Business Law I**

Description: An overview of the law and the American legal system and court structure; an extensive study of the basic principles of the law of contracts, sales, and security devices.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer

Credit Hours: 3
Department: Legal Studies

**LAW 104 - Business Law II**

Prerequisites: LAW 103.
Description: The legal aspects of business including basic principles of real and personal property, bailments, wills and intestate succession. It will also cover business arrangements including partnerships, corporations, limited liability companies as well as commercial paper.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer

Credit Hours: 3
Department: Legal Studies

**LAW 105 - Introduction to Current Law**

Description: The course explores the structure and function of our judicial system, focusing on basic areas of civil law including those dealing with employment, housing, marriage, contracts and banking. Legal transactions such as wills, mortgages and leases will be analyzed. The course prepares students for the myriad of real life situations they will encounter. For non-business majors only.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring

Credit Hours: 3
Department: Legal Studies

**LAW 106 - Sports and the Law**

Description: Understanding the law in connection with the world of sports is important because the business of sports is a multibillion dollar industry that provides a variety of employment opportunities. Through the subject of sports, the course will cover topics in the law such agency, contracts, torts, crimes, discrimination towards women and persons with disabilities, international law, antitrust and labor law, intellectual property and alternative dispute resolution.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring

Credit Hours: 3
Department: Legal Studies

**LAW 107 - Hotel Management Law**

Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Intermittently

Credit Hours: 3
Department: Legal Studies

**LAW 201 - The Nature and Functions of Law**

Description: (Honors and non-Honors section) A study of the origins and evolution of law in America. Our legal institutions and judicial systems will be examined. Contemporary legal
COURSE DESCRIPTIONS

issues will be explored. The student will learn to appreciate how law helps us to resolve our conflicts and address our problems through various legal techniques. This course will not focus on specific laws and rules, but rather on understanding the nature of law, how it affects us and what its limitations are.

SUNY GEN ED-n/a; NCC GEN ED-PLDI
Offered: Fall, Spring
Credit Hours: 3
Department: Legal Studies

LAW 203 - Environmental Law, Policy & Sustainability
Description: This course will explore the evolution of environmental law and policy focusing on the creation, implementation and interpretation of legislative enactments and administrative regulations. The impact of governmental policies on human needs and our natural resources will be examined. Students will gain familiarity with current issues and case law dealing with environmental disruption, sustainability and corporate social responsibility.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Intermittently
Credit Hours: 3
Department: Legal Studies

LAW 300 - Introduction to Law and the Legal System
Description: A study of the American legal system, including its historical development and judicial structure. The course will emphasize legal process, reasoning, and analysis. The student will also learn about the paralegal profession, including its ethical responsibilities.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Legal Studies

LAW 301 - Litigation
Prerequisites: LAW 305.
Description: A study of the lawsuit with an emphasis on pleadings. The student will study and will be required to prepare such documents as the summons, complaint, answer, interrogatories, motions, orders to show cause, and orders. Some of the other topics to be covered are pretrial settlements, releases, and enforcement of judgments.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Legal Studies

LAW 302 - Partnerships and Corporations
Prerequisites: LAW 305.
Description: An in-depth study of the law of partnerships, corporations, and limited liability entities. An analysis will be made of the creation of the partnership as well as its termination. New York State corporate requirements will be analyzed with a view of the creation and termination of the corporation. The student will be required to prepare the various partnership and corporation agreements and documents.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Legal Studies

LAW 303 - Estates and Administration
Prerequisites: LAW 305.
Description: The study of wills, intestacy, and administrative proceedings. The student will study basic aspects of estate planning, will preparation, probate, and administration.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Legal Studies

LAW 304 - Real Property
Prerequisites: LAW 305.
Description: A study of the various types of real property relationships and transactions. Such areas as contracts, deeds, mortgages, leases, and title searches will be reviewed. The student will be required to prepare the various real property documents, compute closing adjustments, and prepare closing statements.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Legal Studies

LAW 305 - Legal Research and Writing
Prerequisites: LAW 300.
Description: The course will serve two functions: first, to teach the paralegal to use a library effectively in conducting legal research; and second, to prepare a written memorandum dealing with the results of this research.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Legal Studies

LAW 306 - Practicum
Prerequisites: All LAW courses in Paralegal Program. Permission of instructor required.
Description: Supervised practical experience in a law firm or law-related institution.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Legal Studies

LAW 307 - Torts and Personal Injury Law
Prerequisites: LAW 301 and LAW 305.
Description: An in-depth study of the Law of torts with emphasis on negligence. This course will familiarize students with the negligence litigation process and the practical aspects of assisting attorneys in the personal injury field.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Legal Studies

LAW 308 - Family Law
Prerequisites: LAW 305.
Description: A study of the marriage relationship, legal problems with children, dissolution of marriage, custody, legitimacy, adoption, change of name, guardianship, support, court procedures and separation agreements.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Legal Studies

LAW 309 - Law Office Management
Prerequisites: LAW 300
Corequisites: LAW 300
Description: Introduction to basic concepts of Law office management for the Paralegal, including an examination of Law office structure, management principles, and legal ethics. In addition, the course will include an introduction to computer utilization in litigation support, legal research and case management. Students must be familiar with word processing or enroll in ABT 109 prior to taking this course.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Legal Studies

LAW 310 - Bankruptcy/Debtor and Creditor Law
Prerequisites: LAW 305.
Description: Introduction to the basic concepts of bankruptcy Law, including the Paralegal's role in the preparation and filing of necessary documents for Chapters 7, 11, and 13 bankruptcy cases. In addition, the student will be instructed in the use of current computer software in bankruptcy practice.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Legal Studies

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**Credit Hours:** 3  
**Department:** Legal Studies

**LAW 311 - Legal Writing and Analysis**  
**Prerequisites:** LAW 300 and LAW 305.  
**Description:** This course will emphasize the development of legal writing skills for the paralegal. The student will draft letters, briefs, memoranda, and other documents used in legal practice. The students will learn the mechanics of legal writing, stressing clear and concise expression, citation, and terminology.  
SUNY GEN ED-n/a; NCC GEN ED-n/a  
Offered: Fall, Spring, Summer  
**Credit Hours:** 3  
**Department:** Legal Studies

**LAW 312 - Elder Law**  
**Prerequisites:** LAW 300 and LAW 305.  
**Description:** LAW 312, Elder Law, will provide the student with knowledge of the basic concepts of elder law, including the paralegal's role in the preparation and filing of necessary legal documents such as power of attorney forms, health care proxies, living wills, advance directives and last wills and testaments. It will also focus on such topics as guardianships, health care decision making, Medicaid, long-term care housing options, various tax issues, social security and elder abuse.  
SUNY GEN ED-n/a; NCC GEN ED-n/a  
Offered: Fall, Spring, Summer  
**Credit Hours:** 3  
**Department:** Legal Studies

**LAW 315 - The United States Judicial System**  
**Prerequisites:** Students must have completed all remedial courses, have a minimum GPA of 2.5 and completion of 15 college credits. Prospective students must be interviewed by the instructor. Special expenses for students may include airfare or other forms of transportation to and from select destinations, lodging, transfers and special meals for approximately two weeks.  
**Description:** This domestic study course will examine the role, challenges and inner workings of the United States Court System. Students will have an opportunity to view trials and oral arguments in state and federal courts throughout the country and will visit legislative bodies and offices of court administration. Students will develop an understanding of court procedures, protocols and various aspects of civil and criminal law and will be able to compare, contrast and differentiate trial and appellate courts on the state and federal level. Discussions with court personnel, judges and government officials are planned. This course may be offered during the winter and summer sessions only.  
SUNY GEN ED-n/a; NCC GEN ED-n/a  
Offered: intermittently  
**Credit Hours:** 3  
**Department:** Legal Studies

**LAW 316 - The U.S. and International Legal Systems**  
**Description:** The travel/study course explores the roots of the American Legal System from its origins in English common law to its current role in international law. The workings of the English Courts of law, the European Parliament and the International Court of Justice will be studied. The course involves travel to some or all of the locations of the European legal system including the United Kingdom, Brussels, Belgium (home of the European Union) and the Hague in the Netherlands (site of the International Court of Justice), and Strasbourg, France depending on the Courts availability. Expenses include airfare, lodging, meals and transportation between locations.  
Offered: Spring (Second Half Session)  
**Credit Hours:** 3  
**Department:** Legal Studies

**Library**

**LIB**

**LIB 100 - Essential Research for College Success**  
**Description:** This course introduces students to the research process: the organization, location, evaluation and ethical use of information using print, non-print and electronic resources. Through hands-on active learning activities, students will gain an understanding of basic research and information literacy skills that will aid them in college-level work and lifelong learning.  
SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
**Credit Hours:** 1  
**Department:** Library

**LIB 101 - Introduction to Research**  
**Description:** Students develop information literacy through the selection, location, evaluation and ethical use of information sources and systems for college work and lifelong learning. Hands-on, active learning sessions familiarize students with print and digital resources, including books, periodicals, audiovisual materials, online databases and the Internet. Critical thinking projects that provide in-depth exploration of the research process reinforce skills required for academic work and college-level research projects.  
SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
**Credit Hours:** 3  
**Department:** Library

**LNC**

**Logistics and Transportation Management**

**LOG**

**LOG 101 - Principles of Logistics and Management I**  
**Prerequisites:** Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.  
**Description:** Development of the modes of transportation; economic, social and political systems within which the various modes of transportation operate and the effect of these modes on the transportation of goods and passengers; analysis of present challenges and opportunities facing the railroads, airlines, motor carriers, water carriers, pipelines and third parties (forwarders, brokers, etc.); emerging concepts and technologies. The student is introduced to the concept of the systems approach to distribution and logistics management, including existing and emerging communications systems. Also reviewed is regulation and deregulation affecting national and international transportation.  
SUNY GEN ED-n/a; NCC GEN ED-n/a  
Offered: On Occasion  
**Credit Hours:** 3  
**Department:** Math/Computer Science/Info Tec

**LOG 102 - Principles of Logistics and Management II**  
**Prerequisites:** LOG 101 or permission of the Department. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.  
**Description:** Further analysis of the issues related to the shipper, carrier and consignee of goods; documentation; responsibility and liabilities of shippers, carriers and third parties; handling of claims; routing; types of regulation and deregulation and the regulatory agencies; procedures used in determining freight rates and services. The student is made aware of some of the more complicated issues associated with distribution and logistics management, including the planning and
evaluation of its effectiveness. Simulations of these concepts are discussed at length.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: On Occasion

Credit Hours: 3
Department: Math/Computer Science/Info Tec

LOG 103 - Systems of Intermodal Transportation
Prerequisites: LOG 101 and LOG 102 and MAT 102. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

Description: Overall description of various modes of transportation and logistics systems as they relate to statistical and mathematical models and computer simulations to determine optimum operating conditions and opportunities under which modal and intermodal transportation systems exhibit economically efficient performances. Includes game theory analysis of alternative situations.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: On Occasion

Credit Hours: 3
Department: Math/Computer Science/Info Tec

LOG 104 - Railroad and Motor Carrier Transportation and Logistics
Prerequisites: LOG 101 or LOG 102 and MAT 102. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

Description: Development of railroad and motor carrier transportation; importance of intermodalism and communications; types of services rendered; equipment utilized; rates; rules, regulations, and insurance; routing techniques and optimization; analysis of operations and current problems utilizing stochastic models, queuing theory and computer simulations; emerging concepts and technologies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: On Occasion

Credit Hours: 3
Department: Math/Computer Science/Info Tec

LOG 105 - Water and Airline Transportation and Logistics
Prerequisites: LOG 103. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

Description: Development of water and air transportation; importance of intermodalism and communications; port and airport operations; services provided; equipment used; rate and service structures and formulation, rules, regulations, insurance, routing techniques and optimization; analysis of operations and competitive alternatives utilizing stochastic models, modal split models, queuing theory and computer simulations.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: On Occasion

Credit Hours: 3
Department: Math/Computer Science/Info Tec

LOG 106 - Intermodal Transportation and Logistics in International Trade
Prerequisites: LOG 101 or LOG 102. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

Description: Overall description of various modes of transportation and logistics systems as they relate to statistical and mathematical models and computer simulations to determine optimum operating conditions and opportunities under which modal and intermodal transportation systems exhibit economically efficient performances. Includes game theory analysis of alternative situations.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: On Occasion

Credit Hours: 3
Department: Math/Computer Science/Info Tec

LOG 107 - Intermodalism and Transportation Regulations
Prerequisites: LOG 102. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

Description: International, Federal and state regulations; response to deregulation; regulatory agencies and penalties for violations; economic and constitutional background of transportation regulations; emerging policies and their impact on present and near term transportation and logistics operations.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: On Occasion

Credit Hours: 3
Department: Math/Computer Science/Info Tec

MAT 100 - A Topical Approach to Mathematics
Prerequisites: Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

Description: Fundamental Mathematics topics and their applications. Topics include: problem solving, number systems, geometry, consumer mathematics, mathematical modeling, probability, management science, and social choice and decision making. A scientific calculator is required. (4.5 lecture hours)
Students will not receive credit for both MAT 100 and MAT 114.
SUNY GEN ED-GMAT; NCC GEN ED-MATH
Offered: Fall, Winterim, Spring, Summer

Credit Hours: 4
Department: Math/Computer Science/Info Tec

MAT 001 - College Preparatory Mathematics
Description: A non-credit course required of students not meeting the entrance requirements in Mathematics. Topics include: Integers and rational numbers, fundamental operations with integers, fractions and decimals, ratio and proportion, percent, consumer and job related problems. Hand-held calculators will be used (3 lecture hours).
SUY GE-n/a; NCC GEN ED-n/a
Offered: Fall, Winterim, Spring, Summer

Credit Hours: 0
Department: Math/Computer Science/Info Tec

MAT 002 - Introductory Algebra
Prerequisites: Satisfactory completion of MAT 001 or by college placement test.

Description: A non-credit course required of students having deficiencies in Mathematics. Topics include: fundamental processes of arithmetic and algebra, factoring, linear and fractional equations, exponents, radicals, quadratic equations and right triangle trigonometry. Hand-held calculators will be used (4.5 lecture hours).
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Winterim, Spring, Summer

Credit Hours: 0
Department: Math/Computer Science/Info Tec

MAT 003 - Integrated Arithmetic and Introductory Algebra
Description: A non-credit course that is a one-semester option to replace the two-semester sequence of MAT 001 and MAT 002. All students with a MAT 001 placement who have not previously taken this course are eligible. This course cannot be repeated. Arithmetic and algebra will be integrated throughout the semester. Emphasis will be placed on fundamental operations of integers and rational numbers, ratio and proportion, percents, factoring, linear and fractional equations, exponents, radicals, quadratic equations, and right triangles. Various relationships will be explored both graphically and analytically. Hand-held calculators will be used (6 lecture hours).
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Winterim, Spring, Summer

Credit Hours: 0
Department: Math/Computer Science/Info Tec

Mathematics
**COURSE DESCRIPTIONS**

**Department: Math/Computer Science/Info Tec**

**MAT 101 - Concepts of Mathematics**

**Prerequisites:** Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

**Description:** Topics include: formal symbolic logic, arguments, methods of proof; basic concepts of sets, set operations and probability. Consideration of number systems and computers.

SUNY GEN ED-GMAT; NCC GEN ED-MATH

Offered: Fall, Winterim, Spring, Summer

**Credit Hours:** 3

**Department: Math/Computer Science/Info Tec**

**MAT 102 - Introduction to Statistics**

**Prerequisites:** Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

**Description:** *See calculator note in catalog.* Appropriate and inappropriate uses of statistics, measures of central tendency and variability, basic concepts of probability, the binomial, normal and \( t \) distributions, testing hypotheses, estimation, chi-square, linear regression, and correlation.

SUNY GEN ED-GMAT; NCC GEN ED-MATH

Offered: Fall, Winterim, Spring, Summer

**Credit Hours:** 3

**Department: Math/Computer Science/Info Tec**

**MAT 103 - Applied Statistics**

**Prerequisites:** Students are to be placed into MAT 103 by the following:

**Description:** At least a \( C \) in MAT 102. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

A course for students concentrating in liberal arts, social science, humanities, and statistics. Through the use of computer software packages such as Excel, Lotus 1-2-3, Statistical Package for the Social Sciences (SPSS), and Minitab, the basic and more advanced ideas of descriptive and inferential statistics are studied.

SUNY GEN ED-GMAT; NCC GEN ED-MATH

Offered: Fall, Winterim, Spring, Summer

**Credit Hours:** 3

**Department: Math/Computer Science/Info Tec**

**MAT 109 - Algebra and Trigonometry**

**Prerequisites:** Students are to be placed into MAT 109 by the following:

**Description:** College Placement Test (For some students whose College Placement Test scores allow for MAT 109. MAT 002 might be recommended prior to taking MAT 109)

Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

*See calculator note in catalog.* This course considers fundamental ideas from algebra, trigonometry, and geometry. A problem solving approach is used. (4.5 lecture hours)

SUNY GEN ED-GMAT; NCC GEN ED-MATH

Offered: Fall, Winterim, Spring, Summer

**Credit Hours:** 4

**Department: Math/Computer Science/Info Tec**

**MAT 111 - Pre-Calculus**

**Prerequisites:** Students are to be placed into MAT 111 by the following:

**Description:** College Placement Test or at least a \( C \) in MAT 109 or MAT 116.

Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

*See calculator note in catalog.* A primer course for the study of Calculus. The function concept plays the unifying role in the study of polynomial, rational, exponential, logarithmic, and trigonometric functions. The modeling of elementary functions is stressed and topics are presented graphically, numerically, analytically, and verbally (following the Rule of Four). Technological support using a graphing calculator is integrated throughout the semester. In addition, appropriate computer software may also be available. (4.5 lecture hours)

SUNY GEN ED-GMAT; NCC GEN ED-MATH

Offered: Fall, Winterim, Spring, Summer

**Credit Hours:** 4

**Department: Math/Computer Science/Info Tec**

**MAT 112 - Calculus with Applications in Business and Social Sciences**

**Prerequisites:** Students are to be placed into MAT 112 by the following:

**Description:** College Placement Test or at least a \( C \) in MAT 111 or MAT 117

Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

*See calculator note in catalog.* This course is not recommended for Math, Engineering, Science or Computer Science students and it does not satisfy the prerequisite for MAT 123. This course is intended to introduce the fundamental concepts and techniques of calculus to the non-science student. Special emphasis is given to applications in Business and Social Sciences. Topics include functions and graphs; the derivative and differentiation techniques of algebraic, exponential and logarithmic functions of a single variable; the concept of margin in economics; elasticity of demand; differentials; related rates and optimization problems; growth and decay applications; integrals and integration techniques; application of integrals, including producer’s and consumer’s surplus; income streams, probability. (4.5 lecture hours)

SUNY GEN ED-GMAT; NCC GEN ED-MATH

Offered: Fall, Winterim, Spring, Summer

**Credit Hours:** 4

**Department: Math/Computer Science/Info Tec**

**MAT 114 - Foundations of Mathematics for Educators**

**Prerequisites:** Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

**Description:** This course is intended for students who are interested in teaching at the elementary school level. Topics will include a development of binary algorithms, the real numbers, field properties of the real number system as applied to abstract mathematical systems, numerations systems, functions and equivalence relations, solving systems of algebraic equations and number theory including some algebraic proof. Applications, historical perspectives, problem solving, and use of the technology will be emphasized in all topics. Students will not receive credit for both MAT 100 and MAT 114. (3.0 lecture hours)

SUNY GEN ED-n/a; NCC GEN ED-MATH

Offered: Fall, Winterim, Spring, Summer

**Credit Hours:** 3

**Department: Math/Computer Science/Info Tec**

**MAT 116 - Engineering Technical Math I**

**Prerequisites:** Two years of Regents H.S. mathematics, with at least a 78% on Math A Regents; or at least a 75% average in two years of Regents H.S. mathematics, or satisfactory completion of MAT 002. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

**Description:** *See calculator note in catalog.* Designed for students in Engineering Technology Programs. Operations with real numbers; exponents and scientific notation; equations and inequalities; functions and graphs; system of equations and determinants; triangle trigonometry and introduction to general trig definitions; algebraic products and factoring; solving equations by factoring and quadratic formula; fractional equations and operations with algebraic fractions.

