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Transfer and Articulation Policies

CUNY TRANSFER POLICIES

All LaGuardia students who earn an Associate in Arts Degree (AA), an Associate in Science Degree (AS), or an Associate in Applied Science Degree (AAS) have:

- ▶ Priority for transfer over non-University students seeking transfer, and
- ▶ Priority as matriculated students at a senior CUNY college.

The following policies *only* apply to students who graduate from LaGuardia with either an AA or AS:

1. LaGuardia AA and AS graduates who transfer within CUNY will be granted a minimum of 60 credits toward a baccalaureate degree and will be deemed to have automatically fulfilled the lower-division liberal arts and science distribution requirements for a baccalaureate degree. However, students may be asked to complete a course in a discipline required by a senior college's baccalaureate distribution requirements that was not part of the student's associate degree program and may need to fulfill a foreign language requirement.
2. Students who *change their major* after they are enrolled in a senior college should expect that completion of their bachelor's degree may require more than 120 credits.

The following policies *only* apply to students who graduate from LaGuardia with an AAS degree:

1. Upon transfer to a *parallel* professional program within CUNY, LaGuardia AAS graduates will be granted a minimum of 60 credits toward a baccalaureate degree and be required to complete only the difference between the 60 credits granted and the total credits normally required for the degree.
2. When transferring to a *liberal arts curriculum or related professional program* in the same field as the AAS degree program, LaGuardia AAS graduates will be granted a minimum of 60 credits toward a baccalaureate degree and will be able to complete their baccalaureate degree within 60 to 72 credits.
3. Students *who change their major* after they are enrolled in a senior college should expect that completion of their bachelor's degree may require more than an additional 72 credits.

It is important to understand that, when transferring *without completing a degree*, each department at the transfer school will decide how credits are evaluated. Often, courses *only* transfer as general electives—*not* as courses fulfilling distribution or major requirements. There are three main ways for students to guard against losing credits in this manner. First, complete your degree. Credits transfer more readily when they are part of a degree. Second, consult early with the Office of Transfer Services. For example, they can advise each student whether there is an articulation agreement between LaGuardia and another college that helps students preserve their credits during transfer. Third, consult TIPPS—the Transfer Information & Program Planning System. Through this online resource, students can quickly check how each LaGuardia course transfers to other colleges within CUNY.

SUNY TRANSFER POLICIES

The State University of New York pledges that “a New York State resident who wishes to transfer from a State University of New York two-year college, including all community colleges throughout the state, and who possesses or will have an Associate in Arts or Associate in Science degree at the time of transfer is guaranteed an opportunity to continue on a full-time basis at a senior campus of the University.” Students with an Associate in Applied Science degree or those who do not graduate are not guaranteed admission. Students are advised to contact LaGuardia's Office for Transfer Services, C-261, or the Admissions Office of the College they wish to attend for specific requirements.

ARTICULATION AGREEMENTS

LaGuardia has articulation agreements with over 30 public and private four-year colleges and universities. The Office for Academic Affairs has developed specific agreements that guarantee acceptance of LaGuardia credits when students transfer to these colleges after earning an Associate's degree. At time of printing, the following institutions have joined LaGuardia in articulation partnerships: Adelphi University, LaGuardia/Adelphi University Connection Programs, Antioch College, City College, Clarkson University, Cornell University, Gallaudet University, Hunter College, Hunter-Bellevue Nursing Program, John Jay College of Criminal Justice, Laboratory Institute of Merchandising, LaGuardia/C.W. Post, L.I.U. Transfer Programs, Manhattanville College, Marymount College, New York City College of Technology, New York University, Pratt Institute, Queens College, Shaw University, Springfield College School of Human Services, St. John's University, St. Joseph's College, School of Visual Arts, SUNY College of Technology, SUNY Downstate Medical Center, SUNY Institute of Technology, Utica/Rome, SUNY, Oswego, University of Turabo (Puerto Rico), Vassar College and York College.

TRANSFER TO NON-CUNY OR SUNY COLLEGES

Students who wish to continue their studies after graduating from LaGuardia by transferring to a private institution should select their courses in consultation with a counselor and/or faculty advisor. Students should contact LaGuardia's Office for Transfer Services, C-261, and the Admissions Office of the College of their choice for specific requirements and deadlines since the criteria vary from college to college.

Course Descriptions and Academic Department Information

Accounting and Managerial Studies Department

In 2008, the Accounting and Managerial Studies Department was reorganized and renamed the Business and Technology Department (see below). Course prefixes that were AM_ are now BT_.

Business and Technology Department

Room B327 (718) 482-5600 **Department Faculty**

Michael Napolitano, Chairperson; Avis Anderson, John Appiah, Rosalia Barnett, Rajendra Bhika, David Blumberg, Steven Cosares, Mario Fernandez, Eve Fischthal, Kathleen Forestieri, Andrea Francis, James Giordano, Edward Goodman, Marie Hanlon, Deborah Harrell, Milton Hollar-Gregory, Linda Iannuzzo, Janice Karlen, Elaine K. Leff, Magalie Lopez, Namy Lytle, Paula Murphy, Stacy Perry, Michael Philogene, Yves Richards, Deborah Robinson, Susan Sanchirico, Fernando Santamaria, David A. Schoenberg, Barry L. Silverman, Santo Trapani, Angela Wu

Accounting

BTA109 Principles of Accounting I, Part 1

2 credits; 4 hours

This course introduces students to the entire accounting cycle. The course explores the fundamental concepts and techniques of recording transactions in journals, summarizing the transactions, using adjusting and closing procedures, and preparing financial statements and reports. This course will provide basic skills instruction in mathematics and apply those skills to accounting theory and practice.

Pre- or Corequisite: CSE095; Corequisite: MAT095

BTA110 Principles of Accounting I, Part 2

2 credits; 4 hours

This course is a continuation of BTA110. It reviews the essentials of accrual accounting and introduces the student to valuation methods relating to inventory and fixed assets, internal control concepts with an emphasis on cash controls, procedures for accounting for notes payable and receivable and payroll accounting.

Prerequisite: BTA109

BTA111/BTB111 Principles of Accounting I

4 credits; 6 hours

This course introduces students to the accounting cycle. The course reviews the fundamental concepts and techniques of recording transactions in journals, summarizing the transactions, using adjusting and closing procedures and preparing financial statements and reports. It also introduces the student to valuation accounting relating to inventory and fixed assets, internal control concepts with an emphasis on cash control, procedures for notes payable and receivable and payroll accounting.

Pre- or Corequisite: CSE095, MAT095

BTA112 Principles of Accounting II

4 credits; 4 hours

This course introduces the student to the partnership and corporate forms of business organization with topics relating to their formation, operation, and dissolution. In the area of corporation accounting, further topics explored are stock transactions, long-term liabilities, and retained earnings. Cash flows and financial statement analyses are also covered as are an introduction to manufacturing concern accounting, related statements and cost revenue relationships.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, BTA110 or BTA111

BTA130 Accounting Applications for the Microcomputer*3 credits; 3 hours*

This course emphasizes management information systems by giving students “hands-on” microcomputer experience in the processing of accounting data. In an instructor-supervised laboratory environment, students will explore both spreadsheets and dedicated accounting software. Lectures on the design of accounting systems, computer-related management decisions, and strategic controls considerations will be integrated with applications.

Prerequisite: BTA109 or BTA111, BTC100 or BTC101 or MAC101

BTA150 Individual Income Tax Procedures*3 credits; 3 hours*

This course introduces the fundamental concepts of individual income taxation and the mechanics of Federal and New York State and City individual income tax return preparation. Some of the special topics are includable and excludable income, allowable deductions, personal exemptions and dependents, filing status, computation of tax and credits against tax. Students will complete a Federal income tax return practice set.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095

BTA201 Intermediate Accounting I*3 credits; 4 hours*

This course is designed to give an overview of the foundations of accounting theory, the problems of current practice, and its relationship to accounting theory as expressed in the Accounting Principles Board’s Opinions and the Financial Accounting Standards Board’s Statements. The course includes a review of the accounting cycle and a detailed exploration of the reporting process, namely, the Statement of Financial Position, the Statement of Income, the Statement of Retained Earnings and the Statement of Cash Flow.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT096, BTA112

BTA202 Intermediate Accounting II*3 credits; 4 hours*

This course is a continuation of Intermediate Accounting I. It explores the problems of current practice and its relationships to Financial Accounting Theory as expressed in AICPA Opinions and FASB Statements. Topics examined include Inventories, Long-Term Investments in Stocks, Tangible and Intangible Fixed Assets, Liabilities and Income Taxes, Leases and Income Tax Allocation. Present Value Concepts and their applications are also covered.

Prerequisite: BTA201

BTA210 Cost Accounting I*3 credits; 4 hours*

Cost accounting methods and procedures are studied, including job-order costing, process costing, payroll accounting and budgeting. Emphasis is placed on the importance of cost accounting to management in controlling and analyzing cost data and in the areas of decision-making and planning future operations.

Prerequisite: MAT096, BTA112

BTA211 Cost Accounting II*3 credits; 4 hours*

This course continues the study of cost determination and analysis as taught in AMA210. Cost-volume relationships, systems designs, flexible budgets, standard costs, cost allocation and applications of the contribution margin approach to decision-making are included. A continued emphasis is placed on the importance of cost data to management in the areas of decision-making and planning.

Prerequisite: BTA210

Administrative Assistant**BTO116 Essential Computer Skills***2 credits; 3 hours (2 lecture, 1 lab)*

This course will introduce basic computer skills and keyboarding on a computer. Emphasis in the course will be on the touch-typing concept of keyboarding and increasing speed and accuracy. The goal of this course will be to provide the opportunity for students to use the computer effectively to process information. This course will also explore the expanding role of computers in the contemporary business environment.

Pre- or Corequisite: ESL/R098

BTO125 Terminology for Medical Office Support Personnel*3 credits; 4 hours (3 lecture, 1 lab)*

This course is designed to develop the student’s ability to interpret, spell and pronounce medical terms through the use of a phonetic pronunciation system, audiotapes, flashcards and computer assisted instruction. This course is organized by body systems with combining forms of prefixes and suffixes, diagnostic procedures, pathology, treatment and surgical procedures related to each system. This course is intended to train medical office support personnel in the use of medical terminology as it applies to the office setting.

Pre- or Corequisite: CSE099, ENA/ENG/ESAG099/ENC101 or ESL/R098

BTO132 Keyboarding II Production Formatting*2 credits; 4 hours*

This course is designed to increase the skills of students who have successfully completed Keyboarding I or its equivalent. Emphasis will be placed on intensive speed building and accuracy drills. Formatting for business correspondence, tabulations and manuscripts will be covered. The final speed goal is 40-45 gross words per minute for five minutes with a maximum of five errors.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, BTO116

BTO133 Keyboarding III Advanced Production Formatting*2 credits; 4 hours*

This course is designed to increase the keyboarding and production skills of students who possess a minimum speed of 40 gross

words a minute. Intensive speed, accuracy and reinforcement drills will be stressed. Complex formats for letters, manuscripts, tabulations, memos and business forms will be introduced. The final keyboarding speed goal is a rate of 50-55 gross words a minute for five minutes with a maximum of five errors.

Prerequisite: BTO132

BTO141 C-Print I

3 credits; 3 hours

This is a beginning course designed to develop skills in a form of speech-to-print computer-assisted communication used primarily by deaf or hard-of-hearing persons. Emphasis will be on the principles and usage of the C-Print abbreviation system.

Prerequisite: AMO116

Pre- or Corequisite: BTO155, SSS190

BTO142 C-Print II

3 credits; 3 hours

This course will develop C-Print captioning skills using classroom-simulated lecture materials. Students will learn condensing strategies and will develop summarizing skills. Glossary creation and management along with editing and formatting of keyed notes will be emphasized. Professional conduct and ethics of the C-Print captionist are included.

Prerequisite: BTO141

BTO155 Word Processing I

3 credits; 4 hours (3 lecture, 1 lab)

This course introduces students to word processing on the micro-computer. Through hands-on practice, students will become proficient in the basic uses of a major word processing software package. Topics covered include creating, editing, storing, page formatting, printing, basic merging and performing block functions using single files.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, BTO116

BTO156 Word Processing II

3 credits; 4 hours (3 lecture, 1 lab)

This course is a continuation of Word Processing I. Emphasis will be placed on advanced word processing applications on the micro-computer. Topics will include advanced techniques of creating and merging files, advanced editing, specialized printing and creating and using online resources such as thesaurus, math, sort and macro commands.

Prerequisite: BTO155

BTO170 Computerized Medical Information Management

3 credits; 4 hours (3 lecture; 1 lab)

This course will provide students with instruction in the preparation and maintenance of medical records, financial recordkeeping, patient and insurance billing and processing of insurance forms and claims. It will provide students with a brief history of the medical profession, acquainting students with various medical laws and codes of ethics as they relate to medical office support personnel. This course will be enhanced by the use of medical soft-

ware and a medical office simulation project.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC/ENG101, MAT095; Pre- or Corequisite: BTO116

BTO260 Business Communications

3 credits; 3 hours

This course provides students with the ability to exercise various communication tasks in business. Special consideration will be given to the mechanics of written English. Written activities will focus on memos, business letters, reports, and special communications (news releases and minutes). Oral communication will be refined and telephone skills will be emphasized.