Nassau Community College: [http://collegecatalog.ncc.edu/current](http://collegecatalog.ncc.edu/current)
Applications are considered from various scientific, technical, and practical areas. (4.5 lecture hours) Students will not receive credit for both MAT 109 and MAT 116.

**MAT 117 - Engineering Technical Math II**

**Prerequisites:** Three years of Regents H.S. mathematics, with at least a 78% on Math B Regents; or at least a 75% average in three years of Regents H.S. mathematics (including trigonometry - i.e. Sequential 3); or at least a C in MAT 109 or MAT 116. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

**Description:** Designed for students in Engineering Technology. Rational exponents and radicals; functions and their graphs; polynomial, exponential, logarithmic and trigonometric functions; conic sections; introduction to derivatives and integrals. Applications are considered from various scientific, technical and practical areas. (4.5 lecture hours) Students will not receive credit for both MAT 111 and MAT 117.

**MAT 118 - Finite Mathematics: Quantitative Analysis**

**Prerequisites:** Students are to be placed into MAT 118 by the following:

**Description:** College Placement Test or at least a C in MAT 111 or MAT 117.

Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

**Credit Hours:** 4

**MAT 122 - Calculus I**

**Prerequisites:** Students are to be placed into MAT 122 by the following:

**Description:** College Placement Test or at least a C in MAT 111 or MAT 117.

Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

*See calculator note in catalog. Definitions of limit, continuity and derivative; rates of change, tangent to a curve, chain rule; derivatives of elementary functions, products, quotients; higher order, implicit and inverse differentiation; mean value theorem; maxima and minima; differentials; definition of the definite integral, Fundamental Theorem of Integral Calculus; applications; integration of elementary functions. (4.5 lecture hours) Students will not receive credit for both MAT 112 and MAT 122.

**MAT 123 - Calculus II**

**Prerequisites:** At least a C in MAT 122. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

**Description:** *See calculator note in catalog. Methods of integration; improper integrals, applications of the definite integral including volume and surface area of solids of revolution; introduction to mathematical modeling using differential equations; Euler's method; separation of variables; slope fields; introduction to infinite series. (4.5 lecture hours)

**MAT 131 - Probability with Statistical Inference**

**Prerequisites:** At least a C in MAT 123 (Calculus II). Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

**Description:** *See calculator note in catalog. Probability as a mathematical system: sample spaces, probability axioms, simple theorems. Permutations, combinations, Bayes theorem. Random variables; discrete and continuous probability and distribution functions: binomial, hypergeometric, Poisson, and normal distributions. Methods of estimation and hypothesis testing.
COURSE DESCRIPTIONS

SUNY GEN ED-n/a; NCC GEN ED-MATH
Offered: Spring, Summer

Credit Hours: 4

Department: Math/Computer Science/Info Tec

MAT 234 - Elementary Differential Equations

Prerequisites: At least a C in MAT 225. Students must have satisfied all MAT, ENG001 and RDG 001 remediation requirements prior to starting the course.

Description: *See calculator note in catalog. Analysis and methods of solving first-order equations, including numerical methods; higher order equations including the Laplace transform method, the Taylor series solution, and boundary value problems; linear systems of equations; applications to physical, engineering and life sciences.

SUNY GEN ED-n/a; NCC GEN ED-MATH
Offered: Fall, Winterim, Spring, Summer

Credit Hours: 3

Department: Math/Computer Science/Info Tec

MAT 235 - Algebraic Structures

Prerequisites: MAT 225. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

Description: Groups, rings, integral domains, and fields with applications to the integers, rationals, and the real and complex number systems.

SUNY GEN ED-n/a; NCC GEN ED-MATH
Offered: On Occasion

Credit Hours: 3

Department: Math/Computer Science/Info Tec

MAT 241 - Discrete Mathematical Structures

Prerequisites: MAT 122. Students must have satisfied all MAT, ENG 001 and RDG 001 remediation requirements prior to starting the course.

Description: Basic concepts of discrete mathematics: logic and set theory, proof techniques, relations, functions, combinations, recurrence relations, introduction to analysis of algorithms, and graph theory. Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-MATH
Offered: Fall, Winterim, Spring, Summer

Credit Hours: 3

Department: Math/Computer Science/Info Tec

Multi-Disciplinary Courses

MDC

MDC 101 - The Making of the Modern Mind I

Prerequisites: Completion of ENG 001 and RDG 001

Description: This course explores the foundations of 20th-century Western Modernism, powerful ideas that transformed human attitudes and brought revolutionary changes that still shape contemporary thought today. Topics include views of evolution, human nature, social conflict, and laws of the universe. The ideas of Darwin, Marx, Freud, Einstein and others are studied. (General Elective credit.)

SUNY GEN ED-GHUM; NCC GEN ED-WESH
Offered: Fall, Spring

Credit Hours: 3

Department: Multidisciplinary Studies

MDC 102 - The Making of the Modern Mind II

Prerequisites: Completion of ENG 001 and RDG 001

Description: This course examines how modern ideas contributed to global awareness and provided insight into psychology and human nature. Study the works of modern artists, writers, musicians and filmmakers; understand the roots of feminism, existentialism, science fiction, and the power of mass media. (MDC 101 useful but not a prerequisite. Earns Humanities credit.)

SUNY GEN ED-GHUM; NCC GEN ED-HUM, WESH
Offered: Fall, Spring, Summer

Credit Hours: 3

Department: Multidisciplinary Studies

MDC 110 - Studies in World Culture

Description: This course explores the diversity of human experience through case studies of Asian, Latin American, and Islamic cultures. A close look at the heritage of art, literature and religion in Egypt, Mexico and Japan illuminates issues that shape national identity and the position of these cultures in the world today. (General Elective credit.)

SUNY GEN ED-GOWC; NCC GEN ED-GLNW
Offered: Fall, Spring

Credit Hours: 3

Department: Multidisciplinary Studies

MDC 120 - Issues in Science Technology and Society

Description: This course introduces the student to the interrelationship of science, technology, and society through the study of selected issues, such as biodiversity, genetic engineering, and communications. The course examines how modern technology affects society and the environment, and also how social institutions shape the development and use of new science and technology. (General Elective credit.)

SUNY GEN ED-GHUM; NCC GEN ED-WESH
Offered: Fall

Credit Hours: 4

Department: Multidisciplinary Studies

MDC 130 - Major Ideas in the Post-Modern World

Prerequisites: Completion of ENG 001 and RDG 001

Description: This course follows the making of the modern mind into the 21st century, exploring post-modern thought in Western and non-Western societies. It examines the effects of diversity in the post-colonial and post-Cold War world, the effects on language and personal communication, the media, the arts, science and disease, medical ethics, and implications for future life on the planet. (MDC 101 and MDC 102 are helpful but not prerequisites. Earns Humanities credit.)

SUNY GEN ED-GHUM; NCC GEN ED-GLNW, HUM, PLDI
Offered: Fall, Spring

Credit Hours: 3

Department: Multidisciplinary Studies

Multi-Disciplinary Science Courses

MDS

MDS 101 - Connecting the Sciences - A Macroscopic Approach

Description: This course introduces basic concepts of biology, chemistry, physics, and geology in order to examine the evolution of life in the context of the evolution of the earth and the evolution of the universe. It develops an understanding of fundamental forces, conservation of energy, heat and temperature, light, stellar evolution, solar energy and photosynthesis, evolution of the earth and its atmosphere, and evolution of life. The many topics investigated include the existence of black holes, current theories of plate tectonics, and extinction of the dinosaurs. The course emphasizes hands-on laboratory investigations. (3 lecture, 3 laboratory hours) Laboratory fee applies.

SUNY GEN ED-GLAB; NCC GEN ED-LSCI

Credit Hours: 4
MKT 100 - Introduction to Marketing
Description: Principles and methods employed in all phases of the distribution of goods and services from the producer to consumer. Emphasis on marketing activities includes product planning, consumer behavior, advertising, and marketing research. An overview of the dynamics of marketing which acquaints the student with the general philosophies of the business world.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Winter, Spring, Summer
Credit Hours: 3
Department: Marketing & Retailing

MKT 101 - Business Mathematics
Description: May not be used for Mathematics requirement. The course encompasses the application of basic, standard and fundamental principles of mathematics to practical business situations. Typical problems and applications are drawn from business situations and practices.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Marketing & Retailing

MKT 102 - Connecting the Sciences - A Microscopic Approach
Description: Note that MDS 101 is not a prerequisite for this course. This course integrates the study of the physical and life sciences in order to understand the organization of atoms into living and non-living structures to explore the threshold between the animate and inanimate. The goal is to examine the physics chemistry and biology of a living cell and contrast these cells with inanimate crystals. Students will gain an understanding of atomic and molecular interactions, organic and inorganic molecules, crystals and crystal growth, cellular structure, nucleic acids, and genetic engineering. The course emphasizes hands-on laboratory investigations. (3 lecture, 3 laboratory hours) Laboratory fee applies.)
SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Credit Hours: 4
Department: Engineering/Physics/Tech

Marketing

MKT 103 - Principles of Sales
Description: Techniques involved in retail, wholesale, and industrial level sales situations; personal requirements needed for success in the sales field; discussion of resume writing and job interview techniques; customer prospecting, product knowledge, handling objections, and closing strategies. Instructor and students evaluate actual sales presentations.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Marketing & Retailing

MKT 105 - Sports Marketing
Description: This course will give the student a practical and wide ranging understanding of marketing principles as applied to today's rapidly growing field of sports marketing. An historical perspective of the industry will provide the necessary framework to gain insight into the present and future sports marketing environment. Topics include how colleges, individual athletes, pro and amateur teams, sports facilities, the Olympics and companies who manufacture sporting goods and related products successfully reach their target markets.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Marketing & Retailing

MKT 106 - Principles of Advertising
Description: An introductory course covering history, functions, principles, and applications of advertising. Topics include copywriting, selection of media, budgeting, print and broadcast production, and the role of the advertising agency and research. Students will develop an advertising campaign.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 3
Department: Marketing & Retailing

MKT 108 - Direct Response Marketing
Description: An introduction to the specialized field of direct response marketing. Topics include mail order entrepreneurship, product conception, marketing plans, use of mailing lists, media strategy, catalog development, creation of copy and graphics, case analysis and term project. Guest speakers from industry and/or field trips are scheduled.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 3
Department: Marketing & Retailing

MKT 112 - Small Business Marketing
Description: The success of the small business marketer is challenged by large multinational corporations. This course explores how to meet these challenges and overcome the obstacles presented in the current marketing environment. Particular emphasis is placed on the development of guerrilla marketing techniques that small business enterprises can employ. Topics include: building a powerful marketing plan, using e-commerce, building a competitive advantage, recognizing cultural diversity, integrating marketing and pricing strategies, choosing the right location and layout, and using small business marketing plans for globalization.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Marketing & Retailing

MKT 130 - Marketing Research
Prerequisites: MKT 100.
Description: Techniques of marketing research and other applications to practical marketing problems; information gathering methods, questionnaire formulation, sampling, and report writing. Includes an actual research study, which will be conducted by students.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Marketing & Retailing

MKT 134 - Sales Management
Prerequisites: MKT 103.
Description: Students investigate the dynamics of managing the selling function. Case analysis and role playing exercises are utilized to develop better understanding of the importance of planning, organizing, directing, and controlling the sales department.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 3
Department: Marketing & Retailing

MKT 136 - Marketing Management
Prerequisites: MKT 100.
Description: Management and coordination of marketing functions, with special attention to product planning and development, pricing, communications, physical distribution, and channels of distribution. Students participate in a computerized competitive marketing strategy simulation.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Marketing & Retailing

MKT 138 - Public Relations
Description: Essentials of public relations practice as related to business problems.
COURSE DESCRIPTIONS

Organization of public relations work, analysis of major sectors of the public and application of latest public relations techniques.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Marketing & Retailing

MKT 142 - Field Training
Prerequisites: Permission of Department
Course Coordinator
Description: Students work for appropriate business firms, institutions and/or agencies to enrich the theoretical concepts previously developed in the classroom.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Marketing & Retailing

MKT 145 - Consumer Motivation and Buyer Behavior
Description: This course is an overview of the processes and procedures of consumer research, segmentation of the American market according to demographic and psychological data. A description of the consumer movement and its impact on the marketing of goods and services to the American consumer will be covered.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Marketing & Retailing

MKT 155 - Introduction to International Marketing
Description: This course will introduce the student to the fundamentals of International/ Multinational Marketing. The course of study includes: The International Environment, International Marketing Activities, Global Marketing Management. It covers the channels of international distribution and the financial and logistical aspects of International Marketing.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 3
Department: Marketing & Retailing

MKT 160 - Customer Service
Description: This survey course will prepare the student for advanced study in the area of customer service. An extensive vocabulary of customer service terms will be developed and students will understand the basics of customer service, credit, collection, authorization services and fraud control.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3
Department: Marketing & Retailing

MKT 170 - Procedures and Salesmanship for Kitchen and Bath Designers
Prerequisites: INT 101, INT 104, INT 105, INT 115, ENS 101.
Description: Must be enrolled in the Kitchen and Bath Certificate Program. Completion of this course allows Kitchen and Bath Design students to demonstrate ethical knowledge of business practices including the NKBA Standards of Conduct in conjunction with common business contracts to be inclusive of NKBA business tools and forms. Students will develop an understanding of management policies including profit margin, business plans, human resource practices, marketing and advertising. Students will also learn the key presenting and selling techniques of successful designers and business professionals.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Please Contact Department
Credit Hours: 3
Department: Marketing & Retailing

MKT 600 - Cooperative Partnership with Industry
Prerequisites: Students required to take ENG 001, RDG 001, RDG 002, MAT 001, MAT 002 or MAT 003 must successfully satisfy all remedial requirements prior to taking this course. In addition, students must have completed a minimum of 12 credits and be in good academic standing. Permission of the instructor.
Description: The course provides supervised, practical, paid, full-time experience at institutions that offer students opportunities to which they apply concepts learned in the classroom. Written reports demonstrating understanding of theories and their applications are an integral part of the curriculum. Travel and living expenses may be incurred contingent upon placement.
SUNY GEN ED-n/a; NC GEN ED-n/a
Offered: Please Contact Department
Credit Hours: 6
Department: Marketing & Retailing

Mortuary Science

MSC

MSC 111 - Funeral Orientation
Description: The survey and study of funeral practices from the year 4000 B.C. in Egypt to the present in America.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 3
Department: Mortuary Science

MSC 112 - Public Health and Sanitation
Description: A survey of Public Health problems, organisms causing infectious diseases, agencies, etc.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 3
Department: Mortuary Science

MSC 124 - Anatomy for Embalmers I
Description: The first of two semesters covering human anatomy and physiology. Discussions of cells, tissues, organs, organ systems, the integument and detailed examination of the skeletal system. The heart, lymph and blood vascular systems are introduced. (2 lecture hours, 2 laboratory hours) Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring
Credit Hours: 3
Department: Mortuary Science

MSC 127 - Funeral Home Management
Description: A detailed study of management techniques and procedures used in the operation of a funeral home. This study will include an examination of broad-based goals and objectives required of a successful Funeral Home Manager. This course will then take a specific look at concepts and procedures designed to maximize the profitability of the funeral home operation. Topics such as employee relations, professional associates and client family relationships will be examined. The procedures related to management of disaster planning and multiple funeral industry cooperative procedures will be investigated as they pertain to recent industry innovations.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 3
Department: Mortuary Science

MSC 234 - Mortuary Law and Ethics
Description: A study of mortuary jurisprudence and business law. Application to professional and business aspects of funeral home operation.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 3
Department: Mortuary Science

MSC 235 - Anatomy for Embalmers II
Prerequisites: MSC 124.
COURSE DESCRIPTIONS

**Mortuary Science**

**MSC 245 - Funeral Directing with Practicum**

**Prerequisites:** MSC 237.

**Description:** A detailed study of management techniques and procedures used in the operation of a funeral home. A supervised practicum assignment at cooperating funeral homes is included. (3 lecture hours, 6 laboratory hours) Lab fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Fall, Spring

**Credit Hours:** 3

**Department:** Mortuary Science

**MSC 247 - Embalming Theory II**

**Prerequisites:** MSC 236.

**Description:** Lectures continuing with the principles, techniques, and practices of the embalming process. (2 lecture hours, 2 laboratory hours) Lab fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Spring

**Credit Hours:** 3

**Department:** Mortuary Science

**MSC 248 - Embalming Laboratory II**

**Prerequisites:** MSC 236.

**Corequisites:** MSC 247.

**Description:** Clinical experience continues in practical embalming processes taught at Bellevue Hospital in New York City. (4 laboratory hours) Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Fall, Summer

**Credit Hours:** 1.50

**Department:** Mortuary Science

**MSC 249 - Funeral Counseling and Psychology**

**Prerequisites:** PSY 203.

**Description:** An introductory study of behavioral emotions and needs of an individual that has recently experienced a death in the family or of a close friend. Counseling techniques and recommendations are introduced and discussed through the use of study groups and role playing. Practical situations are portrayed and analyzed. Selected current readings are discussed.

SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Spring

**Credit Hours:** 3

**Department:** Mortuary Science

**MUS**

**MUS 000 - Applied Music Master Class**

**Description:** A weekly performance class. Specifics of solo and ensemble performance practice are discussed. Studio performances by students, faculty and visiting artists and ensemble experiences (if appropriate) are given. (1 hour).

SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Fall, Spring

**Credit Hours:** 0

**Department:** Music

**MUS 037 - Preparatory Sight-Singing**

**Description:** Required course for students who wish to major in music but do not meet the Department's requirements. Pitch matching, sight-singing of simple diatonic melodies, concentrated work on rhythm, beginning melodic and rhythmic dictation.

SUNY GEN ED-n/a; NCC GEN ED-n/a

**Credit Hours:** 3

**Department:** Music

**MUS 041 - Preparatory Voice I**

**Description:** SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Fall, Spring

**Credit Hours:** 2

**Department:** Music

**MUS 042 - Preparatory Voice II**

**Description:** SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Fall, Spring

**Credit Hours:** 2

**Department:** Music

**MUS 043 - Preparatory Piano I**

**Description:** SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Fall, Spring

**Credit Hours:** 2

**Department:** Music

**MUS 044 - Preparatory Piano II**

**Description:** SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Fall, Spring

**Credit Hours:** 2

**Department:** Music

**MUS 045 - Preparatory Flute I**

**Description:** SUNY GEN ED-n/a; NCC GEN ED-n/a

Offered: Fall, Spring

**Credit Hours:** 2

**Department:** Music

**MUS 046 - Preparatory Flute II**

**Description:** SUNY GEN ED-n/a; NCC GEN ED-n/a

Nassau Community College: http://collegecatalog.ncc.edu/current
MUS 047 - Preparatory Oboe I
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 048 - Preparatory Oboe II
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 049 - Preparatory Clarinet I
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 050 - Preparatory Clarinet II
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 051 - Preparatory Bassoon I
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 052 - Preparatory Bassoon II
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 053 - Preparatory Saxophone I
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 054 - Preparatory Saxophone II
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 055 - Preparatory French Horn I
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 056 - Preparatory French Horn II
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 057 - Preparatory Trumpet I
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 058 - Preparatory Trumpet II
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 059 - Preparatory Trombone I
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 060 - Preparatory Trombone II
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 061 - Preparatory Baritone I
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 062 - Preparatory Baritone II
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 063 - Preparatory Tuba I
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 064 - Preparatory Tuba II
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 065 - Preparatory Percussion I
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 066 - Preparatory Percussion II
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 067 - Preparatory Violin I
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 068 - Preparatory Violin II
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 069 - Preparatory Viola I
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 070 - Preparatory Viola II
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 071 - Preparatory Violoncello I
Description: SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 072 - Preparatory Violoncello II
### COURSE DESCRIPTIONS

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<th>Department</th>
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<td>MUS 074</td>
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<td>MUS 081</td>
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<td>MUS 082</td>
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<td>MUS 106</td>
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**Description:** SUNY GEN ED-n/a; NCC GEN ED-n/a

**Credit Hours:** 2

**Department:** Music

**MUS 081 - Preparatory Electric Bass I**

*Description:* SUNY GEN ED-n/a; NCC GEN ED-n/a

*Offered:* Fall, Spring

**Credit Hours:** 2

**Department:** Music

**MUS 082 - Preparatory Electric Bass II**

*Description:* SUNY GEN ED-n/a; NCC GEN ED-n/a

*Offered:* Fall, Spring

**Credit Hours:** 2

**Department:** Music

**MUS 100 - Listening to Music**

*Description:* Basic concepts and development of listening perception. Compositions to be discussed include vocal and instrumental works of the 18th, 19th and 20th centuries selected to show the development of Western musical art. A requirement for the course is that students must attend concerts, one of which must be at a major concert hall in the metropolitan area, during the semester. This course cannot be applied to a degree in music.

*SUNY GEN ED-GHUM; NCC GEN ED-HUM, WESH*

*Offered:* Fall, Winterim, Spring, Summer

**Credit Hours:** 3

**Department:** Music

**MUS 101 - Rudiments of Music**

*Description:* Notation, clefs, key signatures, major and minor scales, meter signatures, intervals. The course cannot be applied to a music degree. Required course for students who wish to major in music but do not meet the Department's entrance requirements. A grade of B or higher is required of prospective music majors.

*SUNY GND-GHART; NCC GEN ED-HUM*

*Offered:* Fall, Spring, Summer

**Credit Hours:** 3

**Department:** Music

**MUS 102 - Beginning Piano**

*Description:* A course designed for beginners only. Classes have a maximum of 12 students using electronic pianos. Areas covered include piano technique, music reading, playing by ear, improvisation and harmonization. Owning a piano is desirable but not essential, since the Music Department offers practice facilities. (Students may be required to trim fingernails.) Students are required to provide headphones.

*SUNY GEN ED-GHART; NCC GEN ED-HUM, FAPA*

*Offered:* Fall, Summer

**Credit Hours:** 3

**Department:** Music

**MUS 103 - Beginning Guitar**

*Description:* A course designed for beginners only. Classes have a maximum of 15 students. Obtaining an acoustic instrument is the student's responsibility, since the College does not provide guitars for student use. Areas covered include guitar technique, developing concepts of melody, harmony and rhythm particularly in providing accompaniments for folk singing. (Students may be required to trim fingernails.)

*SUNY GEN ED-GHART; NCC GEN ED-FAPA, HUM*

*Offered:* Fall, Spring, Summer

**Credit Hours:** 3

**Department:** Music

**MUS 105 - Opera Appreciation**

*Description:* Introduction to opera as an art form through the study of its musical, dramatic and stylistic development from 1600 to the present. Attendance at an opera performance required. Open to all students.

*SUNY EN ED-GHUM; NCC GEN ED-HUM, WESH*

*Offered:* Fall, Spring

**Credit Hours:** 3

**Department:** Music

**MUS 106 - The Symphony**

*Description:* Introduction to the symphony as an art form through the study of its musical and stylistic development from the 18th century to the present. Attendance at a symphony orchestra concert is required. Open to all students.

*SUNY GEN ED-GHUM; NCC GEN ED-HUM, WESH*

*Offered:* Fall, Spring

**Credit Hours:** 3

**Department:** Music

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Nassau Community College: [http://collegecatalog.ncc.edu/current](http://collegecatalog.ncc.edu/current)
MUS 107 - Contemporary Music
Description: Introduction to 20th-century concert music. Important works will be studied and emphasis placed on the relationship between contemporary music and other aspects of the contemporary world. Concert attendance may be required. Open to all students.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, GLNW, WESH
Offered: Fall, Spring
Credit Hours: 3
Department: Music

MUS 108 - Folk Music
Description: Folk music in Western culture. Consideration will be given to the function of folk music as illustrated through specific examples, with attention to research methodology used in the field of folk music. Open to all students.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, PLDI, WESH
Offered: Fall, Spring
Credit Hours: 3
Department: Music

MUS 109 - Orchestra I
Description: This is the first course in the MUS 109-MUS 110 sequence. Open to all students. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1
Department: Music

MUS 110 - Orchestra II
Description: This is the second course in the MUS 109-MUS 110 sequence. Open to all students. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1
Department: Music

MUS 111 - Freshman Chorus I
Description: This is the first course in the MUS 111-MUS 112 sequence. Open to all students. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1
Department: Music

MUS 112 - Freshman Chorus II
Description: This is the second course in the MUS 111-MUS 112 sequence. Open to all students. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 113 - Band I
Description: This is the first course in the MUS 113-MUS 114 sequence. Open to all students. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1
Department: Music

MUS 114 - Band II
Description: This is the second course in the MUS 113-MUS 114 sequence. Open to all students. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1
Department: Music

MUS 115 - Jazz Ensemble I
Description: This is the first course in the MUS 115-MUS 116 sequence. Open to all students. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1
Department: Music

MUS 116 - Jazz Ensemble II
Description: This is the second course in the MUS 115-MUS 116 sequence. Open to all students. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1
Department: Music

MUS 117 - Elements of Music I
Prerequisites: MUS 101 - B or successful completion of Music Department placement.
Corequisites: MUS 127
Description: This is the first course in the MUS 117-MUS 118 sequence. Introduction to diatonic harmony and the concept of 4-part voice-leading using primary triads and inversions; non-harmonic tones.
SUNY GEN ED-GART; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 1
Department: Music

MUS 118 - Elements of Music II
Prerequisites: MUS 117 - Minimum grade of C or successful completion of advanced theory placement examination.
Corequisites: MUS 128.
Description: This is the second course in the MUS 117-MUS 118 sequence. Continuation of diatonic harmony and voice-leading; inclusion of secondary triads and inversions, sequential harmonic patterns. Greater emphasis on melodic-contrapuntal development. Examination of basic principles of musical organization through analysis.
SUNY GEN ED-GART; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 123 - Chamber Music I
Description: This is the first course in the MUS 123-MUS 124 sequence. Rehearsal and performance of music for small instrument ensembles (duos, trios, quartets, etc.) Open to all students by audition. Contact Music Department. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1
Department: Music

MUS 124 - Chamber Music II
Description: This is the second course in the MUS 123-MUS 124 sequence. Rehearsal and performance of music for small instrument ensembles (duos, trios, quartets, etc.) Open to all students by audition. Contact Music Department. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1
Department: Music

MUS 125 - Vocal Ensemble I
Description: This is the first course in the MUS 125-MUS 126 sequence. Open to all students by audition. Permission of instructor required. (3 hours)
AUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1
Department: Music

MUS 126 - Vocal Ensemble II
Description: This is the second course in the MUS 125-MUS 126 sequence. Open to all students by audition. Permission of instructor required. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 127 - Keyboard Harmony I
Prerequisites: Completion of MUS 127. Minimum grade of C is required.
Corequisites: MUS 118.
Description: This is the first course in the MUS 127-MUS 128 sequence. Parallels MUS 118 with emphasis on keyboard skills.
SUNY GEN ED-GART; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Music

MUS 128 - Keyboard Harmony II
Prerequisites: MUS 127.
Corequisites: MUS 119.
Description: This is the second course in the MUS 127-MUS 128 sequence. Parallels MUS 119 with emphasis on keyboard skills.
SUNY GEN ED-GART; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Music

MUS 129 - African American Ensemble I
Description: (Dual listed with AFR 150) This is the first course in the MUS 129-MUS 130 sequence. Participation in the production, rehearsal and performance of the African American Choral Ensemble productions. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 130 - African American Choral Ensemble II
Description: (Dual listed with AFR 151) This is the second course in the MUS 129-MUS 130 sequence. Participation in the production, rehearsal and performance of the African American Choral Ensemble productions. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 132 - Music for Early Childhood Education
Prerequisites: Teacher Education Transfer Program students or permission of Chairperson.
Description: Previous music background unnecessary. Pitch notation, rhythmic and singing activities. Practical instruction on such instruments as autoharp, guitar, recorder, piano, melodic and rhythm instruments. Course cannot be applied to a degree in music. (3 hours)
SUNY GEN ED-GART; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 133 - Intermediate Piano
Prerequisites: MUS 102 or permission of instructor.
Description: Course designed for the intermediate piano student. Continuation of MUS 102 with more advanced study of piano technique, selected repertoire, sight-reading, playing by ear, harmonization and improvisation. Owning a piano is desirable but not essential since the Music Department offers practice facilities.
SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 134 - Intermediate Folk Guitar
Prerequisites: MUS 103 or permission of instructor.
Description: Guitar technique, transposition, finger picking, accompaniment styles. Obtaining an acoustic instrument is the student's responsibility.
SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 135 - Rock Music: Mirror of Change
Description: A study of cultural changes in American and English postwar society as expressed in the development of rock music. Concert attendance required.
SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 3
Department: Music

MUS 136 - Beginning Voice Class
Description: Basics of voice technique, song preparation, repertoire and stage deportment.
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 137 - Sight-Singing I
Prerequisites: MUS 037 or successful completion of Music Department placement examination.
Description: Sight-singing and dictation skills I. The singing at sight of simple diatonic melodies with correct pitch, rhythm and solfege syllables; simple melodic, rhythmic and harmonic dictation.
SUNY GEN ED-GART; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 138 - Sight-Singing II
Prerequisites: MUS 137. Minimum grade of C required. Sight singing and dictation skills II.
Description: Continuation of MUS 137. Sight-singing of diatonic melodies with introduction of chromatic tones; dictation including 2-part counterpoint and simple chorale-style diatonic progressions.
SUNY GEN ED-GART; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 141 - Voice I
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 142 - Voice II
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 143 - Piano I
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music
MUS 144 - Piano II
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 145 - Flute I
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 146 - Flute II
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 147 - Oboe I
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 148 - Oboe II
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 149 - Clarinet I
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 150 - Clarinet II
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 151 - Bassoon I
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 152 - Bassoon II
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 153 - Saxophone I
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 154 - Saxophone II
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 155 - French Horn I
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 156 - French Horn II
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 157 - Trumpet I
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 158 - Trumpet II
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 159 - Trombone I
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 160 - Trombone II
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 161 - Baritone I
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 162 - Baritone II
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 163 - Tuba I
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 164 - Tuba II
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 165 - Percussion I
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 166 - Percussion II
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 167 - Violin I
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 168 - Violin II
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 169 - Viola I
Description: SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Department</th>
<th>Credit Hours</th>
<th>Offered</th>
<th>SUNY GEN ED</th>
<th>NCC GEN ED</th>
<th>Prerequisites</th>
</tr>
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<tbody>
<tr>
<td>MUS 170</td>
<td>Viola II</td>
<td>Music</td>
<td>2</td>
<td>Fall, Spring</td>
<td>n/a; n/a</td>
<td>ED-FAPA</td>
<td>MUS 141 or permission of instructor.</td>
</tr>
<tr>
<td>MUS 171</td>
<td>Violoncello I</td>
<td>Music</td>
<td>2</td>
<td>Fall, Spring</td>
<td>n/a; n/a</td>
<td>ED-FAPA</td>
<td>MUS 141 or permission of instructor.</td>
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<tr>
<td>MUS 172</td>
<td>Violoncello II</td>
<td>Music</td>
<td>2</td>
<td>Fall, Spring</td>
<td>n/a; n/a</td>
<td>ED-FAPA</td>
<td>MUS 141 or permission of instructor.</td>
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<tr>
<td>MUS 173</td>
<td>String Bass I</td>
<td>Music</td>
<td>2</td>
<td>Fall, Spring</td>
<td>n/a; n/a</td>
<td>ED-FAPA</td>
<td>MUS 141 or permission of instructor.</td>
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<tr>
<td>MUS 174</td>
<td>String Bass II</td>
<td>Music</td>
<td>2</td>
<td>Fall, Spring</td>
<td>n/a; n/a</td>
<td>ED-FAPA</td>
<td>MUS 141 or permission of instructor.</td>
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<tr>
<td>MUS 175</td>
<td>Classical Guitar I</td>
<td>Music</td>
<td>2</td>
<td>Fall, Spring</td>
<td>n/a; n/a</td>
<td>ED-FAPA</td>
<td>MUS 141 or permission of instructor.</td>
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<tr>
<td>MUS 176</td>
<td>Classical Guitar II</td>
<td>Music</td>
<td>2</td>
<td>Fall, Spring</td>
<td>n/a; n/a</td>
<td>ED-FAPA</td>
<td>MUS 141 or permission of instructor.</td>
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<tr>
<td>MUS 177</td>
<td>Organ I</td>
<td>Music</td>
<td>2</td>
<td>Fall, Spring</td>
<td>n/a; n/a</td>
<td>ED-FAPA</td>
<td>MUS 141 or permission of instructor.</td>
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<tr>
<td>MUS 178</td>
<td>Organ II</td>
<td>Music</td>
<td>2</td>
<td>Fall, Spring</td>
<td>n/a; n/a</td>
<td>ED-FAPA</td>
<td>MUS 141 or permission of instructor.</td>
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<tr>
<td>MUS 179</td>
<td>Harp I</td>
<td>Music</td>
<td>2</td>
<td>Fall, Spring</td>
<td>n/a; n/a</td>
<td>ED-FAPA</td>
<td>MUS 141 or permission of instructor.</td>
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<tr>
<td>MUS 180</td>
<td>Harp II</td>
<td>Music</td>
<td>2</td>
<td>Fall, Spring</td>
<td>n/a; n/a</td>
<td>ED-FAPA</td>
<td>MUS 141 or permission of instructor.</td>
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<tr>
<td>MUS 181</td>
<td>Electric Bass I</td>
<td>Music</td>
<td>2</td>
<td>Fall, Spring</td>
<td>n/a; n/a</td>
<td>ED-FAPA</td>
<td>MUS 141 or permission of instructor.</td>
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<tr>
<td>MUS 182</td>
<td>Electric Bass II</td>
<td>Music</td>
<td>2</td>
<td>Fall, Spring</td>
<td>n/a; n/a</td>
<td>ED-FAPA</td>
<td>MUS 141 or permission of instructor.</td>
</tr>
<tr>
<td>MUS 183</td>
<td>Percussion Ensemble I</td>
<td>Music</td>
<td>1</td>
<td>Fall, Spring</td>
<td>n/a; n/a</td>
<td>ED-FAPA</td>
<td>MUS 141 or permission of instructor.</td>
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<tr>
<td>MUS 184</td>
<td>Percussion Ensemble II</td>
<td>Music</td>
<td>1</td>
<td>Fall, Spring</td>
<td>n/a; n/a</td>
<td>ED-FAPA</td>
<td>MUS 141 or permission of instructor.</td>
</tr>
<tr>
<td>MUS 185</td>
<td>Guitar Ensemble I</td>
<td>Music</td>
<td>2</td>
<td>Fall, Spring</td>
<td>n/a; n/a</td>
<td>ED-FAPA</td>
<td>MUS 141 or permission of instructor.</td>
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<tr>
<td>MUS 186</td>
<td>Guitar Ensemble II</td>
<td>Music</td>
<td>1</td>
<td>Fall, Spring</td>
<td>n/a; n/a</td>
<td>ED-FAPA</td>
<td>MUS 141 or permission of instructor.</td>
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<tr>
<td>MUS 187</td>
<td>Jazz Improvisation Ensemble I</td>
<td>Music</td>
<td>1</td>
<td>Fall, Spring</td>
<td>n/a; n/a</td>
<td>ED-FAPA</td>
<td>MUS 141 or permission of instructor.</td>
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<tr>
<td>MUS 188</td>
<td>Jazz Improvisation Ensemble II</td>
<td>Music</td>
<td>1</td>
<td>Fall, Spring</td>
<td>n/a; n/a</td>
<td>ED-FAPA</td>
<td>MUS 141 or permission of instructor.</td>
</tr>
<tr>
<td>MUS 189</td>
<td>Opera Workshop I</td>
<td>Music</td>
<td>2</td>
<td>Fall, Spring</td>
<td>n/a; n/a</td>
<td>ED-FAPA</td>
<td>MUS 141 or permission of instructor.</td>
</tr>
</tbody>
</table>
MUS 205 - African American Music

Description: (Dual listed with AFR 155)
In addition to an evaluation study of the basic musical materials of Black music and its effects on other music forms, an historical/philosophical/political analysis and survey will be included.

SUNY GEN ED-GART, GHUM; NCC GEN ED-HUM, WESH, PLDI
Offered: Fall, Spring
Credit Hours: 3

Department: Music

MUS 206 - Modern Arranging

Description: Prerequisite or Co-requisite: MUS 217. Investigates the various arranging techniques and styles used in modern jazz writing. Included are the study of ranges, scores, harmony, voicings, textures, forms, jazz orchestration and idiomatic writing.

SUNY GEN ED-GART; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 3

Department: Music

MUS 207 - Perspective on Jazz

Description: (Dual listed with AFR 152) This course is designed to explore the inception and evolution of jazz, its styles and influence on other musical types. Directed listening activities required.

SUNY GEN ED-GART, GHUM; NCC GEN ED-PLDI, HUM, WESH
Offered: Fall, Spring
Credit Hours: 3

Department: Music

MUS 208 - History of Western Music III

Prerequisites: ENG 100 or ENG 101, MUS 104 (C) or permission of Chairperson.

Description: An in-depth history of Western art music from its Greco-Roman origins through the Renaissance. Study of important musical genres and changes in musical style. Analysis of representative works of the Middle Ages and Renaissance. Study of the development of music notation and musical instruments. SUNY GEN ED-GHUM, GART; NCC GEN ED-HUM, WESH
Offered: Fall, Spring
Credit Hours: 3

Department: Music

MUS 209 - Orchestra III

Prerequisites: MUS 110 (3 hours).

Description: This is the first course in the MUS 209-MUS 210 sequence.

SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1

Department: Music

MUS 210 - Orchestra IV

Prerequisites: MUS 110. (3 hours)

Description: This is the second course in the MUS 209-MUS 210 sequence.

SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1

Department: Music

MUS 211 - Chorus III

Prerequisites: MUS 112.

Description: This is the second course in the MUS 211-MUS 212 sequence.

SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1

Department: Music

MUS 212 - Band III

Prerequisites: MUS 114. (3 hours)

Description: This is the first course in the MUS 212-MUS 213 sequence.

SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1

Department: Music

MUS 213 - Band IV

Prerequisites: MUS 114. (3 hours)

Description: This is the second course in the MUS 212-MUS 213 sequence.

SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1

Department: Music

MUS 215 - Jazz Ensemble III

Prerequisites: MUS 116.

Description: This is the first course in the MUS 215-MUS 216 sequence.

SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1

Department: Music

MUS 216 - Jazz Ensemble IV
COURSE DESCRIPTIONS

MUS 225 - Vocal Ensemble III
Prerequisites: MUS 126.
Description: This is the first course in the MUS 225-MUS 226 sequence.
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1
Department: Music

MUS 226 - Vocal Ensemble IV
Prerequisites: MUS 126.
Description: This is the second course in the MUS 225-MUS 226 sequence.
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1
Department: Music

MUS 227 - Keyboard Harmony III
Prerequisites: MUS 128. Minimum grade of C required.
Corequisites: MUS 217.
Description: Chromatic harmony: analysis of 19th-century harmonic style correlated with writing and musical dictation. Voice-leading, expanded tonality, and chromatic and enharmonic modulation. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 228 - Keyboard Harmony IV
Prerequisites: MUS 227.
Corequisites: MUS 228.
Description: Parallels MUS 217 with emphasis on keyboard skills.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 1
Department: Music

MUS 229 - African American Choral Ensemble III
Description: (Dual listed with AFR 153)
This is the first course in the MUS 229-MUS 230 sequence. Participation in the production, rehearsal and performance of the African American Choral Ensemble productions. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1
Department: Music

MUS 230 - African American Choral Ensemble IV

MUS 217 - Elements of Music III
Prerequisites: MUS 118. Minimum grade of C required.
Corequisites: MUS 227.
Description: Analysis of Bach 371 Chorale harmonizations with writing and musical dictation; voice leading, secondary seventh chords, secondary dominant modulations and closely related keys. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 218 - Elements of Music IV
Prerequisites: MUS 217. Minimum grade of C required.
Corequisites: MUS 228.
Description: Chromatic harmony: analysis of 19th-century harmonic style correlated with writing and musical dictation. Voice-leading, expanded tonality, and chromatic and enharmonic modulation. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 223 - Chamber Music III
Prerequisites: MUS 124.
Description: This is the first course in the MUS 223-MUS 224 sequence. Rehearsal and performance of music for small instrumental ensembles (duos, trios, quartets, etc.). (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1
Department: Music

MUS 224 - Chamber of Music IV
Prerequisites: MUS 124.
Description: This is the second course in the MUS 223-MUS 224 sequence. Rehearsal and performance of music for small instrumental ensembles (duos, trios, quartets, etc.). (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1
Department: Music

MUS 231 - Piano III

MUS 232 - Voice III
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 241 - Voice IV
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 242 - Voice IV
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 243 - Piano III
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

Nassau Community College: http://collegecatalog.ncc.edu/current
MUS 244 - Piano IV  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 245 - Flute III  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 246 - Flute IV  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 247 - Oboe III  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 248 - Oboe IV  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 249 - Clarinet III  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 250 - Clarinet IV  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 251 - Bassoon III  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 252 - Bassoon IV  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 253 - Saxophone III  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 254 - Saxophone IV  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 255 - French Horn III  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 256 - French Horn IV  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 257 - Trumpet III  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 258 - Trumpet IV  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 259 - Trombone III  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 260 - Trombone IV  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 261 - Baritone III  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 262 - Baritone IV  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 263 - Tuba III  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 264 - Tuba IV  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 265 - Percussion III  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 266 - Percussion IV  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 267 - Violin III  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 268 - Violin IV  
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM  
Offered: Fall, Spring  
Credit Hours: 2  
Department: Music  

MUS 269 - Viola III
MUS 270 - Viola IV
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 271 - Violoncello III
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 272 - Violoncello IV
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 273 - String Bass III
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 274 - String Bass IV
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 275 - Classical Guitar III
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring, Summer
Credit Hours: 2
Department: Music

MUS 276 - Classical Guitar IV
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 277 - Organ III
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 278 - Organ IV
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 279 - Harp III
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 280 - Harp IV
Description: SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 2
Department: Music

MUS 281 - Electric Bass III
Prerequisites: MUS 186.
Description: This is the first course in the MUS 281-MUS 282 sequence. Rehearsal and performance of works for electric bass ensemble. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1
Department: Music

MUS 282 - Electric Bass IV
Prerequisites: MUS 186.
Description: This is the second course in the MUS 281-MUS 282 sequence. Rehearsal and performance of works for electric bass ensemble. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1
Department: Music

MUS 283 - Percussion Ensemble III
Prerequisites: MUS 184.
Description: This is the first course in the MUS 283-MUS 284 sequence. Rehearsal and performance of works for percussion ensemble. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1
Department: Music

MUS 284 - Percussion Ensemble IV
Prerequisites: MUS 184.
Description: This is the second course in the MUS 283-MUS 284 sequence. Rehearsal and performance of works for percussion ensemble. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-FAPA, HUM
Offered: Fall, Spring
Credit Hours: 1
Department: Music

NCC 101

NCC 101 - Freshman Seminar: The College Experience
COURSE DESCRIPTIONS

Description: An introduction to the world of higher education. The goal of the course is to give students the skills, insights, and knowledge to make the most of their college experience.

Among the topics covered:
* The philosophy, mission, and goals of higher education;
* The role of campus resources (labs, library, counseling services, extracurricular activities, etc.) in the educational process;
* Listening, note-taking, time management and study skills;
* Faculty and student expectations and responsibilities;
* Academic disciplines and their relationship to careers; and
* The college community as a mirror of cultural diversity.

The course will also help students develop sufficient motivation to pursue their studies as active, responsible learners.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer

Credit Hours: 1

Department: The College Experience

Nutrition

NTR

NTR 158 - Social and Cultural Aspects of Food

Description: This course is an exploration of the social, cultural and religious aspects of food in different countries and nationalities with emphasis on ethnic groups in the United States. The food habits of various groups, identification of ethnic foods and terminology, dietary rationales, and the economics of dietary intake will be investigated. The emphasis of this course is on developing cultural competency and sensitivity to various ethnic groups. It includes cultural foods taste testing and nutritional counseling of people from various cultures.

SUNY GEN ED-n/a; NCC GEN ED-PLDI
Offered: Fall, Spring, Summer

Credit Hours: 3

Department: Hotel & Restaurant Tech

NTR 183 - Dietary Management

Description: This course fulfills the requirements for diet therapy and nutritional planning as designed by the Dietary Managers Association for certification as a Dietary Manager. It includes one hundred and fifty hours of field experience in a clinical/institutional setting. Topics include: concepts of diet therapy, medical terminology, institutional protocol, nutritional planning in a health care setting and the Dietary Manager's role in nutritional assessment and management.

SUNY GEN ED-n/a; NCC GEN ED-n/a

Credit Hours: 3

Department: Hotel & Restaurant Tech

NTR 184 - Dietary Management Field Experience

Description: Students work in selected healthcare facilities (hospitals/nursing homes) to gain experience and expertise in the field of dietary management by implementing concepts and practices acquired in the classroom. Students must complete a one hundred and fifty hour internship to be eligible to sit for the Dietary Managers Certification Exam. Coursework includes written and oral assignments and exams.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Summer

Credit Hours: 3

Department: Hotel & Restaurant Tech

NTR 188 - Nutrition for the Healthcare Professional

Description: This course focuses on the practical application of nutritional concepts from pregnancy and birth through old age. Strategies for handling nutrition related problems, including infant feeding, introduction of solid foods, picky eaters, obesity issues, eating disorders, the use of nutritional supplements, sports nutrition, food guides and standards and label reading are among the subjects investigated.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer

Credit Hours: 3

Department: Hotel & Restaurant Tech

NTR 195 - Nutrition through the Life Cycle

Description: This course stresses the practical application of nutritional concepts from pregnancy and birth through old age. Strategies for handling nutrition related problems, including infant feeding, introduction of solid foods, picky eaters, obesity issues, eating disorders, the use of nutritional supplements, sports nutrition, food guides and standards and label reading are among the subjects investigated.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer

Credit Hours: 3

Department: Hotel & Restaurant Tech

NTR 199 - Nutrition for the Healthcare Professional

Description: This course emphasizes general issues in the nutritional care and assessment of patients utilized by healthcare professionals in healthcare facilities. Topics include: Introduction to Nutrients, Absorption and Metabolism of Nutrients, Life Cycles, Nutritional Assessment of Patients, Introduction to Diet Therapy and Nutrition Support Practices.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer

Credit Hours: 3

Department: Hotel & Restaurant Tech

Nursing

NUR

NUR 100 - Introduction to Associate Degree Nursing

Description: This course is designed to acquaint the student who enters the nursing program at an advanced level with the philosophy and conceptual framework of Associate degree nursing. It will also introduce the role of the professional nurse and the problem-solving process as it relates to formulating a nursing diagnosis. Open to advanced standing and articulation students or by permission of the Chairperson. This course is part of the required Nursing curriculum for students receiving advanced standing in the required nursing courses.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Summer, Winterim

Credit Hours: 1

Department: Nursing

NUR 101 - Fundamental of Nursing

Corequisites: AHS 131 and ENG 100 or ENG 101 or PSY 203 or MAT 102.

Description: This introductory course is planned to provide students with content fundamental to nursing practice and to nursing as a profession. It is designed to lay the foundation for all subsequent courses. The commonalities of nursing care are emphasized. The nursing process and the core competencies, as critical thinking tools, are utilized to provide direct patient care. The student is introduced to the concept of Evidence-based practice and educational and practical technologies used in health care settings. Experiences are provided in both on-campus laboratory, clinical settings and Service Learning Activities. This course will consist of 4 hours of Lecture, 13.5 Clinical hours/week - 7.5 hours hospital based, 5.5 hours laboratory based 5 hours Clinical Service Learning. Credit Hours: 8.5 -4 credits
COURSE DESCRIPTIONS

NUR 105 - Introduction to Medical Surgical Nursing
Prerequisites: NUR 101 or equivalent, and its co-requisites
Corequisites: AHS 132 and ENG 100 or ENG 101 or MAT 102 or PSY 203
Description: This course is designed to further develop the student's skill in utilizing the nursing process and core competencies as critical thinking tools for identifying health problems and providing comprehensive patient care in the medical-surgical setting. The student continues to develop the concept of Evidence-based practice along with developing the skills necessary to use Educational and Practical technologies found in health care settings. Experiences are planned in on-campus laboratory and in acute, sub-acute care settings and Service Learning Activities. This course will consist of 4 hours of Lecture, 13.5 Clinical hours/week - 8.5 hours hospital based, 4.5 hours laboratory based, .5 hours Clinical Service Learning. Credit Hours: 8.5 - 4 credits lecture, 4.5 credits clinical. Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 8
Department: Nursing

NUR 204 - Comprehensive Nursing Care II
Prerequisites: NUR 203 and the co-requisites for NUR 101, NUR 105 and NUR 203.
Corequisites: ENG 102 and a Humanities Elective.
Description: This course provides the student with theory related to patient responses to complex health problems throughout the life span. Opportunity is provided for increasing skill in establishing nursing priorities and in utilizing the nursing process and the core competencies as critical thinking tools to provide nursing care for groups of patients. There are increased opportunities for patient teaching, discharge planning, and working collaboratively as a member of the interdisciplinary health care team. Current trends and issues in nursing practice and education are examined and the need for academic progression is emphasized. Experiences are provided in medicine, surgery, obstetrics in a variety of clinical settings and Service Learning Activities. This course will consist of 4 hours of Lecture, 13.5 Clinical hours/week - 8.5 hours hospital based, 4.5 hours laboratory based, .5 hours Clinical Service Learning. Credit Hours: 8.5 - 4 credits lecture; 4.5 credits clinical. Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 8
Department: Nursing

NUR 203 - Comprehensive Nursing Care I
Prerequisites: NUR 105 or the equivalent; co-requisites for NUR 101 and NUR 105.
Corequisites: AHS 202, PSY 216 and ENG 102 or SOC 201 and a Humanities elective.
Description: This course is concerned with the student's continued growth of knowledge in identifying health problems across the life span. Use of the nursing process and core competencies as critical thinking tools is applied to more complex patient situations. The student will integrate theory and skills learned in previous semesters to provide nursing care to pediatric an psychiatric populations. Psycho-sociocultural theory related to the family and community as well as group processes are explored. Evidence-based practice is emphasized in planning nursing care for individuals and groups of patients. Educational and practical technological skills are enhanced in the on-campus laboratory and in the clinical agencies. Experiences are provided in the on-campus laboratory and a variety of pediatric, psychiatric, and medical and surgical care, community settings and Service Learning Activities. This course will consist of 4 hours of Lecture, 13.5 Clinical hours/week - 8.5 hours hospital based, 4.5 hours laboratory based, .5 hours Clinical Service Learning. Credit Hours: 8.5 - 4 credits lecture; 4.5 clinical. Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 8
Department: Nursing

OFT 142 - Medical Transcription I
Prerequisites: HIT 151 and OFT 100 or permission of the Chairperson.
Description: This course is designed to develop competency in transcribing medical letters. Emphasis is on comprehension of medical terminology, language arts, correct formatting, and proofreading. Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3
Department: Administrative Business Tech

OFT 207 - Machine Transcription II
Prerequisites: OFT 107 or permission of the Chairperson.
Description: This course develops competency in transferring recorded dictation in printed form. This course includes technical skills of transcribing documents while strengthening language, punctuation, spelling, grammar, vocabulary, editing, & proofreading skills. This course also teaches listening & decision-making skills needed to produce a perfect final copy.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3
Department: Administrative Business Tech

Physical Education

PED 140 - Fundamentals of Swimming (C)
Description: Swimming
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Fall
Credit Hours: 1
Department: Health/Physical Ed/Recreation

PED 150 - Soccer (C)
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Fall
Credit Hours: 1
Department: Health/Physical Ed/Recreation

PED 151 - Basketball (C)
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Spring
Credit Hours: 1
Department: Health/Physical Ed/Recreation

PED 150 - Soccer (C)
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Fall
Credit Hours: 1
Department: Health/Physical Ed/Recreation

PED 151 - Basketball (C)
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Spring
Credit Hours: 1
Department: Health/Physical Ed/Recreation

PED 160 - Volleyball (C)
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Fall
Credit Hours: 1
Department: Health/Physical Ed/Recreation

PED 161 - Tennis (C)
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Spring

COURSE DESCRIPTIONS

Credit Hours: 1
Department: Health/Physical Ed/Recreation
PED 164 - Badminton (C)
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Spring
Credit Hours: 1

Department: Health/Physical Ed/Recreation
PED 168 - Lacrosse (M)
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Spring
Credit Hours: 1

Department: Health/Physical Ed/Recreation
PED 171 - Tennis Skills (W)
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Spring
Credit Hours: 1

Department: Health/Physical Ed/Recreation
PED 172 - Golf (C)
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Spring
Credit Hours: 1

Department: Health/Physical Ed/Recreation
PED 178 - Fundamentals of Movement and Rhythm (C) (F)
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Fall
Credit Hours: 1

Department: Health/Physical Ed/Recreation
PED 181 - Volleyball
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Fall
Credit Hours: 1

Department: Health/Physical Ed/Recreation
PED 187 - Badminton
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Spring
Credit Hours: 1

Department: Health/Physical Ed/Recreation
PED 190 - Introduction to Physical Education
Description: Provides a basic overview of the Physical Education profession and its allied fields. A basic introduction to the philosophy, principles and objectives of
the profession and its relation to the total educational environment.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 3

Department: Health/Physical Ed/Recreation
PED 291 - Personal Health for Physical Education and Health Majors
Description: Identification and evaluation of sound health principles, personally and professionally. The design of this course provides examination and exploration of health issues for daily living, as well as pedagogical techniques for future health and Physical Education teachers.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring
Credit Hours: 1

Department: Health/Physical Ed/Recreation
PED 292 - Safety and First Aid
Description: An analysis of problems related to safety and first aid, with special emphasis on their application to Physical Education. A study of the immediate care of injuries and their prevention. The student will be required to participate in practical examination of skills, including a pool session which involves neck and back spinal immobilization. Successful completion of this course will certify the student in the American Red Cross - Responding to Emergencies and Adult CPR.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3

Department: Health/Physical Ed/Recreation
PED 301 - Physical Conditioning and Weight Training I
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 0.50

Department: Health/Physical Ed/Recreation
PED 303 - Physical Conditioning and Weight Training II
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 0.50

Department: Health/Physical Ed/Recreation
PED 306 - Badminton
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Fall, Spring
Credit Hours: 0.50

Department: Health/Physical Ed/Recreation
PED 312 - Golf I
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Fall
Credit Hours: 0.50

Department: Health/Physical Ed/Recreation
PED 320 - Racquetball
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Fall, Spring
Credit Hours: 0.50

Department: Health/Physical Ed/Recreation
PED 322 - Tennis I
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Fall, Spring, Summer
Credit Hours: 0.50

Department: Health/Physical Ed/Recreation
PED 324 - Tennis II
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Credit Hours: 0.50

Department: Health/Physical Ed/Recreation
PED 334 - Softball
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Fall, Spring
Credit Hours: 0.50

Department: Health/Physical Ed/Recreation
PED 335 - Volleyball
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Fall, Spring
Credit Hours: 0.50

Department: Health/Physical Ed/Recreation
PED 401 - Fitness Activities for Women
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Fall, Spring, Summer
Credit Hours: 0.50

Department: Health/Physical Ed/Recreation
PED 403 - Weight Training
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Credit Hours: 0.50

Department: Health/Physical Ed/Recreation
PED 406 - Badminton
Description: Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Spring
Credit Hours: 0.50
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Department</th>
<th>Credit Hours</th>
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<td>PED 611</td>
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PED 602 - Tennis I (C)
PED 502 - Tennis I (C)
PED 512 - Golf I (C)
PED 514 - Golf II (C)
PED 519 - Self Defense (C)
PED 512 - Golf I (C)
PED 514 - Golf II (C)
PED 519 - Self Defense (C)
PED 520 - Racquetball (C)
PED 521 - Fundamentals of Spinning
PED 523 - Jogging (C)
PED 524 - Tennis II (C)
PED 527 - Social Dancing (C)
PED 530 - Basic Tap Dance (C)
PED 534 - Basic Jazz Dance (C)
PED 539 - Bowling I
PED 540 - Bowling II
PED 551 - Yoga
PED 601 - Adapted Physical Education I
PED 602 - Adapted Physical Education II
PED 611 - Fundamentals of Dance (Coed)
PED 621 - Stunts and Tumbling for Theatre
Description: The purpose of this course is to introduce and familiarize students of theater to advance skills in stunts and tumbling, acrobatics and pyramid building. Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Fall
Credit Hours: 1
Department: Health/Physical Ed/Recreation

PED 622 - Circus Arts
Description: This course is designed to introduce the student to the basic skills of the circus. Physical Education Majors will increase their repertoire of skills in terms of eye-hand coordination, balance and learning skill hierarchy. Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Spring, Summer
Credit Hours: 1
Department: Health/Physical Ed/Recreation

PED 634 - Outdoor Living: Wilderness, Canoeing and Camping
Description: This course is designed to provide students with practical experiences leading to an expanded appreciation of the outdoors. A two-night stay field trip experience and student fees are required.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Fall, Spring, Summer
Credit Hours: 1
Department: Health/Physical Ed/Recreation