Prerequisite: ENC/ENG101, HUC101

Pre- or Corequisite: BTO116

BTO270 Electronic Office Procedures

3 credits; 6 hours

Business skills such as word processing and machine transcription will be developed, integrated, and refined. Human relations skills, interoffice relationships, and organizational structure will be covered through job-related projects. Basic filing rules, mail procedures and telephone techniques will be discussed. Hands-on training will be conducted in payroll processing, electronic record keeping, electronic calendaring and filing.

Prerequisite: BTO116, HUC101

Pre- or Corequisite: ENC/ENG10

Aviation Management

BTV160 Introduction to Aviation Business

3 credits; 3 hours

This course provides a general survey of the field of aviation. The course includes a historical overview of the development of aviation and an analysis of aviation's impact on economic and sociological affairs, both nationally and internationally. Students survey various aspects of the aviation business community including air carriers, manufacturers, private aircraft operators, government agencies and trade associations.

Prerequisite: SSE103 or SSE104

BTV161 Introduction to Aviation Management

3 credits; 3 hours

This course provides a comprehensive analysis of the planning process and the managerial and operations functions pertaining to management of an airport. The course will cover the following topics: airports in general, airport system planning, site selection, layout and land use, airport capacity and delay, financial planning and management and airport operations. This course explores the role of the airport manager in the day-to-day and long-term management and operations of the airport.

Prerequisite: SSE103 or SSE104

BTV162 Introduction to Aviation Operations

3 credits; 3 hours

This course explores the conduct of professional flight operations,

including the flight operations of air carriers, corporate aviation departments, fixed-based operators (FBOs) and the military. Emphasis is placed on aircraft types, air routes, personnel, information systems, federal regulations and safety. Students are also introduced to methods of analyzing air carrier performance and forecasting future performance.

Prerequisite: SSE103 or SSE104

Business

BTM101/BTB101 Introduction to Business

3 credits; 3 hours

This is an introductory course designed to acquaint the student with the role of business in our economy, the forms of organization, and the various business functions such as management, personnel, marketing and finance. Career opportunities in the business world are also explored. This course should be taken prior to any other business courses.

Prerequisite for BTM101: CSE095, ENA/ENG/ESA099/ENC101

Prerequisite for BTB101: CSE095, ESL/ESR098

BTM102 Principles of Finance

3 credits; 3 hours

This course is a study of the monetary and credit systems of our economy and related policies and problems. In addition, the course addresses itself to the following: 1) commercial and noncommercial banking institutions and operations; 2) money and banking in relation to prices, economic growth, and international events.

Prerequisite: MAT095, BTM101 or BTB101

BTM103 Principles of Management

3 credits; 3 hours

This course is an analysis of the role of the manager and the functions of management in an enterprise. Consideration is given to the interlocking nature of these functions and the principles which are the basis for the practice of management. Attention is given to the impact of the external environment on the development of the managerial role and on managerial practice. This course is required for Business Administration and Management students prior to their first internship.

Prerequisite: BTM101 or BTB101

BTM104 Principles of Marketing

3 credits; 3 hours

This course explores the vital role of marketing in our economy. The factors of consumer behavior and motivation are covered to provide an understanding of market planning. The system of distribution of goods from producer to consumer is discussed by relating theory to actual case histories.

Prerequisite: BTM101 or BTB101

BTM108 Principles of Real Estate

3 credits; 3 hours

This course covers the social and economic impact of real estate,

the nature and instruments of property rights, various types and aspects of property ownership, real estate brokerage operations and discussion of urban planning needs. Successful completion of the course material is required to take the New York State licensing examination. Students must obtain broker sponsorship in order to take the New York State licensing examination for Real Estate Salesperson.

Prerequisite: Permission of the department.

BTM110 Business Law I

3 credits; 3 hours

This course begins by introducing students to some basic aspects of the American legal system, including the courts, tort law and criminal law. It proceeds to an in-depth exploration of the law of contracts from their formation to their enforceability in court. Other topics include employment law, bankruptcy law and legal problems posed by the computerization of society.

Prerequisite: CSE095, ENA/ENG/ESA099/ENC101

BTM111 Business Law II

3 credits; 3 hours

This course introduces the student to the important areas of products liability, consumer law, secured transactions, partnerships, corporations, agencies and bailments.

Prerequisite: BTM110

BTM115 Basics of Advertising

3 credits; 3 hours

This course gives a broad overview of advertising, its roles in marketing, and as a motivational force in society. The nature of media and their creative and productive functions are discussed as they are related to advertising programs.

Prerequisite: BTM101 or BTB102

BTM116 Introduction to E-Business

3 credits; 3 hours

This course will provide a basic understanding of the tools, skills, business concepts, strategic opportunities and social issues that surround the emergence of electronic commerce on the Internet. Current practices and opportunities in electronic payments, electronic retailing, electronic distribution and electronic collaboration are discussed. Some of the problems surrounding electronic commerce such as security, intellectual property rights, acceptable use policies and legal liabilities are included.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

BTM120 Office and Personnel Management

3 credits; 3 hours

This course, designed for Administrative Assistant majors, is an introduction to the principles and practices of office management and administration. It will include such topics as the office environment, employee/employer relations, job analysis, and evaluation, fundamentals of motivation, the function of procedures and labor relations and grievances.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

BTM140 Introduction to Credit Management*3 credits; 3 hours*

This course is designed to introduce the student to the role of commercial credit and collection in today's business world. It will examine the role of the credit department within a company, the positions with the department and career possibilities. In addition, it will prepare the student to work as a collector in a credit department by explaining specialized terminology, collection policy, principles and procedures and necessary legal concepts.

Prerequisite: MAT095, BTA109 or BTA111, BTB101 or BTM101

This course is open to any student as an unrestricted elective but is primarily intended for students interested in the commercial credit and collection industry.

This course is offered in an Online format only.

BTM141 Financial Statement Analysis*3 credits; 3 hours*

This course will provide students with skills required to analyze financial statements for credit decisions. Students will examine income statements, statements of retained earnings, balance sheets, statements of cash flow, and review trial balance information, schedules and notes supporting the financial statements. Students will also learn to make evaluations based on general economic conditions and economic conditions relating to a specific industry. A minimum of 6 hours of computer lab work is required.

Prerequisite: BTA112

This course is offered in an Online format only.

BTM142 Accounts Receivable Financing*3 credits; 3 hours*

This course explores concepts in economics, auditing, accounting, finance, and commercial law relevant to accounts receivable financing decisions. It analyzes effects of economic factors on these decisions. Students will use auditing and accounting principles to verify the values of collaterals. Students will learn to apply basic finance mathematics and learn the legal principles of sales contracts, negotiable instruments, and secured transactions. A minimum of 6 hours of computer lab work is required.

Prerequisite: BTM140, BTM141

This course is offered in an Online format only.

BTM150 Organizing and Operating a Small Business*3 credits; 3 hours*

This course is a basic study of the importance of small business, its status, problems, and requirements for success. The course covers, among other things, the decision to go into business for oneself, the preparation needed, the methods of launching the business, and management functions involved in operating the business.

Prerequisite: MAT095, BTM101 or BTB101

Prerequisite for Music Recording Technology majors: CSE099, ENA/ENG/ESA099/ENC101

BTM155 Principles of Personal Selling*3 credits; 3 hours*

This course is an introduction to the principles and practices of selling as a profession including such topics as the sales job, the

sales environment, the sales process and sales training. The dominant theme is professionalism in contemporary selling.

Prerequisite: MAT095, BTM101 or BTB101

BTM251 Launching New Business Ventures*3 credits; 3 hours*

This course explores the process of creating a new business venture from recognition of an opportunity to the launch of the business. It focuses on the pre-startup phase of venture creation. It explores pre-launch activities, diversity of entrepreneurs and the various activities that entrepreneurs typically undertake.

Prerequisite: BTA111, BTM101

BTM252 Entrepreneurial Finance*3 credits; 3 hours*

This course focuses on financial aspects of new businesses and the financing of their continuing growth. Debt and equity financing, analysis of financial statements, management of cash flows and valuation are discussed as they relate to the new business venture.

Prerequisite: BTM251

BTM253 Entrepreneurial Strategy*3 credits; 3 hours*

This course presents issues of strategic thinking and management within the entrepreneurial enterprise. Strategies for the emerging venture, the growing venture and for sustaining growth will be examined.

Prerequisite: BTM251

BTM260 Principles of International Business*3 credits; 3 hours*

This is an introductory course designed to acquaint students with the policies, techniques, and institutions that affect businesses operating in an international environment. Consideration will be given to the performance of business functions in an international context and basic terminology of international business.

Prerequisite: BTM101 or BTB101

BTM261 Export/Import Procedure and Documentation*3 credits; 3 hours*

This course examines the policies, procedures, and documentation required for importing to and exporting from the United States. The legal foundation for regulation of international trade will be discussed. Students will learn how tariffs and other regulations apply to preparing transportation and international trade documents such as bills of lading, invoices and certificates of origin. The importance of trade agreements for documentation will be examined.

Prerequisite: CSE099, BTM260

BTM262 Global Marketing*3 credits; 3 hours*

This course explores global marketing opportunities and how marketing principles and procedures apply to international business. Issues of global competition, communication and promotional effort are discussed in light of the environmental

considerations that affect marketing strategy.

Prerequisite: BTM260

BTM263 International Finance

3 credits; 3 hours

This course will focus on principles and practices of financial activities within international markets. A discussion of letters of credit, drafts and other banking documents used in foreign commerce will be included. Foreign exchange rates, financing of international trade, methods of reducing financial risk and services provided by an international banker will also be examined.

Prerequisite: BTM260

BTM264 Marketing on the Internet

3 credits; 3 hours

This course will introduce students to the marketing applications of developing information and communication technologies, especially the Internet. It will also examine how advanced technologies affect marketing functions. Consideration will be given to the development of an organization's marketing strategies in this dynamic environment.

Prerequisite: BTM101 or BTM116

BTM265 Consumer Finance

3 credits; 3 hours

This course examines concepts and methods of financial planning as applied to individuals and households, with attention to organizing and analyzing financial information, budgeting, acquiring financial assets, managing credit, planning for taxes, investments, risk management, retirement and estate planning. Techniques and tools for identifying and maintaining information needed for personal financial decision making will be utilized.

Prerequisite: ENC/ENG101, SSE103, SSE104

BTN195 Profile and Prospects of Business in New York City

3 credits; 3 hours

This is an urban study course which examines the status of business in New York City using various sources of data and field assignments such as visitations to the New York Stock Exchange, major business corporations, and various government agencies. Students will learn how to develop a profile of business in New York City in terms of employee, type of industry and form of ownership. Students will also learn about various social responsibility programs being offered by the business community, and will examine the many different career opportunities available in the NYC area.

Prerequisite: MAT095, BTM101 or BTB101

This is a Writing Intensive course.

Paralegal Studies

BTP101 Introduction to Paralegal Studies

3 credits; 3 hours

This course introduces the student to the legal system of the United States and to the role of the paralegal in it. Topics include the classifications and sources of law, the court system, the activities of the paralegal and the legal and ethical restrictions on the paralegal's work. The ways in which computers have transformed legal practice are explored throughout.

Prerequisite: CSE099; Pre- or Corequisite: ENC/ENG101

BTP201 Administrative Law

3 credits; 3 hours

This course concerns the paralegal's work with government agencies. It is especially concerned with those agencies, like U.S. Citizenship and Immigration Services, which have a direct effect on the lives of many individuals. Topics include the function and status of agencies in contemporary American society, the sorts of benefits to which various groups are entitled and procedures for obtaining these benefits and challenging their denial or termination. Students learn how to prepare relevant documents. Instruction in the related uses of computers is an integral part of this course.

Prerequisite: BTP101; Pre- or Corequisite: One of the following courses: HUC101 or HUC104 or HUC108

BTP202 Wills, Trusts and Estates

3 credits; 3 hours

This course deals mainly with the transfer of property after death and with the role and procedures of the Surrogate's Court. Students learn about the legal implications of dying with and without a will and the functions of trusts. They also learn how to assist in the preparation of the relevant legal documents, such as wills, trust instruments and estate tax returns. Instruction in the related uses of computers is an integral part of this course.

Prerequisite: MAT095, BTP101

BTP203 Family Law

3 credits; 3 hours

The central concern of this course is the law governing marriage and its termination. Topics include creation of a valid marriage, prenuptial agreements, divorce, custody of children and adoption, among others. The role of the Family Court and its procedures are discussed, and students learn how to prepare relevant legal documents. Special problems posed by family-type arrangements outside marriage are also addressed. Instruction in the related uses of computers is an integral part of this course.

Prerequisite: BTP101

BTP204 Legal Research and Writing

3 credits; 3 hours

In this course, students learn how to find the answers to a broad range of law-related questions. They develop skills using both the resources of the law library and computerized research tools such as Lexis/Nexis. Much attention is also given to essential writing

skills and the preparation of legal memoranda and documents.

Prerequisite: BTP101

BTP205 Civil Litigation

3 credits; 3 hours

This course is an intensive and thorough analysis of what happens in a civil lawsuit, from the decision to sue to the appeal and enforcement of judgment. Students learn how to prepare relevant legal documents and to assist attorneys in a variety of tasks at each stage of the proceedings. Instruction in the related uses of computers is an integral part of this course.

Prerequisite: BTP101

BTP207 Real Estate Law for Paralegals

3 credits; 3 hours

This course is concerned with real estate sales, leases and mortgages. By acquiring an essential knowledge of real estate law and practical skills such as document preparation, students learn how to participate reliably in a variety of real estate transactions. Instruction in the related uses of computers is an integral part of this course.