PED 636 - Adventure Activities
Description: This course is designed to develop physical, social, emotional and intellectual growth through an adventure-based program. Activities will range from indoor games, initiative problems, trust and confidence activities, to indoor and outdoor low and high elements on rope courses. Some climbing and rappelling may also be included.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Fall, Spring, Summer
Credit Hours: 1
Department: Health/Physical Ed/Recreation

PED 640 - CPR and Basic Cardiac Life Support
Description: (Dual listed with AHS 100) This course is designed to teach Cardiopulmonary Resuscitation (CPR) and Basic Life Support to individuals entering the various service professions (Police, Fire), health professions and professions who are activity-oriented (recreation, lifeguards), etc. Basic procedures are covered in full, including techniques of advanced life support.
Successful completion of the course meets all requirements for the American Red Cross and Heart Association Certification. It cannot be used to fulfill Physical Education course requirement for graduation.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 1
Department: Health/Physical Ed/Recreation

PED 657 - Karate I
Description: The purpose of this course is to provide a basic understanding of Aiki-Jujutsu, a classical Japanese martial art. Our main focus of training will be the physical application of this art. Aspects of Aiki-Jujutsu including history, philosophies, and principles will be covered throughout the semester. No prior martial arts experience is necessary as this class is tailored for the beginner student.
Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Fall, Spring, Summer
Credit Hours: 1
Department: Health/Physical Ed/Recreation

PED 658 - Karate II
Prerequisites: PED 657.
Description: This course is designed for students who want to continue their Aikijujutsu training. It focuses on the physical application of techniques, applicable for an intermediate level: the sequential teaching of strikes, blocks, controls and body grabs. This class provides the opportunity to gain a more in-depth view of philosophies, techniques and principles of this martial art. Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Spring
Credit Hours: 1
Department: Health/Physical Ed/Recreation

PED 660 - Basic Swimming and Rescue Technique I
Description: Swimming and water safety instruction for the beginner and non-swimmer. This course open only to students who cannot swim 20 yards (one pool length). Basic locomotion in water and survival. (4 hours) Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Fall, Spring, Summer
Credit Hours: 1
Department: Health/Physical Ed/Recreation

PED 666 - Basic Swimming and Rescue Technique II
Description: Swimming and water safety instruction on a more advanced level. Emphasis on form and the development of the four basic strokes. (4 hours) Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Fall, Spring, Summer
Credit Hours: 1
Department: Health/Physical Ed/Recreation

PED 670 - Lifeguard Training and Pool Management
Description: The purpose of this course is to train instructor candidates to successfully complete and teach American Red Cross Swimming classes - Levels 1 through 8. There will be a pretest for all prospective students, which will enable them to demonstrate their proficiency in water safety and aquatic skills. Upon successful completion of the course, all students will receive teaching Certification in water safety instruction. Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Spring
Credit Hours: 1
Department: Health/Physical Ed/Recreation

PED 668 - Water Safety Instructor
Description: The purpose of this course is to train instructor candidates to successfully complete and teach American Red Cross Swimming classes - Levels 1 through 8. There will be a pretest for all prospective students, which will enable them to demonstrate their proficiency in water safety and aquatic skills. Upon successful completion of the course, all students will receive teaching Certification in water safety instruction. Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-PED
Offered: Spring
Credit Hours: 1
Department: Health/Physical Ed/Recreation

PHI 101 - Introduction to Philosophy
Description: Recommended as a fundamental humanities course for all students, a traditional introduction to philosophy with emphasis on analyzing and contrasting the viewpoints of certain major philosophers on the nature of man and ultimate reality; the problem of knowledge; the criteria of moral judgment; and the basic goals of human life. The relevance of the great philosophers to present-day issues is stressed.
COURSE DESCRIPTIONS

SUNY GEN ED-GHUM; NCC GEN ED-HUM, WESH
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Philosophy

PHI 102 - Contemporary Philosophy
Description: This course introduces students to philosophy through contemporary texts. Readings focus on the problem of meaning to explore analytic and continental philosophy. Philosophers studied include Sartre, Wittgenstein, Arendt, Cassirer, Dewey, Russell and others.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, WESH
Offered: Fall, Spring
Credit Hours: 3
Department: Philosophy

PHI 103 - Critical Thinking
Description: This course stresses sensitivity to form as it teaches the student to identify and evaluate different types of arguments found in ordinary language. Basic concepts include deduction, induction, soundness, validity, invalidity, formal and informal fallacies, clarifying meaning, assumption identification, and causal inferences.
SUNY GEN ED-GHUM; NCC GEN ED-HUM
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Philosophy

PHI 104 - Ancient and Medieval Philosophy
Description: An introduction to philosophy from an historical perspective; a systematic survey of the major philosophers from the ancient and medieval world; how they analyzed the great problems of nature, man, and society; how they were influenced by their culture and what significance they have for us today.
SUNY GEN ED-GHUM; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Philosophy

PHI 105 - Renaissance and Modern Philosophy
Description: A systematic survey of the major philosophers from the Renaissance to the beginning of the 20th century; how they analyzed the great problems of nature, man, and society; how they were influenced by their culture; and what significance they have for us today.
SUNY GEN ED-GHUM; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Philosophy

PHI 106 - Introduction to Ethics
Description: This course introduces students to problems in moral philosophy. The class focuses on the theoretical foundations for judgments about right and wrong, good and evil, and justice and injustice. Special attention will be paid to how these theories can help us to address issues such as the death penalty, euthanasia, and terrorism.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, WESH
Offered: Fall, Spring
Credit Hours: 3
Department: Philosophy

PHI 108 - Black Social Philosophy
Prerequisites: Students must have satisfied all ENG and RDG remediation requirements prior to starting the course.
Description: (Dual listed with AFR 170). An examination of the social philosophy of thinkers such as Du Bois, Garvey, King and Fanon. Particular attention is paid to oppression and the struggle for self-identity. The ideals of freedom, equality, justice and community are carefully considered.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, PLDI
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Philosophy

PHI 110 - Biomedical Ethics
Description: An inquiry into the ethical problems raised by recent biomedical advances, research and clinical practice in our 20th-century culture. Genetic research, stem cell research, abortion, human experimentation, cloning, delivery of health care services, transplantation and allocation of scarce medical services, suicide and euthanasia are the main topics to be treated.
SUNY GEN ED-GHUM; NCC GEN ED-HUM
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Philosophy

PHI 111 - Business Ethics
Description: This course explores the ethical dimensions of the conduct of business and shows how philosophical reflection can aid in the discovery of rational solutions to critical problems in the world of business and economics. By focusing on selected issues, such as individual and corporate morality, profit making and social conscience, advertising and consumerism, environmental ethics and resource development, the course highlights the conflicting interests that must be weighed in arriving at decisions of major importance to business and society. Contemporary materials and studies are utilized as well as readings from traditional philosophers.
SUNY GEN ED-GHUM; NCC GEN ED-HUM
Offered: Spring
Credit Hours: 3
Department: Philosophy

PHI 201 - Ethics and Law
Description: Recommended for all students and especially pertinent for Pre-Law, Criminal Justice and Public Administration students, the course examines the ethical foundations and moral implications of our legal tradition. Emphasis is placed upon the analysis of key concepts of legal and philosophical importance such as justice, freedom, equality, rights, duties and property. The course utilizes readings of contemporary relevance such as recent Supreme Court decisions as well as historical influence. Topics discussed include human rights, natural law, social justice, environmental ethics and property rights, and capital punishment among others.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, WESH
Offered: Fall, Spring
Credit Hours: 3
Department: Philosophy

PHI 203 - Philosophy of Art
Description: A philosophic examination of the nature and value of art. Readings from major philosophers on art and its relation to religion, morals and culture in general. Specific works of art are used as illustrations.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, WESH
Offered: Fall, Spring
Credit Hours: 3
Department: Philosophy

PHI 204 - Philosophy of Religion
Description: A critical examination of the nature of religion and varieties of religious experience. Topics considered include the nature and existence of God, miracles, reason and revelation, morality and religious experience. Readings are drawn from major philosophers and theologians.
SUNY GEN ED-GHUM; NCC GEN ED-HUM
Offered: Fall, Spring
PHI 208 - Asian Philosphy and Religion
Description: An examination of the major living Asian philosophies and religions: Hinduism, Buddhism, Zen Buddhism, Confucianism, and Taoism. The ethical, mystical and metaphysical dimensions of each are considered. Major texts from each tradition are placed in their historical contexts, read and discussed. The significance for us today is stressed.
SUNY GEN ED-GLUM; NCC GEN ED-GLNW, HUM, PLDI
Offered: Fall, Spring
Credit Hours: 4
Department: Philosophy

PHYSICS

PHY 101 - General Physics I
Prerequisites: High School or college algebra and trigonometry or permission of the Department. Successful completion of all remedial English and remedial Reading requirements.
Description: An introductory study of Physics designed to acquaint the student with the fundamentals of kinematics, Newton's Laws of motion, circular motion and gravitation, work and energy, impulse and momentum, simple harmonic motion, temperature, heat, and thermodynamics. The topics will be developed analytically and experimentally. (3 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-GLNW, HUM, PLDI
Offered: Fall, Spring, Summer
Credit Hours: 4
Department: Engineering/Physics/Tech

PHY 110 - Physics for Electronic Technology
Description: Pre-requisites: MAT 117
The course emphasizes an overview of the physical laws underlying selected topics in mechanics, thermodynamics, electromagnetism and optics, and modern physics. The laboratory component involves exercises that are illustrative of physical principles in these areas as well as methods of observation, measurement and data analysis. Laptop computer required. Laboratory fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Offered: Fall, Spring
Credit Hours: 4
Department: Engineering/Physics/Tech

PHY 120 - Physics for Educators
Prerequisites: Students must have a working knowledge of Algebra and Trigonometry or equivalent.
Description: This course studies natural phenomena and everyday life. Covering the fundamental laws and principles of mechanics, electricity, magnetism, sound and light, it provides a basic knowledge of the evolution of physical laws and the underlying concepts that are rapidly changing the way we live. The course material is developed descriptively and demonstrated experimentally. It includes student investigations in recitation and in lab to emphasize the experimental nature of science. Investigations will also be performed using computer software and the internet. The course will also include preparation of lesson plans, grading practices and hands-on experience in the presentation of materials.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Offered: Fall, Spring
Credit Hours: 4
Department: Engineering/Physics/Tech

PHY 121 - Heat and Sound

PHY 122 - Mechanics and Hydraulics
Prerequisites: MAT 122
Description: Designed for students in Engineering, Physics, Mathematics, and the Sciences.
An introduction to mechanics: fundamental laws of statics, dynamics, kinematics, work, energy, power and momentum. Applied problems are an integral part of the course. (5 lecture, 3 laboratory hours) Lab fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Offered: Fall
Credit Hours: 4
Department: Engineering/Physics/Tech

PHY 123 - Heat and Sound
PHY 223 - Introduction to Modern Physics
Prerequisites: MAT 225.
Description: A survey of 20th-century theories of the atom, the nucleus, relativity, quantum properties of waves and particles, wave mechanics, spectra of hydrogen and other atoms, x-rays, the uncertainty principle, radioactive decay, conservation laws in radioactivity, transmutations. Stress is placed on basic principles rather than on applications.
(5 lecture hours)
SUNY GEN ED-GLAB; NCC GEN ED-LSC.
Offered: Spring
Credit Hours: 3

Department: Engineering/Physics/Tech

Political Science

POL

POL 101 - Government and Politics in the Modern World
Prerequisites: Completion of RDG 001 and/or RDG 002.
Description: This course compares and contrasts the major forms of government found in the contemporary world: democratic, authoritarian, and totalitarian. Illustrations and examples will be drawn from both Western and non-Western countries. A basic theme of the course will be the comparative advantages of democratic forms of government over the various alternatives found around the globe today.
SUNY GEN ED-GSBS; NCC GEN ED-SBS, GLNW
Offered: Summer
Credit Hours: 3
Department: History/Poli Sci/Geography

POL 111 - Nassau County: History and Government
Prerequisites: Completion of RDG 001
Description: (Dual listed with HIS 140). A review of the development of what is now Nassau County from pre-Colonial times to the present day. Emphasis is placed upon the governmental-administrative structure of the county and the major problems facing urban-suburban communities. Field trips and guest speakers are utilized to complement class work.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Credit Hours: 3
Department: History/Poli Sci/Geography

POL 205 - American National Government
Prerequisites: Completion of RDG 001 and/or RDG 002.
Description: An exploration of some of the significant areas and issues of contemporary American government and politics. Among the topics included are the scope of government activity in the United States today, the Constitution of the United States, and the evolution and operation of such political institutions as the Presidency, Congress, the Supreme Court and the political parties. SUNY GEN ED-GSBS; NCC GEN ED-SBS
Offered: Summer
Credit Hours: 3
Department: History/Poli Sci/Geography

POL 206 - State and Local Government
Prerequisites: Completion of RDG 001 and/or RDG 002.
Description: An introduction to the essential principles of American state and local government, with special emphasis on New York State, New York City and its suburbs. Among the specific topics covered are Federal-state relations, state constitutions and government structures, and the key issues of contemporary state, city and county politics.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Credit Hours: 3
Department: History/Poli Sci/Geography

POL 208 - Introduction to Public Policy
Prerequisites: Completion of RDG 001 and/or RDG 002.
Description: An examination of the substantive issues of public policy such as taxation, welfare and poverty, military spending, energy, the environment, federalism, criminal justice, health care, education, and civil liberties. The background to each subject, the evolution of the present day governmental policy, and alternatives to present policy are presented along with evaluations of present policies. While the primary focus is on the national level, the state and local level is examined. A secondary focus is on methods, models, and the legal aspects of the policy making process.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Credit Hours: 3
Department: History/Poli Sci/Geography

POL 209 - The U.S. Presidency
Prerequisites: Completion of RDG 001 and/or RDG 002.
Description: A comprehensive multidimensional study of the Institution of the Presidency, its evolution politically, administratively, and legally. The causes, effects, and dilemmas of the growth and power of the executive branch and the tension between an enhanced President and the Congress constitute a key perspective. Presidential politics in its electoral and policy foundation aspects will be highlighted. The President's role in the economy and as a mass media communicator will be explored. SUNY GEN ED-GSBS; NCC GEN ED-SBS
Credit Hours: 3
Department: History/Poli Sci/Geography

POL 210 - The U.S. Congress
Prerequisites: Completion of RDG 001 and/or RDG 002.
Description: The course will describe the legal structure, Constitutional powers, internal work rules and procedures, and the political dynamics of the Congress within the context of the American Federal political scheme. Special emphasis will be placed upon Congressional interactions with the coordinate branches of government as well as with external factors, such as interest groups and public opinion.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Credit Hours: 3
Department: History/Poli Sci/Geography

POL 260 - International Relations
Prerequisites: Completion of RDG 001 and/or RDG 002.
Description: Basic themes of the course are the causes of war and the prospects for peace in the modern world. Among the topics covered are the nature of modern warfare and the impact of nuclear weapons, the East-West struggle, the Third World, diplomacy and espionage as instruments of foreign policy, and the search for world order through international law and the United Nations. SUNY GEN ED-GSBS; GOWC; NCC GEN ED-SBS, GLNW
Offered: Summer
Credit Hours: 3
Department: History/Poli Sci/Geography

POL 261 - Modern Political Ideologies
Description: A survey of the major political ideologies of the world today-fascism, communism, socialism and democracy. Selected readings from the works of Marx, Lenin, Stalin, Mao, Hitler, Mussolini, Jefferson and Locke are used to supplement class lectures. The course offers students an understanding of the political ideas that have shaped the 20th century.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Credit Hours: 3
Department: History/Poli Sci/Geography

Portuguese
COURSE DESCRIPTIONS

SECURITY

PSA

PSA 111 - Introduction to Security
Prerequisites: Completion of RDG 001 and ENG 001.
Description: The historic, philosophical, practical and legal bases of Security. The role of Security and the security individual in modern society, the concept of professionalism, and the relationship to public law enforcement are reviewed. A survey is made of the personnel, physical and administrative aspects of the Security field.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3
Department: Criminal Justice

PSA 224 - Security and the Law
Prerequisites: Completion of RDG 001 and ENG 001.
Description: Course focuses on the various legal components applicable to Security personnel. Available sources of authority, powers, and legal restrictions are analyzed in-depth. Probable cause, the single biggest issue affecting false arrest, is thoroughly reviewed. Arrest, search and seizure, detention, interrogation and the use of force are thoroughly discussed. Special emphasis is placed on criminal and civil sanctions that can be invoked against Security personnel who abuse their authority. Ramifications of tort liability will be examined.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3
Department: Criminal Justice

PSA 225 - Introduction to Emergency Management
Prerequisites: Completion of RDG 001 and ENG 001.
Description: A study of emergency management, this course provides an overview of the Department of Homeland Security's National Incident Management System (NIMS). This course examines the United States Government Interagency Domestic Terrorism Concept of Operations (CONPLAN). It emphasizes the roles of Federal, State, and Local Agencies working effectively and efficiently together to prepare for, prevent, respond to, and recover from domestic incidents, regardless of cause, size, or complexity.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Summer
Credit Hours: 3
Department: Criminal Justice

PSA 211 - Administration and Control of Private Security Force
Prerequisites: Completion of RDG 001 and ENG 001.
Description: The course explores the difference between public and private policing to identify what constitutes Private Security, including the role and functions, the selection of personnel, training of personnel, ethics and conduct of security personnel. The Hallcrest Report, the first comprehensive look at Private Security in more than a decade, is used to examine the resources, contributions and deficiencies of Private Security. The possible relationships with law enforcement agencies and the prospects for forging a partnership to combat crime are reviewed.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3
Department: Criminal Justice

PSA 221 - Administration and Control of Private Security Force
Prerequisites: Completion of RDG 001 and ENG 001.
Description: The course explores the difference between public and private policing to identify what constitutes Private Security, including the role and functions, the selection of personnel, training of personnel, ethics and conduct of security personnel. The Hallcrest Report, the first comprehensive look at Private Security in more than a decade, is used to examine the resources, contributions and deficiencies of Private Security. The possible relationships with law enforcement agencies and the prospects for forging a partnership to combat crime are reviewed.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3
Department: Criminal Justice

FOREIGN LANGUAGES

POR

POR 101 - Beginning Portuguese I
Prerequisites: Satisfactory completion of ENG 001 and RDG 002.
Description: Fundamentals of grammar, pronunciation, culture and conversation. Reading, writing, listening comprehension and simple conversational patterns. This course is not intended for students of Portuguese speaking background. Laboratory fee applies. Laboratory component required.
SUNY GEN ED-GFOL; NCC GEN ED-HUM, WESH
Offered: Fall
Credit Hours: 3
Department: Foreign Languages

POR 102 - Beginning Portuguese II
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. POR 101 or equivalent.
Description: Fundamentals of grammar, pronunciation, culture and conversation. Reading, writing, listening comprehension and simple conversational patterns. Laboratory fee applies. Laboratory component required.
SUNY GEN ED-GFOL; NCC GEN ED-HUM, WESH
Offered: Spring
Credit Hours: 3
Department: Foreign Languages

PSY

PSY 203 - General Psychology I
Description: Designed to familiarize the student with the science of human behavior and mental states; the methods
employed by psychologists; the experimental findings and applications of research; and the important contributions from the behaviorist, psychoanalytic, neuroscientific, and cognitive schools of thought. This course includes the study of learning, perception, cognition, intelligence, social influences, psychological disorders, physiological changes and developmental stages.