Prerequisite: MAT095, BTP101

BTP208 The Law of Business Enterprises for Paralegals

3 credits; 3 hours

This course examines the different types of business entities from a legal perspective. Topics include sole proprietorships, corporations, partnerships and newer types of business entities such as limited liability companies. The advantages and disadvantages of each entity type are discussed. Students learn how to prepare relevant legal documents and to make appropriate use of computers in this area of the law.

Prerequisite: BTP101

BTP209 Criminal Law and Procedure

3 credits; 3 hours

This course is concerned with the practical aspects of criminal law and procedure as they pertain to the work of the paralegal. The first part of the course covers the nature of criminal liability, the elements of various crimes and defenses to criminal accusations. The second part covers criminal procedure, from search and seizure through trial, sentencing and appeal. Constitutional issues relating to search and seizure, self-incrimination, and other matters are explored in depth. Students learn how to prepare relevant documents and make appropriate use of computers in this area of the law.

Prerequisite: BTP101

BTP211 Computer Applications for Paralegals

3 credits; 4 hours (3 lecture, 1 lab)

This course focuses on those computer applications which are of central importance for paralegals. Students receive hands-on training using word-processing, spreadsheet, database, presentation and legal-specific software. Students also learn how to conduct computer-assisted legal research.

Prerequisite: MAT095, BTP101

BTP212 Immigration Law

3 credits; 3 hours

This course concerns the laws and procedures pertaining to immigration, naturalization and related matters. Topics include legal entry into and residence in the United States, qualifying for citizenship and deportation. Students learn how to obtain relevant information and complete forms using both the resources of the law library and the Internet.

Prerequisite: BTP101

BTP213 Bankruptcy Law

3 credits; 3 hours

This course covers the substantive and procedural aspects of bankruptcy law as set forth by the federal Bankruptcy Code. Topics include the main types of bankruptcy proceedings, eligibility for each type and the consequences of filing for bankruptcy. Students learn how to prepare relevant legal documents and to make appropriate use of computers in this area of the law.

Prerequisite: BTP101

Travel, Tourism and Hospitality Management

BTT101 Introduction to Travel, Tourism and Hospitality

3 credits; 3 hours

This course is an overview of the travel, tourism and hospitality industry. It explores the structures, products and services of industry suppliers, such as transportation companies, attractions, hotels and other lodging providers, and of marketing organizations, such as travel agencies, tour packagers and destination-promotion organizations. The course also traces the evolution of the industry and explores its role in contemporary life.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095

BTT110 Airline Reservations and Ticketing

3 credits; 3 hours

This course introduces students to airline reservations and ticketing terminology, regulations and procedures. Students learn how to plan air itineraries using printed reference materials, to reserve seats, to calculate fares and to issue tickets and other airline forms. Emphasis is placed on the appropriate interpretation of routing and fare rules.

Prerequisite: BTT101

BTT111 Airline Reservations Computer Systems

3 credits; 3 hours

This course is designed to introduce students to the operation of airline reservation computer systems. Students will learn formats to access information stored in the computer and to enter new data. Students will use these formats to make airline, rental car and hotel reservations, create passenger records, quote airline fares and issue airline tickets.

Prerequisite: BTT110

BTT120 Basic Tour Planning

3 credits; 3 hours

This course is an introduction to research techniques used in tour planning by travel professionals. Students learn how to use information sources such as industry reference guides, travel guidebooks and brochures to select travel products suited to client needs. Students also learn the terminology and reservations procedures used by hotels, railroads, car rental companies, cruise lines and tour packagers. The major attractions of destinations in North America and the Caribbean are discussed.

Prerequisite: BTT101

BTT121 Advanced Tour Planning

3 credits; 3 hours

This course continues the study of tour planning, with emphasis on the principles of tour design and management. Topics include selecting escorted tours, planning customized independent tours, developing and administering group tour programs, and applying basic sales, marketing and finance principles to the retail travel environment. Discussions will include the major attractions of destinations in South America, Europe, Africa, Asia and the Pacific.

Prerequisite: MAT096, BTT120, ENC/ENG101, SSE125

BTT202 World Travel and Tourism Destinations

3 credits; 3 hours

This course is designed to provide students with knowledge of the world's most visited destinations while offering them a comprehensive introduction to the countries of the world. Students will learn to use electronic and print tourism destination research sources. Emphasis is placed on both cultural and natural tourist attractions.

Prerequisite: BTT101

BTT203 Travel, Tourism and Hospitality Technology Systems

3 credits; 3 hours

This course is designed to introduce students to various hospitality information systems. Students will gain basic foundation skills of an airline reservation computer system, a hotel front office system and a restaurant point of sale system. Students will also use web-based and Internet technology to understand the current role of technology in the hospitality industry.

Prerequisite: BTT101

BTT205 Travel, Tourism and Hospitality Law

3 credits; 3 hours

This course examines business law concepts and principles as they pertain to the travel, tourism and hospitality industry. General topics include the nature of American law and the legal system, negligence law and contract law. Industry-specific topics include the rights and responsibilities of airlines and other transportation providers, lodging facilities, restaurants, patrons and travel agents. Employment law and government regulation of the industry are also discussed.

Prerequisite: BTT101

BTT212 Customer Service and Sales

3 credits; 3 hours

This course will provide students with the fundamental concepts of hospitality customer service and sales. Emphasis is placed on selling skills and customer service techniques that enhance sales and help to create a loyal customer following. Students will focus on how to manage a hospitality organization in such a way that the guest's expectations of quality and value are met and exceeded.

Prerequisite: BTM101, BTT101

BTT221 Travel Agency Operations and Management

3 credits; 3 hours

This course examines the roles of travel consultants and managers in the retail travel environment. Travel services, such as air and land transportation, cruises, accommodations and tours are described, as well as policies and procedures associated with their sale. Managerial functions, such as marketing, organizational design, human resources, accounting and finance, legal and regulatory compliance and risk management of planned and existing agencies are discussed.

Prerequisite: BTM101, BTT102

BTT222 Special Interest Tourism

3 credits; 3 hours

This course will focus on the development of themed travel and tourism programs appealing to those with special interests. Types of specialty travel to be discussed include small-ship cruise travel, as well as adventure, space, gastronomic, sport and volunteer tourism. Environmental sustainability in tourism development will constitute an underlying theme throughout the course. Students will be required to design a special interest tour and create promotional materials for it.

Prerequisite: BTT202

BTT223 Meeting and Event Planning

3 credits; 3 hours

This course will introduce students to the basic elements of meeting, convention and event planning. Students will learn how to generate business through sales and providing service to the group and convention industry. Students will focus on the overall management of events.

Prerequisite: BTT101

BTT224 Destination Tourism Management

3 credits; 3 hours

This course is designed to explore the role of destination management organizations (DMOs) and how they can function effectively. Emphasis is placed on stimulating economic development in cities, states and nations. Students are introduced to the elements that create a positive image for a tourism destination.

Prerequisite: BTA111, BTM101, BTT101

BTT231 Hotel and Lodging Operations and Management

3 credits; 3 hours

This course is an examination of the operations and management

of hotels and other lodging properties such as time shares and vacation resorts. The roles of departments such as the front office, housekeeping, marketing and sales, human resources, food and beverage and loss prevention and security are discussed, as well as the role of the general manager. The concepts of yield management, management contracts and franchise agreements are highlighted.

Prerequisite: BTM101, BTT101

BTT232 Front Office Management

3 credits; 3 hours

This course familiarizes students with the front office department of the hotel. Students will focus on all aspects of the hotel front office including: the guest cycle, reservations, front office accounting, front office audit, account settlement and revenue management. Students will work on a simulation of a hotel front office experience.

Prerequisite: BTA111, BTT231

BTN211 Travel, Tourism and Hospitality Marketing

3 credits; 3 hours

This course examines the principles of marketing as applied in the travel, tourism and hospitality industry. Stages in the marketing cycle, including research, strategies, planning and the components of the marketing mix will be discussed. The role of marketing functions performed by urban tourism industry organizations as well as the tourism image/experience of New York City will be explored through field trips and/or guest speakers and community-based projects.

Prerequisite: BTM101, BTT101

This is a Writing Intensive course.

Technology Courses

BTC100 Computer Applications and Technologies

3 credits; 5 hours (3 lecture, 2 lab)

This course will help students develop an understanding of computers through the exploration of software packages. The applications include word processing, spreadsheet, presentation graphics and database management. Students will learn computer terminologies and also explore developments in related technologies. Topics covered will include web design and the use of current Internet resources.

Prerequisite: ENA099

Pre- or Corequisite: CSE099, ENA/ENG/ESA099/ENC101

Corequisite: MAT096

BTC/SSD105 Computers and Society

3 credits; 4 hours (3 lecture, 1 lab)

This course examines the relationship between human values, society, and technology. It begins with an explanation of how computers work and then investigates how technology affects such issues as jobs, privacy and education. Lab work is included.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC/ENG101, MAT095

BTC107 Computer Graphics

3 credits; 4 hours (3 lecture, 1 lab)

This course is a survey of the many ways in which computers can be used to generate graphic images. The course will introduce the students to input and output devices used for graphics as well as to popular graphics programs, including paint and draw programs and desktop publishing programs. Students will learn how to create business charts and presentations, how to incorporate clip art into written documents and how to produce newsletters. Students will also work with a visual programming language.

Prerequisite: MAC101 or MAC109

BTC115 Educational Computing

3 credits; 4 hours (3 lecture, 1 lab)

This course is an introduction to the use of computer software (programs) designed for educational purposes. Students will survey and evaluate educational software written for various subjects and grades. Students will also learn about programming languages used in schools today and they will write short programs using several programming languages. The course will conclude with a look at the future of computers in schools, including the topic of hardware, as well as software. This course is designed for students in the Teacher Sabbatical Program in Computer Literacy.

Pre- or Corequisite: BTC100

BTC150 Databases from the PC to the Internet

3 credits; 4 hours (3 lecture, 1 lab)

This course will provide students with an overview of database management systems and databases. Students will learn how to design and create databases for professional and personal use. This course will also provide students with an introduction to CD-ROMs and the Internet, enabling students to conduct research, and locate educational resources. This course is designed for students in the Teacher Sabbatical Program in Computer Literacy.

Prerequisite: BTC100

BTC160 Topics in CIS (To Be Announced)

3 credits; 4 hours (3 lecture, 1 lab)

This course is designed to explore a current topic in computer information systems. The specific topic, to be announced during advanced registration, will be selected from such areas as computer programming and languages, telecommunications, computer architecture and artificial intelligence. Students will learn about the selected topic through a combination of lectures, readings, research, class discussions and laboratory projects.

Prerequisite: MAC101 or MAC109 or MAC265, MAT200 or MAT241

BTC170 Spreadsheet Applications

2 credits; 4 hours (2 lecture, 2 lab)

This course introduces spreadsheet application software. Students will learn the uses of spreadsheets through extensive hands-on experience. This course will cover using formulas, working with multiple worksheets, creating charts and maps, working with ranges and what-if analysis, using macros and working with data-

base tables. Additionally, students will become familiar with the Windows environment and recordkeeping for general business applications.

Prerequisite: BTC100

BTC171 Database Applications

3 credits; 4 hours (3 lecture, 1 lab)

This course introduces database application software. Students will learn the use of a database through extensive hands-on experience. The course will emphasize the use of alternative methods of searching the database, selective retrieval of information and report/label preparation. Students will explore the use of advanced functions in order to combine files, modify original design, update records and become familiar with command-driven and menu prompts in a Windows environment.

Prerequisite: BTC100

BTC172 Presentation Graphics

3 credits; 4 hours (3 lecture, 1 lab)

This course introduces students to presentation graphics software. Students will receive hands-on training relating to designing slides, speaker's notes and handouts to produce professionally prepared electronic slide shows. The use of background and foreground colors, graphics, whitespace, and text material will be stressed in the development of electronic slide shows. Sound (music, recorded voice, etc.), video clips and animation are also covered.

Prerequisite: BTO116, BTC100 or MAC101

BTC173 Integrated Software Systems

3 credits; 4 hours (3 lecture, 1 lab)

This course is the capstone to the Microcomputer Systems and Applications curriculum. Instruction will emphasize the systems and procedures used to process information in an integrated software environment. Students will be required to do projects utilizing advanced database and spreadsheet concepts and graphics software. Integrated software applications will be completed in a simulated office environment.

Prerequisite: ENC/ENG101, BTC170, BTC171, BTC172

BTC175 Introduction to Desktop Publishing

3 credits; 4 hours (3 lecture, 1 lab)

This course introduces students to the basics of desktop publishing—the art of producing typeset documents. Familiarization with equipment, desktop publishing software and electronic printing will be emphasized. Students will receive hands-on training relating to the art of typesetting on the microcomputer. Topics include input, composition and output in electronic publishing.

Prerequisite: BTC100 or MAC101

BTC200 Introduction to Information Systems

3 credits; 4 hours (3 lecture, 1 lab)

This course introduces students to the use of computers and other information systems and technologies to solve problems in organizations. Topics include management information systems (MIS), hardware and software concepts, the organization of information using systems analysis and design, electronic commerce and

contemporary applications of technology in organizational environments. Students will explore ethical perspectives and globalization issues and will cultivate an awareness of emerging processes.

Prerequisite: BTM101

BTC270 Data Center Operations: The Basics

3 credits; 4 hours (3 lecture, 1 lab)

This course introduces students to the field of computer operations and the duties associated with the job of computer operator. Students will be introduced to the operation and maintenance of computer hardware and peripherals on the mainframe, and to the keeping of vital logs associated with job scheduling, shift work, hardware repair and facility scheduling. Students will also gain a working knowledge of the VM/SP operating system utilizing CMS and CP commands.

Prerequisite: BTC100 or BTC101 or MAC101

Pre- or Corequisite: ENC/ENG101

BTC275 Data Center Operations: Advanced Topics

3 credits; 4 hours (3 lecture, 1 lab)

This course is a continuation of Data Center Operations: The Basics, and will emphasize advanced computer system operations including such topics as command languages, console commands, analysis of various microcomputer and mainframe operating systems and computer resource management. This course will cover such operating systems as MS-DOS, UNIX, MVS, and VM.

Prerequisite: BTC270

Communication Skills Department

Room E-115 (718) 482-5625

Department Faculty

Arthur Lau, Chairperson; Evelyn Burg, Jose Fabara, Xiwu Feng, Marcia Glick, Karen Kearns, William Kurzyna, Ernest B. Nieratka, Adhiambo Okomba, Joyce Zaritsky

CSE095 Essentials of Reading I

0 credit; 5 hours (4 lecture, 1 lab)

(Equivalent to First Year Institute USR095)

This course develops students' critical reading and studying skills. Literal and inferential levels of comprehension of college-level reading materials will be developed through the use of reading strategies, vocabulary exercises and class discussions. Students will be exposed to a wide variety of readings from the academic disciplines, thereby acquiring fundamental background knowledge needed to read proficiently at the College level. Students will read both exposition and a full-length narrative.

Admission to this course is based on placement test scores.

CSE099 Essentials of Reading II

0 credit; 5 hours (4 lecture, 1 lab)

(Equivalent to First Year Institute USR099)

This course reinforces reading and study strategies applied to advanced college-level texts. Emphasis is on exposition and argument as well as narrative. Elements of critical reading are introduced. Standardized reading test strategies are focal points in preparation for general reading proficiency exams. The process of reading is explained and experienced using student's own self-monitoring strategies. Critical reading of one or more full-length texts is required.

Admission to this course is based on placement test scores.

CSE103 Critical Reading and Academic Literacy

3 credits; 3 hours

This course is designed for students who want to develop sophisticated analytical skills for critical reading. It aims to develop proficiency in higher levels of reading and thinking—analysis, inference and evaluation. Through intensive reading and analysis from the various academic disciplines, students will be able to process and organize complex concepts. The course will have an ePortfolio component comprised of written assignments developed throughout the semester.

Prerequisite: CSE099

Pre- or Corequisite: ENA/ENG/ESA099/ENC101, MAT095

CSE105 Academic Vocabulary

3 credits; 3 hours

This course introduces students to methods of expanding their vocabulary, from contextual readings to conceptual frameworks. The development of modern English is studied to explain the state of current vocabulary. Subject area dictionaries, Greek and Latin word elements and meanings derived from context are explored. Special consideration is given to introducing the students to the vocabulary essential to their major area of study.

Pre- or Corequisite: CSE099, ENA/ENG/ESA099/ENC101

CSE110 Literacy and Propaganda

3 credits; 3 hours

This course introduces students to methods of understanding a highly developed and pervasive discourse: propaganda. Emphasis is placed on reading materials that use the persuasive and argumentative language of politics, advertising, cultural discussions and the media. Political speeches, essays, editorials, and articles are used to enlarge the student's experience with the materials and tools of propaganda. The student will acquire the intellectual framework and sophisticated level of literacy needed to recognize and respond to the aims of propaganda.

Prerequisite: CSE095, ESL/ESR099

Pre- or Corequisite: CSE099, ENA/ENG/ESA099/ENC101

CSE120 Reading the Biography

3 credits; 3 hours

This course will introduce students to the critical reading and evaluation of biographies, autobiographies, memoirs, diaries and journals. The aims of the course will be to: evaluate claims to truth and truthful recollections; examine historical claims through first person accounts; develop awareness of the methods and techniques of biographical and autobiographical writing; understand

the uses of biographical writing and its place in society; explore biographies and autobiographies as vehicles for the creation of the self. The student will become proficient and develop a deeper appreciation of biographical narratives and their uses in self-understanding. The materials to be read in class will vary by semester and the course may be thematically organized.

Pre- or Corequisite: ESL/ESR098

CSE150 The Evolution of the Reading Experience

3 credits; 3 hours

This course is designed to familiarize the student with the cultural and technological factors which have defined and influenced the activity of reading. The emphasis of the course will be on the evolution of reading and the gradual changes affecting the reading experience. Students will be expected to understand significant developments that relate to reading: the invention of writing, the creation of books, the invention of the printing press and more recent changes in print communication. This course will explore reading from the perspectives of other cultures and will trace the varieties of reading experiences that have been key features in the transformation of Western and non-Western cultures.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

CSE200 Speed Reading

2 credits; 3 hours

This course is offered for students who are interested in power reading techniques. Emphasis is placed on the development of effective reading habits and the techniques of rapid reading, identifying authors' patterns of writing, skimming, scanning and ongoing practice with mechanical aids and timed exercises.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095

Computer Information Systems Department (former)

In 2008, the programs and courses of the Computer Information Systems Department were reorganized. The following programs are now housed in the Mathematics, Engineering and Computer Science Department:

- > Computer Science
- > Computer Operations
- > Computer Operations Option
- > Computer Network Administration and Security Option
- > Computer Technology
- > Computer Technology Option
- > Telecommunications Option

- > Programming and Systems and Microcomputer Systems and Applications are now assigned to the Business and Technology Department.

- > New Media Technology is now assigned to the Humanities Department.

The following is a list of former CIS courses and their new course designations:

CIC100	BTC101	CIS196	MAC196
CIS100	BTC100	CIS230	MAC230
CIS101	MAC101	CIS231	MAC231
CIS/SSD105	BTC/SSD105	CIS232	MAC232
CIS107	BTC107	CIS233	MAC233
CIS109	MAC109	CIS241	MAC241
CIS110	MAC110	CIS242	MAC242
CIS111	HUW111	CIS245	MAC245
CIS112	HUW112	CIS246	MAC246
CIS115	BTC115	CIS250	MAC250
CIS125	MAC125	CIS252	MAC252
CIS150	BTC150	CIS253	MAC253
CIS160	MAC160	CIS260	MAC260
CIS161	HUW161	CIS261	MAC261
CIS162	HUW162	CIS262	MAC262
CIS163	HUW163	CIS263	MAC263
CIS166	HUW166	CIS265	MAC265
CIS167	HUW167	CIS270	BTC270
CIS168	HUW168	CIS275	BTC275
CIS170	BTC170	CIS286	MAC286
CIS171	BTC171	CIS289	MAC289
CIS172	BTC172	CIS291	MAC291
CIS173	BTC173	CIS292	MAC292
CIS175	BTC175	CIS293	MAC293
CIS190	MAC190	CIS295	MAC295
CIS195	MAC195		

to promote workplace access. Topics include: the transformation of work; the impact of diversity in the workplace; the importance of continuous learning and career planning; and the competencies essential for workplace success. Emphasis will be placed on the use of experience-based learning to facilitate the transition from academic to professional life. This course is a prerequisite for internship placement for students who are not in a First Year Academy.

Prerequisites: CSE099, ENA/ENG/ESA099/ENC101, MAT095. Students must have completed 15 credits, including the introductory course in their major.

CEP111 Cooperative Education: Secondary Education Internship I

2 credits; 2 hours

Introductory internship experience in a secondary education classroom setting. Students will have the opportunity to: explore the field of secondary education as a profession; integrate classroom theory with internship experience; and apply and strengthen interpersonal, technological, and critical thinking skills, while assisting students with diverse needs. A minimum of eighty hours at the internship site is required. A concurrent seminar provides a framework for analyzing and evaluating students' experience.

CEP112 Cooperative Education: Childhood Education Internship I

2 credits; 2 hours

This is an introductory internship experience in a childhood education setting. Students will have the opportunity to: explore the field of education as a profession; integrate classroom theory with internship experience; and apply and strengthen interpersonal, technological and critical thinking skills, while assisting students with diverse needs. A minimum of eighty hours at the internship site is required. A concurrent seminar provides a framework for analyzing and evaluating students' experience.

CEP121 Cooperative Education: Fundamentals of Professional Advancement

3 credits; 3 hours

This introductory Cooperative Education course will help students evaluate career and educational plans, develop professional literacy, and synthesize connections between coursework and professional opportunities. Theories of experiential learning and an overview of career planning will be introduced. Web-based activities, online reading and writing assignments and a pre-internship project will culminate in the development of a professional ePortfolio. This course is a prerequisite for internship placement for students who are in a First Year Academy.

Pre- or Corequisites: For All Academies: CSE099, ESL099

For Technology Academy: BTC100 or MAC101

For Business Academy: BTM101

For Liberal Arts or Allied Health Academy: SSS100 or SSY101

CEP151 Cooperative Education: Part-Time Internship

2 credits; 1 seminar hour; 15-20 internship work hours

This internship provides students with an experience-based

Cooperative Education Department

Room M204 (718) 482-5204

The Cooperative Education Department believes in the value of experience-based learning. Our mission is to engage students in a process of active learning that links work experience with opportunities for critical analysis and reflection.

Department Faculty

Francine White, Chairperson; Karen Anderson, Mark Blackman, James Cantwell, Diane Ducat, Michael Frank, Doreen Kolomecauk, Jeffrey Weintraub

CEP100 Cooperative Education: Gateway to the Workplace

1 credit; 1 hour

This introductory Cooperative Education course is designed to foster career development in a changing work environment and

learning opportunity to: explore or confirm career interests and plans; apply classroom learning to real work situations; and practice and strengthen interpersonal and technical skills. A minimum of 15-20 hours per week at the internship site is required during the Co-op cycle. A concurrent seminar provides a framework for students to analyze their internship experience.

*Prerequisites: CEP100 or CEP121 (for students in a First Year Academy) and MAT096**

CEP152 Cooperative Education: Part-Time Internship

2 credits; 1 seminar hour; 15-20 internship work hours

This elective internship provides students with an experience-based learning opportunity to: explore or confirm career interest and plans; apply classroom learning to real work situations; and practice and strengthen interpersonal and technical skills. 15-20 hours per week at the internship site is required during the Co-op cycle. A concurrent seminar provides a framework for students to analyze their internship experience.

*Prerequisite: CEP 201**

CEP175 Cooperative Education: Bilingual Education Internship I

2 credits; 2 hours

This is an introductory internship experience in a bilingual classroom setting. Students will have the opportunity to: explore the field of education as a profession; integrate classroom theory with internship experience; and apply and strengthen interpersonal, technological, and critical thinking skills, while assisting students with diverse needs. A minimum of eighty hours at the internship site is required. A concurrent seminar provides a framework for analyzing and evaluating students' experience.

CEP201 Cooperative Education: Full-Time Internship

3 credits; 1 seminar hour; 25-40 internship work hours

This internship provides students with an experience-based learning opportunity to: explore or confirm career interests and plans; apply classroom learning to real work situations; and practice and strengthen interpersonal and technical skills. 25-40 hours per week at the internship site is required during the Co-op cycle. The internship is accompanied by a concurrent seminar that provides a framework for students to analyze their internship experience.

*Prerequisites: CEP100 or CEP 121 (for students in a First Year Academy) and MAT096**

CEP202 Cooperative Education: Full-Time Internship

3 credits; 1 seminar hour; 25-40 internship work hours

This elective internship provides students with an experience-based learning opportunity to: explore or confirm career interests and plans; apply classroom learning to real work situations; and practice and strengthen interpersonal and technical skills. 25-40 hours per week at the internship site is required during the Co-op cycle. The internship is accompanied by a concurrent seminar that provides a framework for students to analyze their internship experience.

*Prerequisite: CEP201**

* Students are required to have at least a 2.0 cumulative grade point average the semester prior to each internship semester and have completed the appropriate introductory and/or other pre-requisite courses in their major.

Each of these courses (except Fundamentals of Professional Advancement and Gateway to the Workplace) includes both the Internship and the Internship Seminar. When registering, students must also register for the appropriate seminar code as specified by their Co-op Faculty Advisor.

Students in the following specialized curricular areas should check their departmental course descriptions for the appropriate internship and seminar codes: Human Services, Occupational Therapy Assistant, Dietetic Technician, Physical Therapist Assistant Veterinary Technology.

The Major Seminars offered by the Cooperative Education Department are as follows:

CEP211 Co-op-Ed: Secondary Education Internship II

0 credits; 2 seminar hours; 80 total internship hours

Secondary-level internship experience in a secondary education classroom setting. Students will observe and reflect on the field of secondary education as a profession, connect language/literacy theories and practices with internship experiences; and apply and strengthen core competencies, while assisting students with diverse needs. A minimum of eighty hours at the internship site is required. A required concurrent seminar provides a framework for analyzing and evaluating students' experiences.

Prerequisites: ELN120, CEP111, CPA011, ENC/ENG101

Corequisites: ELE204, CEP211, and CPB011

CEP212 Co-op-Ed: Childhood Education Internship II

0 credits; 2 seminar hours; 80 total internship hours

This is a second-level internship experience in an early childhood education setting. Students will observe and reflect on the field of education as a profession; integrate language and literacy development theories and practices with internship experiences; and apply and strengthen core competencies, while assisting students with diverse needs. A minimum of eighty hours at the internship site is required. A required concurrent seminar provides a framework for evaluating students' experiences.