SUNY GEN ED-GSBS; NCC GEN ED-SBS

Offered: Fall, Spring, Summer

Credit Hours: 3

Department: Psychology

PSY 204 - General Psychology II: Research and Methods

Prerequisites: PSY 203.

Description: A more comprehensive study of areas covered in PSY 203, especially perception, learning, intelligence and personality. There are demonstrations and participation in experiments in these areas.

SUNY GEN ED-GSBS; NCC GEN ED-SBS

Offered: Fall, Spring, Summer

Credit Hours: 3

Department: Psychology

PSY 206 - Educational Psychology

Prerequisites: PSY 203.

Description: (Dual listed with EDU 206). Students who have taken PSY 206 will not receive credit for EDU 206. This course is intended to provide knowledge and understanding of the major theories and findings of the science of Educational Psychology. The course includes a consideration of such topics as: research methods in educational psychology; the cognitive, personal, social and moral development of students; the impact of student diversity on teaching and learning; the principles and processes of learning; motivational concerns in education; classroom management; techniques of teaching; and methods of assessing student learning.

SUNY GEN ED-GSBS; NCC GEN ED-SBS

Offered: Fall, Spring, Summer

Credit Hours: 3

Department: Psychology

PSY 207 - Industrial Psychology

Prerequisites: PSY 203.

Description: An examination of aspects of behavior that relate to work organizations. Areas covered include pertinent general psychological processes such as learning and motivation; individual difference dimensions such as personality, aptitudes, and attitudes; and characteristics of group and organizational environments.

SUNY GEN ED-GSBS; NCC GEN ED-SBS

Offered: Fall, Spring

Credit Hours: 3

Department: Psychology

PSY 212 - Adolescent Psychology

Prerequisites: PSY 203.

Description: Problems of adolescence as related to childhood and maturity. Physical, emotional, social, intellectual, moral, and religious development; theories of adolescent personality development, the importance of home and community relationships. Observations required.

SUNY GEN ED-GSBS; NCC GEN ED-SBS

Offered: Fall, Spring, Summer

Credit Hours: 3

Department: Psychology

PSY 213 - Child Development

Prerequisites: PSY 203.

Description: Development and analysis of infant and child behavior, motor development, emotional development, motivation, language, thinking, work and play. Problems and methods of child study; application of research; effects of heredity and environment on the individual; individual differences and theories of personality development. Observations required.

SUNY GEN ED-GSBS; NCC GEN ED-SBS

Offered: Fall, Spring, Summer

Credit Hours: 3

Department: Psychology

PSY 214 - Adult Development

Prerequisites: PSY 203.

Description: This course examines theories and research concerning psychological development in adulthood and old age. Among the topics studied are: theories of adult development, motivation, language, thinking, work and play. Problems and methods of child study; application of research; effects of heredity and environment on the individual; individual differences and theories of personality development. Observations required.

SUNY GEN ED-GSBS; NCC GEN ED-SBS

Offered: Spring

Credit Hours: 3

Department: Psychology

PSY 215 - Abnormal Psychology

Prerequisites: PSY 203.

Description: An introduction to behavior pathology. Emphasis is on the evaluation, diagnosis and treatment of disorders and maladaptive behavior. Presentation of different theories and models of normal and abnormal personality.

SUNY GEN ED-GSBS; NCC GEN ED-SBS

Offered: Fall, Spring, Summer

Credit Hours: 3

Department: Psychology

PSY 216 - Lifespan Human Development

Prerequisites: PSY 203.

Description: This course will examine major theories and findings on human development. Development is viewed across the life span from prenatal development through advanced old age. The course integrates theoretical perspectives and serves as a foundation for careers in the behavioral sciences, health, and human services.

SUNY GEN ED-GSBS; NCC GEN ED-SBS

Offered: Fall, Spring, Summer

Credit Hours: 3

Department: Psychology

PSY 219 - Psychology of Art

Prerequisites: PSY 203.

Description: Issues, theories, and methodology in the psychology of visual art. Theories of creativity and profile of the creative individual and thought process. Motivation to view art, pictorial perception, visual preference, sensitivity to style, and aesthetic judgment. Developmental trends in normal, autistic, gifted children's drawings, chimp art and pathological art.

SUNY GEN ED-GSBS; NCC GEN ED-SBS

Offered: Spring

Credit Hours: 3

Department: Psychology

PSY 220 - Brain and Behavior

Prerequisites: PSY 203.

Description: A course examining the structure and functioning of the nervous system on all levels, from the microanatomy and physiology of the neuron to a general description of the cerebral processes which underlie all behavior. Emphasis is placed on a general understanding of the organization of the brain and how this organization relates to both simple and complex behaviors.

SUNY GEN ED-GSBS; NCC GEN ED-SBS

Offered: Fall, Spring, Summer

Credit Hours: 3

Department: Psychology

PSY 235 - Psychology of the Exceptional Child

Prerequisites: PSY 203 and PSY 212 or PSY 213.

Description: Students who have taken EDU 235 will not receive credit for PSY 235. This course examines the psychological,
learning and behavioral characteristics of each category of exceptionality. Students will be introduced to special education laws and their implications for identification, delivery systems, transition plans, and placement procedures. Field experience in a special education setting is required. SUNY GEN ED-GSBS; NCC GEN ED-SBS
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Psychology
PSY 240 - Psychology of Human Adjustment
Prerequisites: PSY 203.
Description: The personality development of the individual, personal awareness and personal growth, adaptive and maladaptive modes of adjustment to social and psychological stresses, including a survey of major issues of current concern and a discussion of the community resources available to the individual with emotional difficulties.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Credit Hours: 3
Department: Psychology
PSY 241 - Social Psychology
Prerequisites: PSY 203.
Description: The behavioral characteristics of individuals, of small and of large groups: their interrelationships, methods of measuring and assessing interactions between the individual and his environment. Motives, attitudes and opinion, social norms and roles, individual personality, group structures and processes, leadership and communication.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Psychology
PSY 490 - Cooperative Education Internship
Prerequisites: PSY 203 and permission of the Instructor and/or Chairperson and approval by the agency offering the internship.
Description: Supervised placement of the student in professional Psychological and Psychology-related settings to enable the student to gain insight into the Psychology field as well as interactive and practical work experience to enhance the formal academic concepts received in the classroom. Students are required to attend five on-campus seminars.
SUNY GEN ED-n/a; NCC GEN ED-SBS
Credit Hours: 4
Department: Psychology

### Reading

#### RDG

**RDG 001 - Individualized Reading and Study Improvement**

Prerequisites: Satisfactory completion of BEP 090, if required.

Description: A required course for students who demonstrate reading deficiencies on the College Placement Test. Instruction will include recognition of main ideas and details, critical reading skills, and vocabulary improvement. Reading comprehension and study skills are enhanced through the practice of outlining, mapping, underlining, and summary writing. Students' strengths and weaknesses are diagnosed through standardized testing and ongoing evaluation. Students are required to attend a supervised Reading laboratory weekly for individualized practice work. (3 lecture hours, 1 laboratory hour) Students assigned to this course must pass it before proceeding to ENG 101.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 0
Department: Reading/BEP

**RDG 002 - Reading and Studying College Texts**

Prerequisites: Satisfactory completion of BEP 090 or RDG 001, if required.

Description: This course is designed to help deficient readers meet the demands of college reading and studying. An in-depth study and application of more advanced reading strategies will be provided using content readings from college texts. All strategies taught will foster the reading/writing/thinking connection. The strategies and knowledge students gain from this course will be applied directly to academic courses. Supplemental practice in reading and studying strategies will be available in a Reading Center.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 0
Department: Reading/BEP

**RDG 003 - Individualized Reading and Reading/Studying College Texts**

Description: Prerequisite: Placement into no more than two remedial courses, one of which is RDG 001, or those students who have passed BEP RDG 090 and exhibit strong mastery of concepts and behaviors integral to that course; eligibility for outgoing BEP students is determined by Department only. This course, which is non-credit, is a one-semester option to replace the two-semester sequence of RDG 001 and RDG 002. Instruction will incorporate pre-reading and active reading strategies including brainstorming, previewing, annotating, outlining, summarizing, paraphrasing, determining main ideas as well as major and minor details, improving general and discipline-specific vocabulary, inferencing, synthesizing information and ideas, and adapting critical reading strategies to a variety of college texts. Students will be encouraged to read, analyze, evaluate and respond to academic text both orally and in writing. Emphasis will be placed on researching, reading and responding to information gleaned from online and print sources. Supplemental practice in reading and study strategies will be available in a Reading Help Center. This course cannot be repeated. Students assigned to this course must pass it in order to proceed to ENG 101.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 6
Department: Reading/BEP

**RDG 030 - Rdg ESL 3 - Reading and Study for the Foreign Student**

Prerequisites: Completion of ELI (English Language Institute) or placement by department.

Description: This is a required course for students who speak English as a second language and who demonstrate a need to develop mastery of college-level reading and study skills. Emphasis will be in the areas of inferential and critical reading, textbook study strategies, library research, vocabulary enrichment and the development of reading fluency. Students are required to attend a supervised reading laboratory session weekly for individualized supplemental instruction. Completion of RDG 030 will enable students to take a credited reading class. (3 lecture hours, 1 laboratory hour).

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 0
Department: Reading/BEP

**RDG 101 - Effective College Reading**

Prerequisites: Satisfaction of all non-credit Reading requirements.

Description: This is an advanced Reading course focusing on the critical reading of expository and narrative text from a variety of print and digital sources. Students will develop critical reading strategies to be used in the context of reading about issues facing them as members of society and as candidates for further study or for the world of work.
will be an emphasis on information literacy and on writing, in response to reading.
SUNY GEN ED-GHUM; NCC GEN ED-HUM
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Reading/BEP

RDG 102 - Speed Reading
Prerequisites: RDG 101 placement.
Description: A concentrated course designed to present the theories of speed reading and to provide the student with extensive practice in developing a greater range in his/her efficient reading rate. Ability to adjust one's reading skills, especially rate and comprehension, to the type and level of the material are the main concern. This course is not designed for a student with a comprehension or vocabulary deficiency.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Reading/BEP

RDG 103 - Reading the New Media
Prerequisites: Satisfaction of all non-credit Reading requirements.
Description: This course invites students to apply the tools of critical reading to the new media. Using advanced literacy and comprehension skills, students will analyze, interpret, assess and synthesize information pertaining to news, contemporary issues, the arts and entertainment coming to them from a variety of on-line and textual sources, including, but not limited to, blogs, on-line newspapers and magazines, wikis, social networking and video sharing sites.
SUNY GEN ED-GHUM; NCC GEN ED-HUM
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Reading/BEP

RDG 104 - News on the Net
Prerequisites: Satisfaction of all non-credit Reading requirements
Description: This course is designed to teach students to become more discriminating news consumers as we are flooded by information and disinformation through the digital technology. The course helps students apply critical reading skills in the indentification of propaganda, bias, fairness, assertion, verification, evidence and implication in the presentation of news. The ramifications of culture, business and government on news delivery and reception by the public will be studied.

SUNY GEN ED-GHUM; NCC GEN ED-HUM
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Marketing & Retailing

Retail Business Management

RET

RET 107 - Principles of Retailing
Description: A survey of the retail industry. The economic importance and structure of retail organizations are studied for their function and interrelationships, operations, and human resources.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Summer
Credit Hours: 3
Department: Marketing & Retailing

RET 109 - Visual Merchandising
Description: Visual merchandising of retailing goods: effective window and interior display; appropriate equipment and materials; color, lighting, and general arrangements. A hands-on approach is utilized whereby students design and construct exterior and interior displays. Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3
Department: Marketing & Retailing

RET 111 - Retail Merchandising
Prerequisites: RET 119 or permission of Department Chairperson.
Description: This course covers the fundamentals of merchandising, markup and markdown, stock turnover, stock-sales ratio, retail method of inventory, open-to-buy, unit stock control, the merchandise plan, merchandising and the computer.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3
Department: Marketing & Retailing

RET 115 - Textiles
Description: Identification of fibers and fabrics, and analysis of construction of cloth to determine strength, durability and usefulness are included in this course. Methods and effects of finishing cloth. In addition, laws relating to the labeling and advertising of textiles and textile products are discussed. Geared to the needs of students who plan careers in apparel design, interior design, retailing, fashion marketing, and consumerism.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3
Department: Marketing & Retailing

Russian

RUS

RUS 101 - Beginning Russian I
Prerequisites: Satisfactory completion of ENG 001 and RDG 002.
Description: Fundamentals of grammar, pronunciation, culture and conversation. Reading, writing, listening comprehension and simple conversational patterns. This
COURSE DESCRIPTIONS

Physical Sciences

Department: Foreign Languages

RUS 102 - Beginning Russian II
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. RUS 101 or equivalent.
Description: Development of listening, speaking, reading and writing skills. Conversation and writing practice stimulated through a wide variety of cultural materials. Laboratory fee applies. Laboratory component required.
SUNY GEN ED-GFOL; NCC GEN ED-HUM, GLNW
Offered: Fall, Spring
Credit Hours: 3

RUS 201 - Intermediate Russian I
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. RUS 102 or equivalent.
Description: Development of listening, speaking, reading and writing skills. Conversation and writing practice stimulated through a wide variety of cultural materials. Laboratory fee applies. Laboratory component required.
SUNY GEN ED-GFOL; NCC GEN ED-HUM, GLNW
Offered: Fall
Credit Hours: 3

RUS 202 - Intermediate Russian II
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. RUS 201 or equivalent.
Description: Development of listening, speaking, reading and writing skills. Conversation and writing practice stimulated through a wide variety of cultural materials. Laboratory fee applies. Laboratory component required.
SUNY GEN ED-GFOL; NCC GEN ED-HUM, GLNW
Offered: Spring
Credit Hours: 3

Department: Physical Sciences

SCI 101 - Principles of Physical Science
Description: This is an introductory course designed to involve the non-science oriented student in an investigation of some of the basic concepts and processes of science. There will be an introduction to measurement and information gathering techniques used by scientists, along with an examination of basic principles of phenomena such as motion, gravity, energy, and heat. Laboratory experiments will enable the students to investigate scientific principles as they apply to the world. (3 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Offered: Fall, Spring, Summer
Credit Hours: 4

SCI 102 - Material Science
Description: The course is designed to continue the investigation of physical science principles with a focus on chemical aspects. Such topics as electricity, atomic structure, chemical nature and behavior, ionization, reactions, and compound formation will highlight the study. Laboratory experiments will enable the students to investigate scientific principles as they apply to the world. (3 lecture, 3 laboratory hours) Lab fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Offered: Fall, Spring
Credit Hours: 4

SCI 103 - Physical Geology
Description: This course presents principles of the study of the earth outlining how the science began in the late 1700s from natural curiosity progressing to our present knowledge of the earth as a dynamic entity. Students will study its surface features and processes and then can appreciate how patterns observed have allowed for interpretations of what is going on within the interior. Such aspects include but are not limited to earthquakes, volcanism, origin and deformation of mountain belts and ocean basins, the work of running water, glaciers and wind. In lab, students are provided a hands-on approach to the study of minerals, igneous, sedimentary and metamorphic rocks and will learn how to use a topographic map. A one-day field trip may be offered to illustrate and reinforce the concepts introduced. (3 lecture, 3 laboratory hours) Lab fee applies. A special section of Physical Geology may be offered each semester through the College of the Air program. This distance-learning course uses DVDs, the internet, computers and other electronic media to complete the course assignments. Therefore, students must have access to a computer and a DVD player. Students will occasionally meet with the instructor on campus to perform laboratory experiments and to take exams. Special sections of Physical Geology may be offered which cover most of the topics above but which present the popular field of gemology, allowing the students to work with professional instruments to identify a large suite of gems, both natural and synthetic. Lab fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Offered: Fall, Spring, Summer
Credit Hours: 4

SCI 104 - Historical Geology
Description: This is a problem-oriented approach to the study of the geologic history of the planet earth. Laboratory methods are emphasized in conjunction with the fundamental tools of geology. The origins and evolution of the continents and ocean basins are examined both from a classical perspective, and through the utilization of the theories of continental drift and plate tectonics. The histories of select areas will be examined with an emphasis placed on the techniques used in the interpretation of the ancient environments in which the rock record was formed. A one-day field trip may be offered to illustrate and reinforce the concepts introduced. (3 lecture, 3 laboratory hours) Laboratory fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Offered: Fall, Spring
Credit Hours: 4

SCI 105 - Solar System Astronomy
Description: The historical development of the physical laws and theories basic to the study of the solar system is studied. Physical characteristics of the earth, moon, planets and sun are discussed including findings of unmanned planetary exploration. Students are required to attend at least two evening observation sessions during the semester. Students gain a working knowledge of the operation of a telescope. (3 lecture, 3 laboratory hours) Lab fee applies. Note: A special section of Solar System Astronomy may be offered each semester through the College of the Air program. This distance-learning course uses DVDs, the internet, computers and other electronic media to complete the course assignments. Therefore, students must have access to a computer and a DVD player. Students will occasionally meet with the instructor on campus to perform laboratory experiments and take exams. Lab fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI
Offered: Fall, Spring, Summer
Credit Hours: 4
Credit Hours: 4
Department: Physical Sciences

SCI 106 - Stellar and Galactic Astronomy
Description: The student is introduced to the historical development of theories basic to understanding the concepts of the universe beyond the solar system and studies the evolution of stars and galaxies in terms of observations. Included are discussions of quasars, pulsars, black holes and the Big Bang Theory. Students are required to attend at least two evening observation sessions during the semester. (3 lecture, 3 laboratory hours) Lab fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI.
Offered: Fall, Spring, Summer
Credit Hours: 4
Department: Physical Sciences

SCI 107 - Meteorology
Description: To understand the daily and seasonal weather, students will be introduced to basic weather elements such as temperature, pressure, and humidity. Real-time weather maps from the Internet are often used in class to enhance the study of particular topics. After a good foundation in the basic principles of meteorology, various atmospheric phenomena will be discussed, including the formation of rainbows, thunderstorms, lightning, tornadoes and hurricanes. Many of these phenomena are illustrated on videotape. Laboratory exercises include the study of weather instruments, analysis of surface and upper air maps, analysis of soundings on Skew-T diagrams, and weather forecasting. A special section of meteorology may be offered each semester as a hybrid online course. This distance-learning course uses real-time weather data to study the principles of meteorology. Students must have access to a computer and the internet in order to download or print the weekly lessons. Communication between the instructor and student is through the course website. Students will occasionally meet with the instructor on campus to do laboratory experiments that require equipment and to take exams. (3 lecture, 3 laboratory hours) Lab fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI.
Offered: Fall, Spring, Summer
Credit Hours: 4
Department: Physical Sciences

SCI 108 - Climatology
Description: Meteorological elements such as temperature, precipitation, pressure, and wind will be studied to provide an understanding of the different climates around the world. Students will learn how climate can influence agriculture, clothing, housing, and transportation in different parts of the world. The interdisciplinary nature of this course is evident in the study of how scientists have used biology, meteorology, geology, astronomy, physics, chemistry, oceanography and computer modeling to determine the climates of the past and predict the climates of the future. The study of climate change will include astronomical theories, the ocean conveyor belt, ozone depletion, global warming and El Nino and La Nina. (3 lecture, 3 laboratory hours) Lab fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI.
Offered: Fall, Spring
Credit Hours: 4
Department: Physical Sciences