Prerequisites: ENC/ENG101, ELN120, CEP111, CPA011

Corequisites: ELE203, CEP212, and CPB011

CEP275 Co-op-Ed: Bilingual Education Internship II

0 credits; 2 seminar hours; 80 total internship hours

This is a second-level internship experience in a bilingual classroom setting. Students will observe and reflect on the field of education as a profession; integrate language and literacy development theories and practices with internship experience; and apply and strengthen core competencies, while assisting students with diverse needs. A minimum of eighty hours at the internship site is required. A required concurrent seminar provides a framework for

analyzing and evaluating students' experience.

Prerequisites: ENC/ENG101, ELE120, CEP175, CPA011

Corequisites: ELE203, CEP275, and CPB011

CPA011 Reflective Practice in the Teaching Profession I

Students on either first or second internships in educational settings may take this combined seminar. The focus is on the players in the classroom—children, teachers, and other participating adults—as well as factors which influence the classroom, both in and out of school, and the refinement of observation and communication skills essential for investigating a variety of classroom issues. Seminar topics will also focus on classroom management, teaching, and student learning and behavior.

Corequisite: For *Childhood Education*, CEP112 and ELN120

Corequisite: For *Secondary Education*, CEP111 and ELN120

Corequisite: For *Bilingual Child*, CEP175 and ELN120

CPA041 Critical Reflection and Learning at Work

This seminar will identify experiential learning strategies and techniques that will help students maximize the learning potential of their internships. Topics covered will include theories, principles and practices of experiential education; an exploration of values, culture and ethics at work; an essential skills approach to task/skill analysis; interpersonal and communication skills; internal and external factors affecting work; organizational structure; and personal development. Self-reflection, group work, selected readings and written assignments will be used throughout the course. This seminar is also offered in an online format during selected terms.

CPB011 Reflective Practice in the Teaching Profession II

This course is designed to present experience-based learning and reflective practice to complement topics in language and literacy courses in childhood, bilingual and secondary education. Through classroom observation and activities on their internship assignments, students will be able to identify, report, interpret and reflect on issues that have relevance to language and literacy. A teaching ePortfolio will be designed to meet national standards and to present students' growth and development.

Prerequisites: ENC/ENG101, ELN120, CEP111, CPA011;

Corequisites: ELE204, CEP212, 115, 176, and CPB011

Corequisite for Childhood Education: CEP212 and ELE203

Corequisite for Secondary Education: CEP211 and ELE204

Corequisite for Bilingual Child: CEP275 and ELE203

24 classroom seminar to accompany internship.

CPB041 Fundamentals of Career Advancement

This seminar is designed to enhance career decision-making skills. Each student will be engaged in the process of solving his or her current career dilemma. Other topics include planning for further education, career networking, using career information and learning from work experience.

CPC041 The Future of Work

This seminar explores the changes in the workplace due to the trend of advancing technologies and the closely related trend of globalization. It will discuss the emerging New Economy and how

it is altering key aspects of our working lives as well as our lives outside paid work. The seminar will also investigate the technological and organizational changes that have occurred in the workplace during the past few decades. Students will be asked to analyze their current internship experience in the light of the changing American and global economy. This seminar is also offered in an online format during selected terms.

CPP024 Co-op Prep for Engineering Science

0 credits; 1 hour

This course will enable engineering majors to explore and/or confirm career interests and plans and develop professional literacy in the field of engineering. Topics include: self-assessment, career and educational research and planning, strategies to access professional opportunities, contemporary issues and ethics in engineering and the impact of diversity in the workplace. Students will be involved in web-based activities, group work and online reading and writing activities to meet course objectives.

Prerequisite or Co-requisite: ENC/ENG101, MAT200

IND100 Portfolio Development

1 credit; 2 hours

This course will assist students to develop a portfolio that provides a description of life/workplace experiences and learning accomplishments as they relate to the objectives of a college credit course. As a process for reflective learning and professional development, it will require students to design and create an ePortfolio that contains evidence of, and reflection on, curricular, co-curricular and personal accomplishments. A request for additional credit through various departments is optional.

Counseling Department

Room C239 (718) 482-5250

Counselors within the Division of Academic Affairs provide programs designed to help students with personal, academic, and career concerns. Additionally, the department offers two courses, the New Student Seminar and a Career Development Seminar. These courses are described below.

Department Faculty

Lynne Alston-Jackson, Pierrina Andritsi, Jean Buckley-Lockhart, Louise A. Butironi, Emily Carrasquillo, Robert J. Durfey, Joan Edmonds-Ashman, Ana M. Mora, Lynne Teplin, Kyoko M. Toyama, LaVergne Trawick

FSM001 New Student Seminar

0 credit; 1 hour

New Student Seminar is designed to provide an orientation for

students to LaGuardia and to provide students with the knowledge and skills they need to be successful in college. Students will learn college policies and academic requirements, effective study skills, and test-taking strategies. In addition, students will engage in self and career exploration as well as academic planning and advisement.

FSC100 Career Development Seminar

1 credit; 1 hour

This seminar introduces the theory and process of career development. Students will examine personal and societal forces that influence career choice. In addition, an assessment of the students' career interests, values and skills will help students understand the theory of career decision-making and apply this knowledge to their own career exploration. Through the use of career information resources, students will learn the relationship between self-assessment and career choice.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095

Education and Language Acquisition Department

Room E200 (718) 482-5640

The Education and Language Acquisition (ELA) Department offers courses in education, modern languages and literatures, general language study, and English as a second language. The department offers two urban study courses and houses three education programs: bilingual education, childhood education and secondary education.

Department Faculty

Jack Gantzer, Chairperson, Paul Arcario, Rashida Aziz, Daisy Bustio, Ruhma Choudhury, Florence Diallo, Monika Ekiert, Nancy Erber, Wenjuan Fan, Linda Forrester, Jie Gao, Judy Gex, Laurie Gluck, Lilik Gondopriono, Mabel Gonzalez-Quiroz, Rick Henry, Ana Maria Hernandez, Rosa Herrera-Rodriguez, Maria Jerskey, Rebakah Johnson, Hyun Joo Kim, Carole Lazorisak, Natalie Linton, Tomonori Nagano, Agnieszka Rakowicz, Max Rodriguez, Mariajose Romero, Jane Selden, Carolyn Sterling-Deer, Kenneth Yin

Bilingual Education

ELB102 Educational Psychology: The Bilingual Child in an Urban Environment

3 credits; 5 hours

This course deals with an examination of the psychological theories of learning and motivation as they apply to bilingual children. Students will be introduced to the general concepts of educational

psychology specifically as they apply to bilingual education. Theories of learning and motivation, cognition, learning disabilities and cultural pluralism will be examined in the context of preadolescent development in an urban setting. In addition to class sessions, a two-hour-per-week field lab and a case study log are required.

Prerequisite: ELN101

ELB103 Principles and Practices of Bilingual Education and ESL

3 credits; 6 hours

This course deals with a) learning theories and their implications for the bilingual child in his/her total school environment, b) a review of instructional approaches and teaching strategies which could be effectively used to educate bilingual children, c) the nature of first and second language acquisition as well as the materials for the teaching of language to transitional bilingual children.

Prerequisite: ELB102

ELB200 Teaching Reading and Language Arts in the Bilingual Classroom

3 credits; 6 hours

This course surveys theories, practices, and materials in the teaching of language arts in bilingual programs. It includes examination of the interrelations of listening, speaking, reading and writing, as well as the influence of culture on language development. Coursework involves developing and presenting mini-lessons and designing a four-week language arts unit. In addition, students will evaluate materials and present written and oral reports. A three-hour weekly field experience is required.

Prerequisite: ENC/ENG101, ELB103

Education

ELD170 Integrated Curriculum A: Framework for the Developing Child

3 credits; 3 hours

This first course in the Child Development sequence introduces the concept of the integrated curriculum as the preferred approach in early childhood education. Theories on the acquisition of language and its sequential development will provide a framework for understanding the significance of language in interpersonal relationships within one's culture and across other cultural groups. Curriculum experiences for children will be planned and tested in a required co-requisite internship setting.

Prerequisite: HSC102, SSS100 or SSB110

Pre- or Corequisite: SSY101

Corequisite: Approved Co-op internship

ELD171 Integrated Curriculum B: Developing Problem-Solving Skills

3 credits; 3 hours

This course will introduce students to the problem solving and logical thinking processes that are common to both science and

mathematics learning for young children. The continuing emphasis on language development will focus on building a specialized vocabulary and the communication of thinking processes. The course will also foster knowledge and understanding of the mathematical, and scientific legacies ancient cultures and civilizations have passed on to the modern world. There is a required co-requisite internship.

Prerequisite: ELD170

Pre- or Corequisite: MAT103 or SCB101 or SCP101

Corequisite: Approved Co-op internship

ELD172 Integrated Curriculum C: Developing Creativity

3 credits; 3 hours

This course will consider the media through which children's creativity is expressed. The content will focus on the use of imaginative play, music and movement, art and materials. The course will also challenge students to study and present art, music and literature in their many forms from various cultural, ethnic, religious, and racial perspectives.

Prerequisite: ELD170

Pre- or Corequisite: HUA101 or HUM101, SSY240

Corequisite: Approved Co-op internship

ELE203 Language and Literacy in Childhood Education

3 credits; 3 hours

This writing intensive course provides a working knowledge of language and literacy development in early childhood. Course work involves examination of early language development in young children and going through grade 6. Topics include study of the relationship between written and spoken language and oral language development in children in culturally and academically diverse groups. Students will study language diversity and its impact on emergent literacy in early childhood. Must also register for fieldwork.

Prerequisite: ELL101, ELN120, ENG102

ELE204 Language and Literacy in Secondary Education

3 credits; 3 hours

This writing-intensive course is designed to promote students' understanding of the importance of issues concerning language and literacy in secondary education and their relevance to classroom practices. Students will learn about first and second language acquisition, dialects, discourses and other language abilities as well as communicative styles and language complexity. Strategies for teaching content-area material to a diverse student population will also be addressed. Students must register for fieldwork.

Prerequisite: : ELL101, ELN120, ENG102

ELN120 Foundations of American Education

3 credits; 3 hours

This writing intensive course introduces students to the socio-cultural and historical forces that influence education. Through the reflective decision-making model, and using New York City schools as a laboratory, students examine issues related to urban and language minority students. Topics include analysis of major educational ideas, practices and pedagogy of education and bilingual education. Students must register for an Internship and

seminar. Students will create teacher education ePortfolios.

Prerequisite: MAT095

Pre- or Corequisite: ENG102

This is a Writing Intensive course.

English as a Second Language

ESA099 Basic Writing for NNS of English

0 credits; 6 hours (4 lecture, 2 lab)

(Equivalent to ENG099)

This course aims at developing college-level writing proficiency. By emphasizing the writing process, rhetorical conventions, summary writing, paraphrasing and analytical language skills, the course will prepare students for timed, high-stakes essays, such as the CATW. In addition, students will learn to identify and correct grammatical errors in their own compositions and learn to employ argumentative and other rhetorical modes in a short essay form to clearly express ideas written in academic English.

Prerequisite: ESL/ESR099 or waiver

ESE099 Intensive Basic Writing for NNS of English

0 credits; 45 hours

This is a one-week intensive version of ESA 099. The course helps non-native English speakers (NNS) develop college-level writing proficiency through careful attention to the second language writing process. Emphasizing process writing, contrastive rhetoric and grammatical accuracy, this course prepares NNS for both college-level writing and timed, high-stakes testing. Students will learn to employ argument in short essay form to clearly express their opinions in edited American English.

Prerequisite: Departmental permission

ESL097 English as a Second Language II

0 credits; 9 hours (7 lecture, 2 lab)

(Equivalent to First Year Institute USE097)

This course, for students with some knowledge of English develops a student's proficiency in listening, speaking, reading and writing. Listening and pronunciation receive careful attention. Similarities and differences between written and spoken language are emphasized. At the end of the course, students must demonstrate their overall proficiency by passing departmental listening, reading, and writing examinations.

Prerequisite: Placement exam

ESL098 English as a Second Language III

0 credit; 9 hours (7 lecture, 2 lab)

(Equivalent to First Year Institute USE098)

This course helps intermediate level ESL students to improve their reading and writing skills and also provides practice in listening and speaking. All of the activities focus on expanding the students' knowledge of English and developing fluency in all of the skills. At the end of the course, students must demonstrate increased com-

petency in writing as well as in reading, speaking and listening.

Prerequisite: ESL097 or placement exam

ESL099 English as a Second Language IV

0 credit; 10 hours; (8 lecture, 2 lab)

(Equivalent to First Year Institute USE099)

This course provides extensive practice in reading, writing, listening and speaking using college-level materials, and helps students increase their vocabulary and study skills. Its purpose is to enable students to express ideas in acceptable written and spoken English.

Prerequisite: ESL/ESR098 or placement exam

ESR098 ESL III for Select Readers

0 credit; 6 hours (6 lecture, 2 lab)

(Equivalent to ESL098)

This is an accelerated course which focuses on expository writing and critical reading skills for the non-native speaker of English and is open only to those students who achieve a predetermined level based on the reading placement test. Oral presentations and/or themes will follow the discussion of reading selections used to improve students' ability to think critically. These selections and the students' compositions will be used for grammar and vocabulary instruction.

Pre- or Corequisite: This course is only open to new students who place at the ESL 098 level and who either place into CSE 099 or have a passing score on the Compass Reading test.

ESR099 ESL IV for Select Readers

0 credit; 8 hours; (6 lecture, 2 lab)

(Equivalent to ESL099)

This is an accelerated ESL099 course which provides extensive practice in reading, writing, listening and speaking using college-level materials and helps students increase their vocabulary and study skills. Its purpose is to enable students to express ideas in acceptable written and spoken English. Final compositions read by both ESL and English Department faculty determine placement in English Department courses.

Prerequisite: ESR098 or placement exam

Language Study

ELL101 Introduction to Language

3 credits; 3 hours

An introduction to the nature, structure and history of language, this course surveys the scientific study of language and answers the question of what it means to "know" a language. Areas covered include phonology, word structure, sentence structure, how language is acquired, how languages change through time, language in society and writing systems.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

ELL/ENG110 English Grammar Syntax

3 credits; 3 hours

This is a syntax and grammar course. The course focuses on those advanced grammatical structures necessary in academic discourse. The course begins with a review of the English verb system and covers preposition use, English word order, adverb, adjective and noun clauses, reported speech, article usage, complex conditionals and passive voice. Additional topics may be selected in response to the particular needs and interests of the students in the class.

Pre- or Corequisite: CSE095, ESL/ESR099

ELL114/HUC114 Normal Language Development

3 credits; 3 hours

This course provides a comprehensive overview of normal language acquisition and development. It explores historical and current language theories, research findings and basic stages of typically developing language users. Related topics include an exploration of second language acquisition and atypical language development in people with specific language impairment.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

ELL210 English Morphology

3 credits; 3 hours

This course applies linguistic principles to the study of the English vocabulary and examines morphemes and how they combine to form English words. Topics include an overview of the history of English with particular emphasis on word development, word histories, sound change and meaning change, sources of new words, usage and variation and slang.

Prerequisite: ELL101, ENC/G101, MAT096

ELL220 Introduction to Sociolinguistics

3 credits; 3 hours

This course surveys topics in sociolinguistics including language codes, regional and social dialects, and language variation as well as the cultural basis of language codes. Additional areas of study include the origins of pidgin and creole languages and the formation of speech communities/communities of practice. An overview of research methods common to sociolinguistic research will also be introduced.

Prerequisite: ELL101, ENC/G101, MAT096

Modern Languages and Literatures

American Sign Language

ELM101 American Sign Language I

3 credits; 4 hours (3 lecture, 1 lab)

This course introduces the fundamentals of American Sign Language (ASL) as used by the Deaf community, including vocab-

ulary, syntax, grammar, semantics, language in use and Deaf cultural notes. It focuses on the development of language and communication competencies.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, ESL/R099

ELM102 American Sign Language II

3 credits; 4 hours (3 lecture, 1 lab)

This course builds on the foundations of American Sign Language 1 (ELM 101). The course focuses on American Sign Language as used by the Deaf community and includes instruction in vocabulary, syntax, grammar, semantics, language in use and Deaf cultural behavior. The course focuses on the development of language and communication competencies.

Prerequisite: ELM101

ELM103 American Sign Language III

3 credits; 4 hours (3 lecture, 1 lab)

This course builds on students' ASL competences and their use of ASL in a variety of discourse and narrative settings. Skills to be developed are: spatial organization, semantic awareness, complex use of ASL grammar and syntax, the use of classifiers, cultural perspectives of content and Deaf people's views of both Deaf and hearing worlds.

Prerequisite: ELM102

ELM104 American Sign Language IV

3 credits; 4 hours (3 lecture, 1 lab)

This course focuses on the advanced development of students' ASL competences and their use of ASL in a variety of discourse and narrative settings. Skills to be developed are: spatial organization, spatial visualization and mapping work; analysis of semantics, complex use of ASL grammar and syntax, the use of classifiers, and cultural perspectives of contents and Deaf culture and bilingual perspectives.

Prerequisite: ELM103

Arabic

ELA101 Elementary Arabic 1

3 credits; 3 hours

This course for beginners is designed to develop listening, speaking, reading and writing skills through work in the classroom and the language laboratory.

Note: A student must successfully complete ELA102 Arabic 2 before credit is granted for ELA101 Elementary Arabic 1.

ELA102 Elementary Arabic 2

3 credits; 3 hours

This course is a continuation of ELA101 Elementary Arabic 1.

Prerequisite: ELA101

ELA201 Modern Arabic Literature

3 credits; 3 hours

This course will familiarize students with the literary production

of authors from the Arabic-speaking world. Reading and analysis of representative works of different styles, genres and literary periods will be selected every semester. This course is taught in Arabic.

Prerequisite: Exemption Exam

Pre- or Corequisite: CSE099, ENG098, ESL097

Bengali

ELV101 Elementary Bengali 1

3 credits; 3 hours

This course for beginners is designed to develop listening, speaking, reading, and writing skills within a sociolinguistic context of Bengali-speaking people through work in the classroom and the language laboratory.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

Note: Student must successfully complete ELV102 before credit toward graduation is granted for ELV101 Elementary Bengali 1.

ELV102 Elementary Bengali 2

3 credits; 3 hours

This course is a continuation of ELV101. Listening, speaking, reading and writing skills will be further developed within a sociolinguistic context of Bengali-speaking peoples through work in the classroom and the language laboratory. All writing will be done using Bengali script.

Prerequisite: ELV101 or Exemption Exam

ELV103, Intermediate Bengali

3 credits; 3 hours

This course is designed to further develop functional language proficiency and increase the ability to communicate accurately in Bengali within a socio-cultural context. The four communicative skills of listening, speaking, reading and writing are emphasized with particular attention paid to sentence and paragraph structure, grammatical features, and oral and written fluency. The Bengali writing system will be reinforced. Taught in Bengali.

Prerequisite: ELV102 or Exemption Exam

ELV105 Bengali for Heritage Students

3 credits; 3 hours

This course is designed to enable heritage speakers of Bengali to enhance their reading and writing competence through a review of grammar and usage, basic composition strategies and analysis of primary material in the language. This course is taught in Bengali.

Prerequisite: Exemption Exam

Pre- or Corequisite: CSE099, ENG098, ESL097

ELV201 Modern Bengali Literature

3 credits; 3 hours

This course will familiarize students with modern Bengali literature through selected readings from various genres. Representative authors from West Bengal and Bangladesh will be studied. This course is taught in Bengali.

Prerequisite: Exemption Exam

Chinese

ELC101 Modern Chinese I

3 credits; 4 hours (3 lecture, 1 lab)

The basic course in Modern Chinese (Mandarin) is designed to develop primary listening and speaking skills through work in the classroom and language laboratory. Students will learn the pronunciation, grammar and vocabulary of Chinese in the context of important aspects of the culture affecting the communication process. Students will be introduced to the romanized writing system (pinyin).

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

Note: Student must successfully complete ELC102 before credit toward graduation is granted for ELC101 Modern Chinese 1.

ELC102 Modern Chinese II

3 credits; 4 hours (3 lecture, 1 lab)

This is a continuation of ELC101. Listening and speaking skills will be further developed through work in the classroom and the language lab. Students will learn more about Chinese pronunciation, grammar and vocabulary in selected cultural contexts. The basic Chinese writing system will be introduced.

Prerequisite: ELC101

ELC103 Intermediate Chinese

3 credits; 4 hours (3 lecture, 1 lab)

This course is the third in a sequence. The purpose of the course is to help students build functional language proficiency and increase their ability to communicate in Mandarin Chinese with confidence and ease. The course continues to focus on the four basic skills of listening, speaking, reading and writing, with a strong emphasis on sentence structure, grammatical features, oral and written translation fluency and vocabulary building.

Prerequisite: Exemption Exam

ELC105 Modern Chinese for Heritage Students

3 credits; 3 hours

This course is designed for Chinese heritage students who wish to enhance their communicative skills.

Prerequisite: Exemption Exam

ELC150 Skills Maintenance in Modern Language

1 credit; 2 lab hours

This laboratory course is designed to maintain foreign language skills during an interruption in the study sequence. Individual instruction is directly related to a student's particular field of interest. Hours are individually arranged.

Prerequisite: ELC101

ELC201 Modern Chinese Literature

3 credits, 3 hours

This course introduces students to modern Chinese literature and culture. Readings will be taken from various genres of literature, with an emphasis on modern Chinese literary expression. The course aims at strengthening the student's ability to read and discuss literature in Chinese. Special attention will be paid to the

Chinese literary tradition and its relationship to Western literature.

Prerequisite: Placement Exam

ELC202 Contemporary Chinese Literature

3 credits, 3 hours

This course is an introduction to contemporary Chinese literature. It aims at familiarizing students with the literature written in Chinese from 1949 to the present, and the concomitant transformation of Chinese socio-cultural milieu since the creation of the People's Republic of China. This course is taught in Chinese.

Prerequisite: Placement Exam

ELC203 Classic Chinese Literature

3 credits, 3 hours

This course is an introduction to classical Chinese literature. It aims at strengthening students' ability to read and comprehend original texts written in wen yan wen, classical written Chinese. Furthermore, it enables students to have direct, zero-distance contact with genuine Chinese culture and ideology. This course is taught in Chinese.

Prerequisite: Placement Exam

French

ELF101 Elementary French I

3 credits; 4 hours (3 lecture, 1 lab)

This course for beginners is designed to develop listening, speaking, reading and writing skills through work in the classroom and the language laboratory.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

Note: A student must successfully complete ELF 102 before credit is granted for ELF101 Elementary French 1.

ELF102 Elementary French II

3 credits; 4 hours (3 lecture, 1 lab)

This is a continuation of Elementary French I.

Prerequisite: ELF101

ELF103 Intermediate French

3 credits; 4 hours (3 lecture, 1 lab)

This course is designed to further develop language skills. The relationship between speaking, reading and writing is emphasized.

Prerequisite: Exemption Exam

ELF105 French for Francophones

3 credits; 4 hours (3 lecture, 1 lab)

This course is designed to enable students who speak French at an intermediate level to develop further oral and written skills through interviews, reading and writing assignments. This course will also emphasize spelling, grammar and vocabulary needed to pursue academic coursework in French.

Prerequisite: Exemption Exam

ELF150 Skills Maintenance in Modern Language*1 credit; 2 lab hours*

This laboratory course is designed to maintain foreign language skills during an interruption in the study sequence. Individual instruction is directly related to a student's particular field of interest. Hours are individually arranged.

*Prerequisite: CSE099, ENA/ENG/ESA099/ENC101***ELF201 French Literature from a Global Perspective***3 credits; 3 hours*

This course is an introduction to the literature and culture of French speaking countries through various forms of literary expression. Readings and discussions will emphasize the rich contributions of African, Caribbean and North American writers and artists, as well as responses to them from France and the United States.

*Prerequisite: Placement Exam***ELF250 Contemporary Francophone Literature in Translation***3 credits; 3 hours*

This course examines the thematic and stylistic variety of contemporary French language literature in different genres in English translation. Students will explore themes of identity, memory, time, sex and sexuality, the Pan-African diaspora, colonial and post-colonial relations, the Enlightenment heritage, the links to national and international movements, and the politics of resistance and language choice through the analysis of representative poems, stories, novellas and novels.

*Prerequisite: ENC/ENG101***Greek****ELG103 Intermediate Greek***3 credits; 3 hours*

This course is designed to further develop language skills. The relationship between speaking, reading and writing is emphasized.

*Prerequisite: Exemption Exam***Hebrew****ELH101 Elementary Hebrew I***3 credits; 4 hours (3 lecture, 1 lab)*

This course for beginners is designed to develop listening, speaking, reading and writing skills through work in the classroom and the language laboratory.

*Note: A student must successfully complete ELH102 before credit is granted for ELH101 Elementary Hebrew I.**Prerequisite: CSE099, ENA/ENG/ESA099/ENC101***ELH102 Elementary Hebrew II***3 credits; 4 hours (3 lecture, 1 lab)*

This course is a continuation of Elementary Hebrew I. It is designed to further develop listening, speaking, reading and writing through work in the classroom and the language laboratory.

*Prerequisite: ELH101***ELH201 Contemporary Hebrew Literature***3 credits; 3 hours*

This course is an introduction to literature written in modern Hebrew and the culture of Israel. Its goal is to familiarize students with an author, a genre or a theme and to explore the socio-cultural milieu in which it developed. This course is taught in modern Hebrew.

*Prerequisite: Exemption Exam***Italian****ELI101 Elementary Italian I***3 credits; 4 hours (3 lecture, 1 lab)*

This course for beginners is designed to develop listening, speaking, reading, and writing skills through work in the classroom and the language laboratory.

*Prerequisite: CSE099, ENA/ENG/ESA099/ENC101**Note: A student must successfully complete ELI102 before credit is granted for ELI101 Italian I.***ELI102 Elementary Italian II***3 credits; 4 hours (3 lecture, 1 lab)*

This is a continuation of Elementary Italian I.

*Prerequisite: ELI101***ELI103 Intermediate Italian***3 credits; 4 hours (3 lecture, 1 lab)*

This course is designed to further develop functional language proficiency and increase the ability to communicate accurately in Italian within a socio-cultural context. The four communicative skills of listening, speaking, reading and writing are emphasized with particular attention paid to sentence and paragraph structure, grammatical features, and oral and written fluency. This course is taught in Italian.

*Prerequisite: ELI102***ELI150 Skills Maintenance in Modern Language***1 credit; 2 lab hours*

This laboratory course is designed to maintain foreign language skills during an interruption in the study sequence. Individual instruction is directly related to student's particular field of interest. Hours individually arranged.