SCI 109 - Environmental Science
Description: Some Saturday field trips may be required of evening students. This course offers an introduction to the basic principles of ecology, population and food production problems. The course also examines the basic principles concerning air and water pollution. Laboratory exercises are designed to measure the local air and water quality. The modes of detection and prevention of environmental pollution will be investigated and discussed. Field trips and laboratory exercises are a required part of the course. Students must provide their own transportation to and from the field trip sites. (3 lecture, 3 laboratory hours) Lab fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI.
Offered: Fall, Spring, Summer
Credit Hours: 4
Department: Physical Sciences

SCI 110 - Environmental Resources
Prerequisites: SCI 109 is recommended but not required.
Description: The course involves the investigation of current problems in our environment. The areas which will be discussed will be the problems of solid waste and various methods of its disposal; the effects of pollutants from present and future energy sources; noise pollution and the effects of radiation on people and the environment. Field trips and laboratory exercises are a required part of the course. Students must provide their own transportation to and from the field trip sites. (3 lecture, 3 laboratory hours) Lab fee applies.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI.
Offered: Fall, Spring, Summer
Credit Hours: 4
Department: Physical Sciences

SCI 115 - Beaches and Coasts
Description: This course introduces the study of beach and coastal processes and environments. It examines coastal morphology such as barrier islands, spits, dunes and marshes and introduces the effects of plate tectonics, glaciers, and rivers on beaches and coasts. It also examines tidal currents, wave action, longshore currents and transport, and estuarine circulation. Human activities and the effects of man-made (anthropogenic) structures will also be emphasized. Students will also study the various methods used for study of coastal environments. Field trip(s) required.
SUNY GEN ED-n/a; NCC GEN ED-ASC, NSCI
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 3
Department: Physical Sciences

SCI 116 - The Universe
Description: This course introduces the study of the Universe through cosmology. It examines theories of the history of the universe, the nature of dark matter and dark energy, and the origin of elementary particles and ordinary matter on the large-scale structure. Emphasis will be placed on space and time as basic concepts in physical science and how modern measurements and discoveries allow us to determine the size, age, and future fate of the universe. Other topics include theories of parallel universes and time travel.
SUNY GEN ED-n/a; NCC GEN ED-ASC, NSCI
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 3
Department: Physical Sciences

SCI 119 - Oceanology
Description: (Dual listed with BIO 119). This is a three-credit course and does not fulfill the laboratory science requirement needed for graduation. There will be no waivers issued under any circumstances. One field laboratory during the term. The course is designed as an overview of the structure, origin, and evolution of the world’s oceans. Investigations will include analysis of abiotic factors such as sediments, coastlines, water properties, and movement. Students will take a close look at general water circulation, tides, currents, waves, and the effects of weather and climate. Further investigations will focus on biotic factors such as marine organisms, food chains, resources, and man’s relationship to the sea. (3 lecture hours)
SUNY GEN ED-GLAB; NCC GEN ED-NSCI.
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Physical Sciences
Department: Physical Sciences

SCI 120 - Environmental Issues of Metropolitan New York
Prerequisites: Permission of Instructor.
Description: This is a limited enrollment course that runs during select intersessions for a period of 10 days. Special fees for transportation are required. This course is an intensive investigation of the current environmental problems facing society using the greater metropolitan area of New York as the focal point. Students will receive firsthand experience with current environmental problems through field trip observations and surveys. Problems dealing with the physical treatment of oil spills, the scientific formulation of environmental impact statements, and the effects of heavy industry on air quality will be some of the issues under consideration. The field trips and laboratory activities will be designed to reinforce the topics discussed during lecture.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI.
Offered: May Special
Credit Hours: 4

Department: Physical Sciences

SCI 203 - Field Laboratory Geology
Prerequisites: Permission of Instructor.
Description: This is a limited enrollment course that runs during select intersessions for a period of 10 days. Special fees for transportation are required. This is an activity-oriented approach to the study of some of the regionally accessible geologic features: their processes, history and beauty. The participants in this course will be introduced to a varied curriculum of the regional physical, historical, economic and environmental geologic phenomena. A brief sampling of some topics open to investigation are: post glacial features, coastal barrier beach problems/dynamics, the identification of major rock outcrop features, mining operations, and mineral and fossil collecting. Laboratory and field equipment will be used for the gathering of specimens and data to help develop an understanding of the gross geologic aspects of a particular location. A portion of the time needed to accomplish these goals will be spent as preparation and review on campus in the laboratory/lecture room. Field sites will be reached primarily through the use of chartered transportation.
SUNY GEN ED-GLAB; NCC GEN ED-LSCI.
Offered: May Special
Credit Hours: 4

Department: Physical Sciences

SOC 201 - Introduction to Sociology
Description: Major theories, methodology and research findings of Sociology. The nature, organization and development of modern society. Sociological examination of varied forms of group life, including small groups, families, bureaucracies, formal organizations, social classes and ethnic groups. Analysis of social process and social change.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Offered: Fall, Winterim, Spring, Summer
Credit Hours: 3

Department: Sociology

SOC 202 - American Society
Prerequisites: SOC 201 or ANT 203.
Description: American society and its peoples: their class, ethnic and racial characteristics, their attitudes and behavior patterns. Exploration of family, educational, industrial, political and recreational institutions in American communities. Analysis of the effects of urbanization, industrialization and bureaucratization of American life.
SUNY GEN ED-GSBS; NCC GEN ED-SBS, PLDI
Offered: On Occasion
Credit Hours: 3

Department: Sociology

SOC 207 - Sociology of Religion
Prerequisites: SOC 201 or ANT 203.
COURSE DESCRIPTIONS

SUNY GEN ED-GSBS; NCC GEN ED-SBS, PLDI
Offered: Fall, Spring
Credit Hours: 3
Department: Sociology
SOC 209 - Race, Class, Ethnicity
Description: This course explores racial, ethnic, and class diversity, identity, and inequality. It examines social relations between and among racial and ethnic groups in the United States, and relevant comparisons to other western and non-western societies. It examines the role of discrimination, prejudice, and stereotyping in intergroup relations. Also, it investigates how class privileges and disadvantages shape patterns of social mobility. The course pays particular attention to immigration to the United States and its effects on American society, in light of current research and theory.
SUNY GEN ED-GSBS; NCC GEN ED-PLDI, SBS
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Sociology

SOC 210 - Criminology
Prerequisites: SOC 201 or ANT 203.
Description: The nature, significance and causes of crime: statistics of crime and delinquency; historical development of criminological theory; modern explanations of crime, criminal laws and courts; police and prisons.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Sociology

SOC 212 - Social Problems
Prerequisites: SOC 201 or ANT 203.
Description: Application of sociological principles to problems of social disorganization and deviant behavior in industrial societies. Analysis of such problems as family disorganization, race conflict, poverty, mental illness, suicide, aging, crime and delinquency, drug and alcohol addiction, overpopulation and the ecological crisis.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Sociology

SOC 214 - African American Culture
Description: (Dual listed with AFR 185).
A comprehensive survey of the various aspects of the lives, styles, values, art forms and social impact of the African American. The course includes varying lifestyles at different socioeconomic levels; speech patterns; the role of the church as a religious, historical, political and recreational institution; African American cultural patterns; and the influence of Africa.
SUNY GEN ED-GSBS; NCC GEN ED-PLDI, SBS
Offered: Fall, Spring
Credit Hours: 3
Department: Sociology

SOC 215 - Social Change
Prerequisites: SOC 201 or ANT 203 or permission of Instructor.
Description: This course analyzes social change and its impact in western and non-western societies. Focusing on classical and contemporary sociological theories, topics addressed include: the effects of changes in technology, population, the environment and economy; organized movements for social change and social justice.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Offered: On Occasion
Credit Hours: 3
Department: Sociology

SOC 216 - Aging, Society and Culture
Prerequisites: SOC 201 or ANT 203.
Description: Students will explore the diverse aspects of aging through field research and a survey of the literature. Topics will include theories on aging, cross-cultural material, family and kinship relations, friendship patterns, voluntary associations, political participation, and financial, health, legal and other social problems. Career opportunities in gerontology will be explored.
SUNY GEN ED-GSBS; NCC GEN ED-SBS, PLDI
Offered: On Occasion
Credit Hours: 3
Department: Sociology

SOC 220 - Sociology of the Family
Prerequisites: SOC 201 or ANT 203.
Description: The family as a social institution and the roles of men, women and children in different societies. Types of families; how they develop and change. The social characteristics of the American family, its relation to the economy, government, religion and law. Problems of the family in modern industrial societies; conflict, divorce, mobility and mental illness.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Sociology

SOC 222 - Sociology of Gender
Prerequisites: SOC 201 or ANT 203.
Description: This course introduces students to sociological perspectives on gender and sexuality. It focuses on the social construction of gender and sexuality in the American and European contexts, from interaction and socialization to inequality and social movements. Topics include power and inequality, gender diversity (including transgenderism), sexuality and heterosexism, representations of women and men in the mass media, and gender and social change.
SUNY GEN ED-GSBS; NCC GEN ED-SBS, PLDI
Offered: Fall, Spring
Credit Hours: 3
Department: Sociology

SOC 225 - Sociology of Health Care
Prerequisites: SOC 201 or ANT 203 or permission of Instructor.
Description: Health and illness in American society and in cross-cultural perspective. Hospitals as organizations with complex staffs, needs and goals. Community and hospital in interaction. Health care delivery in a changing society.
SUNY GEN ED-GSBS; NCC GEN ED-SBS
Offered: Fall
Credit Hours: 3
Department: Sociology

Spanish

SPA

SPA 101 - Beginning Spanish I
Prerequisites: Satisfactory completion of ENG 001 and RDG 002.
Description: Fundamentals of grammar, pronunciation, culture and conversation. Reading, writing, listening comprehension and simple conversational patterns. This
SPA 151 - Practical Spanish for Medical Personnel I
Prerequisites: Satisfactory completion of ENG 001 and RDG 002.
Description: This is the first course in the SPA 151 - SPA 152 sequence. A course for students in medical areas who wish to communicate effectively with Spanish-speaking people. It includes a systematic presentation of health-related terminology, and practice in using culturally appropriate Spanish in typical medical and hospital situations. Laboratory fee applies. Laboratory component required. Students who took SPA 251 will not receive credit for SPA 151.
SUNY GEN ED-GFOL; NCC GEN ED-HUM
Offered: Fall
Credit Hours: 3
Department: Foreign Languages

SPA 152 - Practical Spanish for Medical Personnel II
Prerequisites: Satisfactory completion of ENG 001 and RDG 002.
Description: This is the second course in the SPA 151 - SPA 152 sequence. A course for students in medical areas who wish to communicate effectively with Spanish-speaking people. It includes a systematic presentation of health-related terminology, and practice in using Spanish in typical medical and hospital situations. Laboratory fee applies. Laboratory component required. Students who took SPA 252 will not receive credit for SPA 152.
SUNY GEN ED-GFOL; NCC GEN ED-HUM
Offered: Spring
Credit Hours: 3
Department: Foreign Languages

SPA 201 - Intermediate Spanish I
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. SPA 102 or equivalent.
Description: This is the first course in the SPA 201-SPA 202 sequence. Development of listening, speaking, reading and writing skills. Conversation and writing practice stimulated through a wide variety of cultural materials. Laboratory fee applies. Laboratory component required. Students who took SPA 251 will not receive credit for SPA 151.
SUNY GEN ED-GFOL; NCC GEN ED-HUM
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Foreign Languages

SPA 202 - Intermediate Spanish II
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. SPA 201 or equivalent.
Description: This is the second course in the SPA 201-SPA 202 sequence. Development of listening, speaking, reading and writing skills. Conversation and writing practice stimulated through a wide variety of cultural materials. Laboratory fee applies. Laboratory component required. Students who took SPA 252 will not receive credit for SPA 152.
SUNY GEN ED-GFOL; NCC GEN ED-HUM
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Foreign Languages

SPA 205 - Intermediate Spanish for Bilingual Speakers I
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. For native/bilingual speakers only.
Description: This is the first course in the SPA 205-SPA 206 sequence. These courses offer students who are "native" or bilingual speakers, (who have some knowledge of the spoken language, but who have had little or no formal training) an opportunity to correct and improve effective expression in written and spoken Spanish as well as exposure to the cultural production (literature, film, art) of the Spanish-speaking world.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Foreign Languages

SPA 206 - Intermediate Spanish for Bilingual Speakers II
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. For native/bilingual speakers only.
Description: This is the second course in the SPA 205-SPA 206 sequence. These courses offer students who are "native" or bilingual speakers, (who have some knowledge of the spoken language, but who have had little or no formal training) an opportunity to correct and improve effective expression in written and spoken Spanish as well as exposure to the cultural production (literature, film, art) of the Spanish-speaking world.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Foreign Languages

SPA 225 - Spanish for Business
Prerequisites: Satisfactory completion of ENG 001 and RDG 002. SPA 102 or permission of the instructor.
Description: Using print, video, and electronic media this course offers students a practical
knowledge of Spanish business terminology and procedures. It will introduce students to such topics (in Spanish) as commercial letter writing, telephone etiquette, filling out business forms, etc. Students will also learn how to deal with cultural aspects of the international business environment. Laboratory fee applies. Laboratory component required. 

SUNY GEN ED-GFOL; NCC GEN ED-HUM 

Credit Hours: 3 
Department: Foreign Languages

SPA 301 - Advanced Spanish I 

Prerequisites: Satisfactory completion of ENG 001 and RDG 002. SPA 202 or equivalent. 

Description: This is the first course in the SPA 301-SPA 302 sequence. More complex grammar, enrichment of vocabulary, and improvement of proficiency in speaking, reading, writing, and translation, combining traditional methodology with a multimedia approach to literature and/or civilization. Class conducted in Spanish. 

SUNY GEN ED-GFOL; NCC GEN ED-HUM, WESH 
Offered: Fall 

Credit Hours: 3 
Department: Foreign Languages

SPA 302 - Advanced Spanish II 

Prerequisites: Satisfactory completion of ENG 001 and RDG 002. 

Description: This is the second course in the SPA 301-SPA 302 sequence. More complex grammar, enrichment of vocabulary, and improvement of proficiency in speaking, reading, writing, and translation, combining traditional methodology with a multimedia approach to literature and/or civilization. Class conducted in Spanish. 

SUNY GEN ED-GFOL; NCC GEN ED-HUM, WESH 
Offered: Spring 

Credit Hours: 3 
Department: Foreign Languages

SPA 401 - Introduction to Spanish Literature I 

Prerequisites: Satisfactory completion of ENG 001 and RDG 002. SPA 202 or equivalent; SPA 301 or SPA 302 recommended. 

Description: Readings in representative works from the 17th century to the contemporary period, supplemented by class discussions and student reports. Class conducted in Spanish. 

SUNY GEN ED-GFOL; NCC GEN ED-HUM, WESH, LIT 
Offered: Spring 

Credit Hours: 3 
Department: Foreign Languages

SPA 402 - Introduction to Spanish Literature II 

Prerequisites: Satisfactory completion of ENG 001 and RDG 002. SPA 202 or equivalent; SPA 301 or SPA 302 recommended. 

Description: Readings in representative works from the 17th century to the contemporary period, supplemented by class discussions and student reports. Class conducted in Spanish. 

SUNY GEN ED-GFOL; NCC GEN ED-HUM, WESH, LIT 
Offered: Spring 

Credit Hours: 3 
Department: Foreign Languages

SPA 403 - Introduction to Spanish-American Literature I 

Prerequisites: Satisfactory completion of ENG 001 and RDG 002. SPA 202 or equivalent; SPA 301 or SPA 302 recommended. 

Description: Readings in representative works from the pre-Colombian period to 1880, supplemented by class discussion and student reports. Class conducted in Spanish. 

SUNY GEN ED-GFOL; NCC GEN ED-HUM, WESH, LIT 
Offered: Fall 

Credit Hours: 3 
Department: Foreign Languages

SPA 404 - Introduction to Spanish-American Literature II 

Prerequisites: Satisfactory completion of ENG 001 and RDG 002. SPA 202 or equivalent; SPA 301 or SPA 302 recommended. 

Description: Readings in representative works from the period of Modernism through the contemporary period, supplemented by class discussion and student reports. Class conducted in Spanish. 

SUNY GEN ED-GFOL; NCC GEN ED-HUM, WESH, LIT 
Offered: Spring 

Credit Hours: 3 
Department: Foreign Languages

Student Personnel Services

SPS 

SPS 093 - BEP Seminar 
Description: (Dual listed with BEP 093). 

SPS 101 - Career Orientation 
Department: Student Personnel Services 
Description: This is a transitional introductory career awareness course that assists the individual to learn from self-appraisal activities and career information gathering. Topics to be covered include: understanding one's interests, skills, work values and personality style as well as an investigation of career fields. 

SUNY GEN ED-n/a; NCC GEN ED-n/a 
Offered: Fall, Winterim, Spring, Summer 

Credit Hours: 1 
Department: Student Personnel Services

SPS 102 - Career Development and Exploration 
Department: Student Personnel Services 
Description: The course examines individual behavior in the social contexts of personal, family, work, and group backgrounds. Using extensive career development and psychological theories from a wide range of research, the course assists the individual to determine successful methods of self-assessment and exploration, resulting in the achievement of a broad perspective of the world of work. Social factors such as job market volatility, industry trends and environmental and technological needs are reviewed for successful career exploration and decision making. 

SUNY GEN ED-GSBS; NCC GEN ED-n/a 
Offered: Fall, Spring, Summer 

Credit Hours: 3 
Department: Student Personnel Services

SPS 103 - Academic Success 
Prerequisites: Course restricted to students on Academic Warning status, Academic Probation status and students returning after Academic Dismissal. 
Description: Academic Success is a course designed to help at-risk students assess and apply the life skills and the academic strategies they need in order to improve their academic performance. Students
will explore the factors that contributed to their academic difficulty and learn how to develop a comprehensive plan for academic success. Topics to be covered include: organizational techniques, effective planning, self-assessment, motivation, and self-management.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Winter, Spring, Summer
Credit Hours: 3
Department: Student Personnel Services

SPTS 111 - Understanding Substance Use, Abuse and Addiction

Description: The course will address the nature of chemical dependency, recovery and treatment. Students will have an opportunity to analyze their own assumptions and attitudes toward chemicals and chemically dependent persons and develop an understanding of the biopsychosocial disease model of addiction. The course will also provide students with an understanding of drugs and drug abuse in American culture. The history of various drugs, their effects on society and human behavior will be examined.

SUNY GEN ED-GSBS; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Student Personnel Services

SPTS 201 - Perspectives on People with Disabilities

Description: The course enables the understanding of the social and personal experiences of people with disabilities. Emphasis is placed on how different cultures view and interact with this population.

SUNY GEN ED-GSBS; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Student Personnel Services

SPTS 202 - Career Management

Prerequisites: SPTS 102 or permission of Department
Description: This course is intended for students who have already engaged in the career exploration process. Topics to be covered include: self-awareness, world of work and survey of career fields, employer research, employment organizational structures, effective networking, targeted resume and cover letter development, interviewing skills, professional etiquette, experiential learning, motivational theory and development, and self marketing strategies. This is a hands-on learning experience emphasizing the development of lifelong career management skills and tools.

SUNY GEN ED-GSBS; NCC GEN ED-n/a
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Student Personnel Services

Studio Recording Technology

SRT

SRT 101 - Music Business I
Corequisites: SRT 103 and SRT 105.
Description: Survey of music business practices and music industry markets. Topics include publishing, copyright, sample clearance, performance licensing and management. Limited to Studio Recording Technology Certificate students.

SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Music

SRT 102 - Music Business II
Prerequisites: Minimum grade of C in SRT 101.
Corequisites: SRT 104 and SRT 106.
Description: Survey of music business practices focusing on recording contracts and career planning. Limited to Studio Recording Technology Certificate students.

SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Music

SRT 103 - Music Theory I
Corequisites: SRT 101 and SRT 105.
Description: Survey of music theory practices and applications. Rudiments of music, including notation, rhythm, scales, intervals and triads. Limited to Studio Recording Technology Certificate students. SUNY GEN ED-n/a; NCC GEN ED-FAPA
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Music

SRT 104 - Music Theory II
Prerequisites: Minimum grade of C in SRT 103.
Corequisites: SRT 102 and SRT 106.
Description: Survey of music theory practices and commercial music applications. Specific study of commercial music formats and language. Limited to Studio Recording Technology Certificate students.

SUNY GEN ED-n/a; NCC GEN ED-FAPA
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Music

Statistics

STA

STA 110 - Introduction to Statistical Research Design
Prerequisites: MAT 102.
Description: General elective course for Liberal Arts, Business, Social Sciences, Humanities, and Statistics students. Introduces the components of research design and research report writing. Different school research designs are included.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3
Department: Math/Computer Science/Info Tec

Telecommunications Technology

TCT

TCT 141 - Telecommunications Circuits
Description: This course will train students in the application of Ohm's law, Kirchhoff's laws, analysis of DC and AC passive circuits (including RLC circuits), impedances, power supplies, semiconductors, resonance, and transformers. Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 4
Department: Engineering/Physics/Tech

TCT 144 - Digital Electronics for Telecommunications I
Prerequisites: MAT by advisement, CMP 103, TCT 141 and ENG 100 or ENG 101.
Description: This course will prepare students in digital electronics with topics related to number systems and codes, logic functions, and Boolean algebra. IC building blocks are used in applications ranging from logic gates to flip-flops, counters, registers, and arithmetic circuits. Algebraic reduction and mapping are used to minimize Boolean expressions and combinational logic circuits. Computer stimulation of digital circuits will be used to verify actual hardware setups. Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring
Credit Hours: 4
Department: Engineering/Physics/Tech

TCT 151 - Telecommunications I Voice
Description: An introduction to the techniques, principles, and terminology of voice telecommunications will be presented. Public and private telecommunication networks will be examined. Telecommunication equipment, switching and transmission technology will be demonstrated. The frequency spectrum, modulation schemes and multiplexing techniques will be explored. Lectures, interactive learning, demonstrations will be employed. Laboratory exercises will be required. Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall, Spring
Credit Hours: 4
Department: Engineering/Physics/Tech

TCT 252 - Telecommunications II - Data
Prerequisites: TCT 144.
Description: An introduction to the techniques, principles, and terminology of Data Communications will be presented. Public and private networks will be examined. Data communication equipment, multiplexing, and interactive learning demonstrations will be employed. Laboratory exercises will be required. Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Fall
Credit Hours: 4
Department: Engineering/Physics/Tech

TCT 253 - Telecommunications III - LAS
Prerequisites: TCT 144.
Description: An introduction to the technology and terminology of Local Area Networks (LANs) will be presented. The topologies, transmission media, network interfaces, and the access methods will be examined. Shared resources and interconnecting of LANs will be explored. Lectures, interactive learning and demonstrations will be employed. Laboratory exercises will be required. Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring
Credit Hours: 4
Department: Engineering/Physics/Tech

TCT 254 - Telecommunications IV
Prerequisites: TCT 144.
Description: A survey of current and emerging technologies in telecommunications will be presented. Lectures, interactive learning, demonstrations, and site visits will be employed. Laboratory exercises will be required. Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Offered: Spring
Credit Hours: 4
Department: Engineering/Physics/Tech

Theatre

THR

THR 100 - Theatre Appreciation
Prerequisites: Satisfactory completion of remedial reading.
Description: A survey of the aesthetic and technical factors involved in the emergence of written drama as a produced work of theatre art. For students whose curricular emphasis is not theatre. Attendance at theatrical productions required.
SUNY GEN ED-GART; NCC GEN ED-WESH, FAPA, HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Theatre & Dance

THR 101 - Introduction to Theatre History I
Prerequisites: Satisfactory completion of remedial reading.
Description: An introduction to the arts of the theatre with special emphasis on (1) the evolution and historical development of the play and the physical theatre and (2) the function and interdependence of the various artists and craftsmen in the theatre from primitive times through the Renaissance. Attendance at theatrical productions required. (See THR 201)
SUNY GEN ED-GHUM, GART; NCC GEN ED-WESH, FAPA, HUM
Offered: Fall
Credit Hours: 3
Department: Theatre & Dance

THR 102 - Introduction to Black Theatre in America
Description: (Dual listed with AFR 190)
An introduction to the literature and artists of the contemporary African American theatre. The course includes representative playwrights, actors and technicians as speakers in the class and field trips to theatre productions. Students have the opportunity to work in at least one production per semester, selected from contemporary African American drama which may, whenever possible, be performed in the community.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall, Spring, Summer
Credit Hours: 3
Department: Theatre & Dance

THR 103 - Acting I
Prerequisites: Satisfactory completion of remedial reading.
Description: Fundamental training of the actor as a theatrical instrument. Physicalization, characterization and interpretation are applied to improvisations, monologues and scenes. Actor's script analysis, psychological and emotional preparation are emphasized in scene and monologue study.
SUNY GEN ED-GART; NCC GEN ED-FAPA, HUM

Nassau Community College: http://collegecatalog.ncc.edu/current

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THR 103 - Summer Theatre Workshop I
Prerequisites: Permission of the Chairperson required.
Description: Intensive training in the production, rehearsal and performance of plays.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Summer
Credit Hours: 3
Department: Theatre & Dance

THR 114 - Production and Performance
Description: This is the second course in the THR 113-THR 114 sequence. Participation in the production, rehearsal and performance of major College theatre productions. Assignments include constructing and painting scenery, hanging lighting instruments, stage management, running crew, etc. Students who are cast in productions (by audition only) are also required to participate in technical production tasks. Open to Theatre and Acting degree students; others by Department permission only.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall
Credit Hours: 1
Department: Theatre & Dance

THR 110 - Movement for Stage I
Prerequisites: for Acting A.A. degree majors only or permission of Chairperson.
Description: Training in movement to prepare the body as a dramatic instrument. Emphasis on flexibility so the actor may express physically a wide range of attitudes, traits and emotions. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-HUM
Fall Only
Credit Hours: 1
Department: Theatre & Dance

THR 113 - Summer Theatre Workshop I
Prerequisites: Permission of the Chairperson required.
Description: Intensive training in the production, rehearsal and performance of plays.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Summer
Credit Hours: 3
Department: Theatre & Dance

THR 115 - Production and Performance
Description: This is the first course in the THR 113-THR 116 sequence. Participation in the production, rehearsal and performance of major College theatre productions. Assignments include constructing and painting scenery, hanging lighting instruments, stage management, running crew, etc. Students who are cast in productions (by audition only) are also required to participate in technical production tasks. Open to Theatre and Acting degree students; others by Department permission only.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall
Credit Hours: 1
Department: Theatre & Dance

THR 116 - Production and Performance
Description: This is the second course in the THR 115-THR 116 sequence. Participation in the production, rehearsal and performance of major College theatre productions. Assignments include constructing and painting scenery, hanging lighting instruments, stage management, running crew, etc. Students who are cast in productions (by audition only) are also required to participate in technical production tasks. Open to Theatre and Acting degree students; others by Department permission only.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Spring
Credit Hours: 1
Department: Theatre & Dance

THR 117 - African American Theatre Ensemble, Rehearsal and Performance
Description: (Dual listed with AFR 191). This is the first course in the THR 117-THR 118 sequence. Participation in the production, rehearsal and performance of the African American Theatre Ensemble productions.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall
Credit Hours: 1
Department: Theatre & Dance

THR 118 - African American Theatre Ensemble, Rehearsal and Performance
Prerequisites: THR 117.
Description: (Dual listed with AFR 192) This course is the second half of the THR 117-THR 118 sequence. Participation in the production, rehearsal and performance of the African-American Theatre Ensemble productions.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Spring
Credit Hours: 1
Department: Theatre & Dance

THR 119 - Movement for Stage II
Prerequisites: for Acting A.A. degree majors only or permission of the Department.
Description: Practice in the development of voice for the stage; concentrated practice in developing more effective voice and diction habits for the individual actor. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall
Credit Hours: 1
Department: Theatre & Dance

THR 120 - Voice for Stage
Prerequisites: for Acting A.A. degree majors only or permission of Chairperson.
Description: Practice in the development of voice for the stage; concentrated practice in developing more effective voice and diction habits for the individual actor. (3 hours)
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall
Credit Hours: 1
Department: Theatre & Dance

THR 201 - Introduction to Theatre History II
Prerequisites: Satisfactory completion of remedial reading.
Description: A continuation of THR 101 surveying the developments of theatre from the Renaissance through the present. Emphasis on major movements in theatre and drama through representative dramatists, and an outline of contemporary and European theatre practice. Attendance at theatrical productions required. (See THR 101)
SUNY GEN ED-GHUM, GART; NCC GEN ED-FAPA, HUM, WESH
Offered: Spring
Credit Hours: 3
Department: Theatre & Dance

THR 202 - Lighting Design
Prerequisites: Minimum Grade of C in THR 108.
Description: A program of instruction in the principles of theatrical lighting design, consisting of lab sessions, and lectures on equipment, color, optics, and lighting techniques. Students are to make light plots
for analysis in class and advanced design problems are discussed.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall
Credit Hours: 3
Department: Theatre & Dance
THR 203 - Scene Design
Prerequisites: Minimum Grade of C in THR 202.
Description: A program of instruction in the theory and practice of scene design, consisting of demonstrations, lectures, and critiques of student work. Students are to make scene sketches, models, and working drawings for assigned projects, and move on to more advanced design problems.
SUNY GEN ED-GART; NCC GEN ED-HUM
Offered: Fall
Credit Hours: 3
Department: Theatre & Dance
THR 207 - Acting III
Prerequisites: Minimum Grade of C in THR 104.
Description: This is the first course in the THR 207-THR 208 sequence. Designed especially for the third semester student in acting. Classroom study and coaching with emphasis on advanced monologues and scene study.
SUNY GEN ED-GART; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Theatre & Dance
THR 208 - Acting IV
Prerequisites: Minimum Grade of C in THR 207.
Description: This is the second course in the THR 207-THR 208 sequence. Designed especially for the fourth semester student in acting. Classroom study and coaching with emphasis on advanced monologues and scene study.
SUNY GEN ED-GART; NCC GEN ED-HUM
Offered: Fall, Spring
Credit Hours: 3
Department: Theatre & Dance
THR 215 - Production and Performance
Prerequisites: for Acting A.A. and Technical Theatre A.A. degree students or permission of the Department.
Description: This is the first course in the THR 215-THR 216 sequence. Participation in the production, rehearsal and performance of major college theatre productions. Assignments include construction and painting scenery, hanging lighting instruments, stage management, running crew, etc. Students who are cast in productions (by audition only) are also required to participate in technical production tasks.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall
Credit Hours: 3
Department: Theatre & Dance
THR 216 - Production and Performance
Prerequisites: for Acting A.A. and Technical Theatre A.A. degree students or permission of the Department.
Description: This is the second course in the THR 215-THR 216 sequence. Participation in the production, rehearsal and performance of major college theatre productions. Assignments include construction and painting scenery, hanging lighting instruments, stage management, running crew, etc. Students who are cast in productions (by audition only) are also required to participate in technical production tasks.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Spring
Credit Hours: 3
Department: Theatre & Dance
THR 217 - African American Theatre Ensemble, Rehearsal and Performance
Description: (Dual listed with AFR 193). This is the first course in the THR 217 - THR 218 sequence. Participation in the production, rehearsal and performance of the African-American Theatre Ensemble productions.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Fall
Credit Hours: 1
Department: Theatre & Dance
THR 218 - African American Theatre Ensemble, Rehearsal and Performance
Description: (Dual listed with AFR 194). This is the second course in the THR 217 - THR 218 sequence. Participation in the production, rehearsal and performance of the African-American Theatre Ensemble productions.
SUNY GEN ED-n/a; NCC GEN ED-HUM
Offered: Spring
Credit Hours: 1
Department: Theatre & Dance
THR 300 - Shakespeare on Stage and Page
Prerequisites: ENG 102 or ENG 109.
Description: (Dual listed with ENG 300) This interdisciplinary course, team-taught by members of the English and Theatre Departments, offers a performance-oriented view of Shakespeare's plays. Students see films and videotapes as well as perform segments of the plays in class. Writing is an integral component of the course.
SUNY GEN ED-GHUM; NCC GEN ED-HUM, LIT
Offered: Spring
Credit Hours: 4
Department: Theatre & Dance
Telecommunications Technology, Verizon Option
TNY
TNY 171 - Telecommunications Circuits
Prerequisites: CMP 101, MAT 117.
Description: This course will train students in the application of Ohm's Law, Kirchhoff's laws, Thevenin's and Norton's theorem, and superposition to the analysis of DC and AC passive circuits, including R-L-C circuits, impedances, phase angles, resonance, and transformers. This course makes extensive use of computer simulations and communications both in and out of the classroom; use of a laptop computer is required. Laboratory fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 4
Department: Engineering/Physics/Tech
TNY 173 - Telecommunications Electronics I
Prerequisites: PHY 110, TNY 171.
Corequisites: TNY 181.
Description: This course will train students in the physical principles underlying the analysis and application of electronic circuits as applied to the telecommunications industry. Topics include concepts of amplification; frequency response of one and two stage amplifiers; op-amps; filters; troubleshooting; and analysis by computer simulation. This course makes extensive use of computer simulations and communications both in and out of the classroom; use of a laptop computer is required. Lab fee applies.
SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 4
Department: Engineering/Physics/Tech
TNY 174 - Telecommunications Digital Electronics I
Description: This course will prepare students in digital electronics with topics related to number systems and codes, logic functions,
and Boolean algebra. IC building blocks are used in applications ranging from logic gates to flip-flops, counters, registers, and arithmetic circuits. Algebraic reduction and mapping are used to minimize Boolean expressions and combinational logic circuits. Computer simulation of digital circuits will be used to verify actual hardware setups. Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 4
Department: Engineering/Physics/Tech

TNY 181 - Telecommunications I - Voice
Prerequisites: TNY 171
Corequisites: TNY 173
Description: An introduction to the techniques, principles, and terminology of Voice telecommunications will be presented. Public and private telecommunication networks will be examined. Telecommunication equipment, switching and transmission technology will be demonstrated. The frequency spectrum, modulation schemes and multiplexing techniques will be explored. Lectures, interactive learning and demonstrations will be employed. Laboratory exercises will be required. This course makes extensive use of computer simulations and communications both in and out of the classroom; use of a laptop computer is required. Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 4
Department: Engineering/Physics/Tech

TNY 273 - Telecommunications II
Prerequisites: TNY 282.
Corequisites: TNY 273.
Description: This course is designed to train students in the analysis and application of advanced electronic circuits as applied to the Telecommunications Industry. Topics include gain in decibels, Bode plots, filters, frequency modulation, transmission lines, fiber optics and analysis by computer simulation. This course provides extensive use of computer simulations and communications both in and out of the classroom; use of a laptop computer is required. Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 4
Department: Engineering/Physics/Tech

TNY 173 - Telecommunications Electronics I
Prerequisites: TNY 171.
Corequisites: TNY 173.
Description: This introduction to the techniques, principles, and terminology of Voice telecommunications will be presented. Public and private telecommunication networks will be examined. Telecommunication equipment, switching and transmission technology will be demonstrated. The frequency spectrum, modulation schemes and multiplexing techniques will be explored. Lectures, interactive learning and demonstrations will be employed. Laboratory exercises will be required. This course makes extensive use of computer simulations and communications both in and out of the classroom; use of a laptop computer is required. Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 4
Department: Engineering/Physics/Tech

TNY 282 - Telecommunications II
Prerequisites: TNY 181 and CRT 202.
Corequisites: TNY 273.
Description: An introduction to the techniques, principles, and terminology of Data Communications will be presented, stressing the basics of Voice over Internet Protocol (VoIP) systems, interactive learning, and demonstrations will be employed. Laboratory exercises will be required. This course makes extensive use of computer simulations and communications both in and out of the classroom; use of a laptop computer is required. Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 4
Department: Engineering/Physics/Tech

TNY 283 - Telecommunications III
Prerequisites: TNY 282.
Description: An introduction to the technology and terminology of Networks will be presented, including the organization, architecture, setup, hardware and software aspects of networked video delivery systems. Lectures, interactive learning, and demonstrations will be employed. This course makes extensive use of computer simulations and communications both in and out of the classroom; use of a laptop computer is required. Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 4
Department: Engineering/Physics/Tech

TNY 284 - Telecommunications IV
Prerequisites: TNY 283.
Description: A survey of current and emerging technologies in telecommunications will be presented. Lectures, interactive learning, demonstrations, and site visits will be employed. Laboratory exercises will be required. This course makes extensive use of computer simulations and communications both in and out of the classroom; use of a laptop computer is required. Laboratory fee applies.

SUNY GEN ED-n/a; NCC GEN ED-n/a
Credit Hours: 3
Department: Multidisciplinary Studies

WST 101 - Introduction to Women's Studies
Description: Focusing on the roles of women in a cross-cultural context, this course introduces the student to the discipline of Women's Studies and serves as a basis for more specialized courses. It treats such issues as women in the family, workplace, and community; images of women in the arts, professions and popular culture; and women's contributions in a variety of fields.

SUNY GEN ED-n/a; NCC GEN ED-PLDI, WESH
Offered: Fall, Spring, Summer
Credit Hours: 4
Department: Multidisciplinary Studies

WST 105 - Gender in Popular Culture
Description: Popular culture portrays a range of femininities and masculinities which influence our sense of who we are as men and women. In this course we will look at material from a wide range of gender constructions-in-texts; in Hollywood, independent, and foreign films; in television shows and commercials; in cartoons, graphic art and video games; in music videos; and/or on the Internet in social networking sites like Facebook and Twitter. Using a variety of critical and theoretical approaches, we will examine how pop culture representations of gender reflect social conditions, how they construct social possibilities, and how they change over time.

SUNY GEN ED-n/a; NCC GEN ED-PLDI
Offered: Fall, Spring
Credit Hours: 3
Department: Multidisciplinary Studies

WST 110 - The Goddess in World Religions
Description: This course will explore the images of the Goddess in world religions such as Judaism, Christianity, Islam, Hinduism, Buddhism, Taoism, traditional African religions, and Native American traditions. It will look at both iconography and literary texts to examine how the Goddess as a representation of the Divine affects women's spirituality and the larger culture.

SUNY GEN ED-n/a; NCC GEN ED-GLNW, PLDI
Offered: Fall, Spring
Credit Hours: 3
Department: Multidisciplinary Studies
WST 201 - Women's Issues in Global Context

Prerequisites: WST 101.

Description: This course explores some of the major issues that affect women around the world. It focuses on the global labor force, reproductive rights, gay and lesbian politics, sexual identity, and education in Asia, Africa, Latin America, Europe, and the United States. Students will learn how women's experiences affect law and politics and how local conditions (here and elsewhere) intersect with global concerns and movements. Particular emphasis will be placed on goals and accomplishments of women's grassroots activism in many cultures.

SUNY GEN ED-GOWC; NCC GEN ED-GLNW, PLDI

Offered: Fall, Spring

Credit Hours: 3

Department: Multidisciplinary Studies