*Prerequisite: CSE099, ENA/ENG/ESA099/ENC101***ELI250 Italian Literature in Translation***3 credits; 3 hours*

This introduction to Italian literature begins with a discussion of Dante's Hell as a medieval outcry against political corruption. The course concludes with Italo Calvino's twentieth-century portrait of a man who takes to the trees as a form of social commentary.

The class will explore literary themes in social and political context through diverse media. The course will be conducted in English, and students will read the literary works in English translation.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, ESL098

Japanese

ELJ101 Elementary Japanese 1

3 credits; 3 hours

This course for beginners is designed to develop listening, speaking, reading, and writing skills through work in the classroom and the language laboratory.

Note: A student must successfully complete ELJ102 before credit is granted for ELJ101 Elementary Japanese 1.

ELJ102 Elementary Japanese 2

3 credits; 3 hours

This course is a continuation of ELJ101 Elementary Japanese 1.

Pre- or Corequisite: ELJ101

ELJ103 Intermediate Japanese 1

3 credits; 3 hours

This course is designed to further develop functional language proficiency and increase the ability to communicate accurately in Japanese within a socio-cultural context. The four communicative skills of listening, speaking, reading and writing are emphasized, with particular attention paid to sentence and paragraph structure, grammatical features, and oral and written fluency. The Kanji writing system will be introduced and reinforced. Taught in Japanese.

Prerequisite: ELJ102 or Exemption Exam

Pre- or Corequisite: CSE095, ESL097

ELJ104 Intermediate Japanese 2

3 credits; 3 hours

This course is designed as a continuation of Intermediate Japanese 1 with greater emphasis on reading and writing. It also continues to familiarize students with literary Japanese. This course will be taught in Japanese.

Prerequisite: ELJ103 or Exemption Exam

Pre- or Corequisite: CSE095, ESL097

ELJ201 Modern Japanese Literature

3 credits; 3 hours

This course will familiarize students with modern Japanese literature through selected readings with an emphasis on expository style. Representative authors from the Meiji, Taisho, Showa and post-war literature will be selected. [Readings are in Japanese]

Prerequisite: Exemption Exam

ELJ250 Japanese Literature In Translation

3 credits; 3 hours

This course is an introduction to Japanese literature in English

translation. Selected classics of Japanese literature representative of the major genres from the early to the modern period will be read and discussed. Thematic and stylistic variety of various genres will be explored. Knowledge of the Japanese language is not required.

Prerequisite: ENC/ENG101

Korean

ELK101 Elementary Korean I

3 credits; 3 hours

This course for beginners is designed to develop listening, speaking, reading, and writing skills through work in the classroom and the language laboratory. The Korean script han'gul will be used from the onset.

Note: Student must successfully complete ELK102 before credit toward graduation is granted for ELK101 Elementary Korean 1.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

ELK102 Elementary Korean II

3 credits; 3 hours

This course is a continuation of ELK101.

Prerequisite: ELK101

ELK103 Intermediate Korean

3 credits; 3 hours

This course is designed to further develop listening, speaking, reading and writing skills in Korean within a cultural context.

Prerequisite: Exemption Exam

ELK105 Korean for Heritage Students

3 credits; 3 hours

This course is designed for Korean heritage students who wish to enhance their communicative skills.

Prerequisite: Exemption Exam

ELK150 Skills Maintenance in Modern Language

1 credit; 2 lab hours

This laboratory course is designed to maintain foreign language skills during an interruption in the study sequence. Individual instruction is directly related to a student's particular field of interest. Hours individually arranged.

Prerequisite: ELK101

ELK201 Modern Korean Literature

3 credits; 3 hours

This course will familiarize students with Korean literature through selected readings from twentieth century authors.

Prerequisite: Placement Exam

Polish

ELP101 Elementary Polish I

3 credits; 4 hours (3 lecture, 1 lab)

This course for beginners is designed to develop listening, speaking, reading and writing skills through work in the classroom and the language laboratory.

Note: A student must successfully complete ELP102 before credit toward graduation is granted for ELP101 Elementary Polish I.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

ELP102 Elementary Polish II

3 credits; 4 hours (3 lecture, 1 lab)

This course is a continuation of ELP101.

Prerequisite: ELP101

ELP103 Intermediate Polish

3 credits; 4 hours (3 lecture, 1 lab)

This course is designed to further develop listening, speaking, reading and writing skills in Polish within a cultural context.

Prerequisite: Exemption Exam

ELP105 Polish for Heritage Students

3 credits; 4 hours (3 lecture, 1 lab)

This course is designed for Polish heritage students who wish to enhance their communicative skills.

Prerequisite: Exemption Exam

ELP201 Polish Literature

3 credits; 3 hours

This course will familiarize students with Polish literature through selected readings from the earliest times to the present.

Prerequisite: Placement Exam

Portuguese

ELZ101 Elementary Portuguese I

3 credits; 4 hours (3 lecture, 1 lab)

This course for beginners is designed to develop listening, speaking, reading and writing skills through work in the classroom and the language laboratory.

Note: A student must successfully complete ELZ102 before credit is granted for ELZ101 Elementary Portuguese I.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

ELZ102 Elementary Portuguese II

3 credits; 4 hours (3 lecture, 1 lab)

This is a continuation of Elementary Portuguese I.

Prerequisite: ELZ101

Russian

ELR101 Elementary Russian I

3 credits; 3 hours

This course for beginners is designed to develop listening, speaking, reading and writing skills through work in the classroom and the language laboratory. The Cyrillic alphabet will be introduced from the onset.

Note: A student must successfully complete ELR102 before credit toward graduation is granted for ELR101 Elementary Russian I.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

ELR102 Elementary Russian II

3 credits; 3 hours

This course is a continuation of ELR101.

Prerequisite: ELR101

ELR103 Intermediate Russian

3 credits; 3 hours

This course is designed to further develop listening, speaking, reading and writing skills in Russian within a cultural context.

Prerequisite: Exemption Exam

ELR105 Russian for Heritage Students

3 credits; 4 hours (3 lecture, 1 lab)

This course is designed for Russian heritage students who wish to enhance their communicative skills.

Prerequisite: Exemption Exam

ELR201 Russian Literature of the 20th Century

3 credits; 3 hours

This course will familiarize students with key works by Russian writers from the end of the tsarist monarchy to the present.

Prerequisite: Placement Exam

Spanish

ELS101 Elementary Spanish I

3 credits; 4 hours (3 lecture, 1 lab)

This course for beginners is designed to develop listening, speaking, reading and writing skills through work in the classroom and the language laboratory.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

Note: A student must successfully complete ELS102 before credit is granted for ELS101 Elementary Spanish I.

ELS102 Elementary Spanish II

3 credits; 4 hours (3 lecture, 1 lab)

This is a continuation of Elementary Spanish I.

Prerequisite: ELS101

ELS103 Intermediate Spanish

3 credits; 4 hours (3 lecture, 1 lab)

This course is designed to further develop language skills. The

relationship among speaking, reading and writing is emphasized.

Prerequisite: Exemption Exam

ELS105 Spanish for Fluent Speakers I

3 credits; 4 hours (3 lecture, 1 lab)

This course is designed to enable the native speaker of Spanish to master the intricacies of Spanish accentuation and spelling, to expand his/her vocabulary and to allow him/her to conduct a basic grammatical analysis of the sentence.

Prerequisite: Exemption Exam

ELS150 Skills Maintenance in Modern Languages

1 credit, 2 lab hours

This laboratory course is designed to maintain foreign language skills during an interruption in the study sequence. Individual instruction is directly related to student's particular field of interest. Hours individually arranged.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

ELS200 Latin American Literature I

3 credits; 3 hours

This course deals with an introduction to Latin American literature and its relationship to the dynamics of social change. The course also traces the influence of European, North American, African and pre-Columbian elements on Latin American literary movements. Topics include pre-Columbian literatures, colonization and exploration, the wars of independence and abolition.

Prerequisite: Placement Exam

ELS201 Latin American Literature II

3 credits; 3 hours

This course is a continuation of Latin American Literature I. The second term deals with urbanization, social consciousness, alienation, black awareness and the new revolutions.

Prerequisite: Placement Exam

ELS204 Latin American Civilizations

3 credits; 3 hours

This course deals with an in-depth study of the peoples and cultural institutions of Latin America through the examination of selected topics such as caudillismo, machismo, mestizaje, honor, slavery and aboriginal traditions as reflected in different forms of literary and artistic expression. Students will learn to comment critically on Latin American civilization and to make significant comparisons with their own backgrounds and experiences.

Prerequisite: Placement Exam

ELS205 Latin American Civilizations

3 credits; 3 hours

This course deals with an in-depth study of peoples and cultural institutions of Latin America through the examination of selected topics such as caudillismo, machismo, mestizaje, honor, slavery and aboriginal traditions as reflected in different forms of literary and artistic expression. Students will learn to comment critically on Latin American civilization and to make significant comparisons with their own backgrounds and experiences. In English. No

exemption credit in Spanish.

Prerequisite: CSE099; ENA/ENG/ESA099/ENC101

Note: Not open to students with credit for ELS/HUS 104

ELS 209 Spanish Grammar and Usage

3 credits; 3 hours

This course is designed as a descriptive study of the structure of the Spanish language, while offering writing practice through the analysis of lexical and morphological variations and differences in register in selected texts. Students will analyze Spanish syntax, increase their understanding of the structures of Spanish and develop stylistically correct prose. They will also be able to recognize dialectal variations, differences in register and linguistic calques. Taught in Spanish.

Prerequisite: ENC/ENG101, ELS210

ELS211 Spanish Literature 1

3 credits; 3 hours

This course will familiarize students with the literature of Spain from the Middle Ages through the 1700. Students will read and analyze representative works of different styles, genres and literary periods selected every semester. This course is taught in Spanish.

Prerequisite: ELS105 or Exemption Exam

ELS212 Spanish Literature 2

3 credits; 3 hours

This course traces the development of peninsular Spanish literature from Romanticism to the present. Students will learn about the thematic, stylistic and ideological characteristics of representative movements such as romanticismo, realismo, costumbrismo, Generacion del 98, Generacion del 27, vanguardismo and pre and post Civil War neorealismo. Feminist literature will also be considered. The course will include genre theory as it pertains to poetry drama, the short story, the novel and the essay. In Spanish.

Prerequisite: ELS105

Pre- or Corequisite: CSE095, ENG098, ESL097

ELS210 Advanced Spanish Composition

3 credits; 3 hours

This course is designed as an introduction to the study of fiction and stylistics in the Spanish language. Students learn to identify and utilize effective communicative strategies in written Spanish. They also build an adequate vocabulary for career or academic purposes. Weekly assignments will stress critical and composition skills.

Prerequisite: Placement Exam

ELS215, Introduction to Hispanic Literature

3 credits; 3 hours

This course is designed to introduce students to Hispanic—Spanish and Latin American—fiction, poetry, and drama through readings of representative authors from major periods, and to familiarize students with the basic tools and methodology of literary analysis. This course is taught in Spanish.

Prerequisite: ELS106 or Exemption Exam

ELS220 Commercial Spanish*3 credits; 3 hours*

This course is designed to reinforce advanced composition and research techniques in the field of business. Emphasis is placed on types of business communications and the preparation and analysis of research reports. Students will become familiar with the main similarities and differences between commercial terminology in Spanish and English. They will also become familiar with import, export and other business documents.

*Prerequisite: Placement Exam***ELS230, History of the Spanish Language***3 credits; 3 hours*

This course traces the development of the Spanish language from the Vulgar Latin of the Middle Ages to contemporary Standard Spanish. The course focuses on the historical and cultural factors that determined changes in the morphological, lexical, phonological, semantic and syntactic development of modern Spanish. The influence of Arabic, the Amerindian and African languages, as well as contact with modern English will be considered. Taught in Spanish.

*Prerequisite: ELL101, ELS105***ELS250 Contemporary Latin American Fiction in Translation***3 credits; 3 hours*

This course explores the thematic and stylistic variety of contemporary Latin American fiction in English translation. Students will explore the themes of dictatorship, struggle with nature, the plight of natives, mestizaje, social and political unrest and alienation through the analysis of representative stories, novellas and novels. Experimental and fantastic fiction will also be considered. Students will learn about the literary movements that influenced the writers in question.

*Prerequisite: ENC/ENG101***ELS270 Literature of the Caribbean***3 credits; 3 hours*

This course deals with a comparative study of the novel, drama, poetry, and essay of the countries in the Caribbean basin. Course content will change according to instructor and student preferences. Representative authors may include Marti, Hostos, Llorens Torres, Guillen, Lezama Lima, Mir, Bosch, Cesaire, Carpentier and Ferre.

*Prerequisite: Placement Exam***Urban Study Courses****ELN101 Introduction to Bilingualism***3 credits; 3 hours*

This course will cover the basic rationale, principles, and applications of a bilingual philosophy of learning. It will consider psychological, social and political factors of bilingualism, including past and present legislation. It will also examine language acquisition theories, representative models of bilingualism and

bilingual instruction and issues related to the maintenance of language and culture. Field trips to various schools in the city will constitute a significant part of the course.

*Prerequisite: CSE099, ENA/ENG/ESA099/ENC101**This is a Writing Intensive course.***ELN105 Languages of the World and of New York City***3 credits; 3 hours*

This course explores language use and language history, particularly in the New York metropolitan area. It is an investigation of the features of indigenous languages of the Americas as well as those belonging to the influx of languages from around the world, revealing their deep-seated similarities and surprising differences. It examines the preservation and change of languages and their use in cultural communities in the urban setting.

*Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, ESL/R099**Pre- or Corequisite: MAT095**This is a Writing Intensive course.***ELN194 The Puerto Rican Community Minority Group Experience***3 credits; 3 hours*

This course examines the Puerto Rican community in order to provide an enhanced awareness of and sensitivity to the value systems of New York City's minorities. Students will experience first-hand the cultural heritage of one of the city's largest minorities and will learn about their contributions, conditions, and problems. Field trips will include El Barrio, Office of the Commonwealth of Puerto Rico, the Puerto Rican Traveling Theatre, and other organizations.

*Prerequisite: CSE099, ENA/ENG/ESA099/ENC101**This is a Writing Intensive course.***English Department****Room E103 (718) 482-5656**

The English Department, through a carefully designed curriculum that includes composition, literature and journalism courses, teaches students writing and analytical skills necessary for both academic and career success. The department offers courses in: composition, creative writing, journalism, literature and Urban Study.

Department Faculty

Sandra S. Hanson, Chairperson; Christopher Alexander, Nancy Berke, Edna Boris, Jeremy E. Cagle, Linda Chandler, J. Elizabeth Clark, Terry Cole, Barbara Comins, Carrie A. Conners, Catherine D. Costa, Richard Dragan, Berton R. Eisenstadt, Thomas Fink, Kristen Gallagher, Ximena Gallardo, Gail Green-Anderson, Stafford Gregoire, Carlos Hiraldo, Noel Holton, Heidi Johnsen, Jacqueline M. Jones, Demetrios V. Kapetanacos, Marisa A. Klages, Karlyn Koh, Arlene Ladden, Irwin Leopando, Daniel Lynch, Elizabeth McCormick, Thomas J. Meacham, Claudia

Moreno Pisano, Michelle Pacht, LaRose T. Parris, Kimberly Ramirez, Justin Rogers-Cooper, Victor Rosa, Noam Scheindlin, Christopher Schmidt, Charity Scribner, Sigmund Shen, John O. Silva, C. Jason Smith, Rochelle Spencer, David Styler, Laura Tanenbaum, Gordon Tapper, Ting Man Tsao, Phyllis van Slyck, Lykourgias Vasileiou, James Wilson, Xiaoping Yen, Susan Young, Yu Zhang.

Composition/Writing

ENA099 Basic Writing I

0 credit; 7 hours (6 lecture, 1 lab)

Basic writing is designed to introduce and develop college level writing skills through attention to the writing process. Emphasizing both the writing process and skills needed for timed and high stakes essays, to pass the CUNY aligned Assessment of Writing (CAAW) as their final, this course prepares students for college level writing expressing ideas in U.S. edited English and including text. This course is open to new students only.

Prerequisite: ESL/ESR099, First semester students with a CSE 095 placement and the lowest scores on the ACT or CAAW.

ENC101 Composition I: An Introduction to Expository Writing

3 credits; 4 hours

In this course students focus on writing as a process to create correct, effective, expository essays in response to culturally diverse sources. Students learn argumentation, fundamental research methods and documentation systems. Emphasis is placed on various methods of organization appropriate to the writer's purpose and audience. One contact hour a week focuses on improving basic skills deficiencies in writing. Admission to this course is based on college placement test scores. Open to new students only.

Prerequisite: Exemption/Pass on ACT, First semester students with an exemption or a pass on the CUNY ACT reading test, and the highest failing grade on the new CUNY developmental writing exam (CAAW)

ENG099 Basic Writing I

0 credit; 5 hours (4 lectures, 1 lab)

(Equivalent to Quick Start USW099)

Basic Writing is designed to introduce and develop college level writing proficiency through careful attention to the writing process. Emphasizing both the writing process and skills needed for timed and high stakes essays, such as the CUNY Aligned assessment of Writing (CAAW), this course will prepare students for college level writing. Students will learn text based writing in the short essay form to clearly express ideas in edited U.S. English that integrate analysis of a written text.

Prerequisite: ESL/ESR099, Students must demonstrate readiness for learning college-level writing proficiency as indicated by their score on the CUNY Aligned Assessment of Writing (CAAW) Exam.

ENG101 Composition I: An Introduction to Expository Writing

3 credits; 4 hours

In this course students focus on writing as a process to create correct and effective expository essays in response to culturally diverse sources. Emphasis is placed on using various methods of organization appropriate to the writer's specific writing context. Students use a variety of rhetorical strategies, research methods and documentation procedures in their essays. Admission to this course is based on college placement test scores.

Prerequisite: CSE095/099 if required;

ENA/ENG/ESA099/ ENC101 if required; exemption or Pass on the ACT Writing and Reading Tests.

ENG102 Composition II: Writing Through Literature

3 credits; 3 hours

This course extends and intensifies the work of Composition I, including research methods and documentation procedures. Students are introduced to close-reading techniques to develop critical thinking and writing skills through the study of culturally diverse works in poetry and at least two other literary genres. Writing assignments include a critical research paper applying tools of literary analysis. Admission to the course requires completion of Composition I.

Prerequisite: ENC/ENG101

ENG103 The Research Paper

2 credits; 2 hours

This course gives students intensive instruction and practice in library research and writing a staged, formal essay. Students will learn how to choose an appropriate research topic, pose a research question and outline, organize and integrate source material into their essays without plagiarizing. They will find and evaluate both print and online sources and practice taking notes, summarizing, paraphrasing, quoting, using in-text citations and creating a Works Cited.

Prerequisite: ENC/ENG101

ENG106 Critical Writing: Analysis and Argumentation

3 credits; 3 hours

This course is designed to reinforce and add to the skills developed in Composition I. Emphasis will be placed on those skills central to planning, composing and revising essays of argumentation and critical analysis. Students will also work on developing greater variety and brevity of style and will write a series of essays, including precis, analyses and critiques, based on related readings. A final term paper will contain an independent evaluation of secondary sources.

Prerequisite: ENC/ENG101

ENG/ELL110 English Grammar Syntax

3 credits; 3 hours

This is a grammar and syntax course. The course focuses on the grammatical structures necessary in academic discourse. The course begins with a review of the English verb system and covers preposition use, English word order, adverb, adjective and noun

clauses, reported speech, article usage, complex conditionals and passive voice. Additional topics may be selected in response to particular needs and interests of the students in the class.

Pre- or Corequisite: CSE095, ESL/ESR099

ENG/HUC238 Screenwriting

3 credits; 3 hours

This is a course in the art and craft of writing a fictional narrative for the screen. Screenwriting genres and applications vary widely, yet every one reaches its audience through storytelling. Students examine the ways cinematic narratives show, rather than tell. Students then create their own 10-minute movie script. They explore scene and act structure, character development, dialogue, description, etc. Students learn professional standards for writing for the screen and how to use screenplay software.

Prerequisite: ENC/ENG101

ENN198 Creative Writing Workshop

3 credits; 3 hours

This course introduces students to the elements of creative writing by using New York as a writer's laboratory. Field trips to city places such as schools, streets, parks will lead to writing that uses these places and the people in them as themes. Students will write a variety of creative pieces—sketches, brief narratives, poems, dramatic dialogues dealing with this glimpsed New York life. Reading of and visits with New York writers writing on New York themes will complement these activities.

Prerequisite: ENC/ENG101

This is a Writing Intensive course.

ENZ099 Basic Writing II: ACT Preparation Workshop

0 credit; 4 hours

Basic Writing II is designed to reinforce writing skills acquired in ENA/G099 for students who have passed Basic Writing I but who have not yet passed the writing portion of the CUNY ACT Writing Test. The course provides concentrated test-taking strategies and practice necessary for writing argument essays under time constraints. The course also acts, by reinforcement and enhancement of essay writing, as additional preparation for ENG 101: Composition I.

Prerequisite: ENA/ENG/ESA/099/ENC101

Journalism

ENG210 Journalism: Its Scope and Use

3 credits; 3 hours

This course provides an overview of journalism with an emphasis on print and related areas, such as in-house publications and public relations writing. Also to be covered are the history and impact of journalism, particularly the changing role of women and minorities in the press. News reporting, editing, production, newsroom organization and management will be explored through writing assignments, demonstrations and visits to LaGuardia's newspaper as well as professional news publications.

Prerequisite: ENC/ENG101

ENG211 Journalism: The Craft of Gathering and Reporting the News

3 credits; 3 hours

This course emphasizes writing various types of hard news stories for mainstream and community newspapers. Students also learn how to use different interview styles to cover a variety of newsbeats. Students will be involved in writing for the College newspaper. Field trips to newsrooms will enable students to write reports on potential careers in news writing.

Prerequisite: ENC/ENG101

ENG212 Feature Writing for Newspapers and Popular Magazines

3 credits; 3 hours

This course introduces students to writing various types of feature stories, such as the human interest story, the lifestyle column, opinion and reviews (films, theater, books). To gather material for these features, students will learn how to vary their interview techniques. Press law which applies to writing reviews and opinion will be covered. Each student will also have an opportunity to write a feature profiling cultural diversity at LaGuardia.

Prerequisite: ENC/ENG101

ENG213 Broadcast Journalism: Writing for Radio

3 credits; 3 hours

This course introduces student to the essentials of radio news writing. Students learn how to prepare for radio news interviews, how to outline, write and edit radio news spots of various styles, how to proofread stories to avoid violating FCC regulations. This course also focuses on writing for community-based radio stations. Students will visit a community radio station and will write about careers in radio journalism.

Prerequisite: ENC/ENG101

ENG220 Seminar in Teaching Writing

4 credits; 4 hours

The Seminar in Teaching Writing combines three hours of class discussion of theory and practice of teaching writing with one hour of actual classroom experience as a participant observer and as a tutor. In class, students will discuss readings on writing theory and practice teaching and tutoring methodologies. Students will work with students in a composition or basic writing class. They will observe the class during the first half of the term and during the second half they will tutor under supervision.

Prerequisite: ENC/ENG101

Literature

ENG204 Asian American Literature

3 credits; 3 hours

This course examines the achievements of Asian American writers, exploring ways in which these writers represent community, class, nation, race, ethnicity, gender, sexuality and culture, and analyzing recurrent themes such as identity, generation conflict and

assimilation. Literary works written in English by Khaled Hosseini, Henry David Hwang, Maxine Hong Kingston, Jhumpa Lahiri, Chang-rae Lee, Bharati Mukherjee, John Okada and Wakako Yamauchi, among others, might be studied.

Prerequisite: ENC/ENG101

ENG205 The Bible as Literature

3 credits; 3 hours

This course is designed to analyze the Bible critically as a literary compilation with particular consideration to the following forms: myth, epic narrative, drama, poetry, prophecy and parable. Questions of literary history, canonicity, authorship and source materials are considered. Various translations (e.g., King James, Coverdale, Jerusalem) may be examined comparatively for their use of language. Selections for study are chosen for their impact on subsequent literature, as well as for their artistic merit.

Prerequisite: ENC/ENG101

ENG225 Afro-American Literature

3 credits; 3 hours

This course is a survey of African-American literature from its beginning to the present day, including the slavery era, the era of accommodation and protest, the Harlem Renaissance, the integrationist movement, the era of black aestheticism and the post-1960s decades. Writers to be studied might include Wheatley, Douglass, DuBois, Hughes, McKay, Brown, Wright, Brooks, Walker, Ellison, Baldwin, Hansberry, Baraka, Morrison, Naylor and Wilson, among others.

Prerequisite: ENC/ENG101

ENG235 Cultural Identity in American Literature

3 credits; 3 hours

This course will explore the diverse voices of writers in the United States through a consideration of cultural context. Literature to be discussed may include the contributions of African-American, Asian-American, Euro-American, Latino/a-American and/or Native American writers. Such themes as cultural dislocation, alienation, and re-envisioning identity will be highlighted.

Prerequisite: ENC/ENG101

ENG245 Images of Women in Literature

3 credits; 3 hours

This course is designed to familiarize the student with the ways in which the role of women has been portrayed in literature. By identifying various stereotypes and certain recurrent themes, students will be made aware of how literature reflects and sometimes determines societal expectations. Works by both male and female authors will be examined including such authors as Henrik Ibsen, D.H. Lawrence, Ernest Hemingway, Tennessee Williams, Edward Albee, Sylvia Plath, Mary Gordon, Toni Morrison, Alice Walker, and Audre Lorde.

Prerequisite: ENC/ENG101

ENG247 The Woman Writer: Her Vision and Her Art

3 credits; 3 hours

This course will explore the unique experience of the woman

writer. Studying works written by women from a variety of cultures, races, and classes will reveal how being a woman has influenced the woman writer's creative interpretation of the human condition. Maya Angelou, Charlotte Bronte, Maxine Hong Kingston, Emily Dickinson, Tillie Olsen and Leslie Marmon Silko will be read.

Prerequisite: ENC/ENG101

ENG248 Latino/Latina Writing of the United States

3 credits; 3 hours

This course examines the contributions to American literature made by Chicana, Puerto Rican, Cuban and Dominican women writers in the United States over the last thirty years. It surveys the variety of Latina writing and explores the ways in which Latina writers represent community, class, race, gender, culture, nation and ethnicity in their works. Poetry, fiction, essays, autobiographical prose, and dramatic works by authors such as Julia Alvarez, Gloria Anzaldua, Sandra Cisneros, Judith Ortiz Cofer, Cristina Garcia, Cherrie Moraga and Nicholasa Mohr will be studied.

Prerequisite: ENC/ENG101

ENG250 The Short Story

3 credits; 3 hours

This course will examine the development and conventions of the short story providing analysis of representative short stories in the context of their biographical, social, intellectual and artistic backgrounds. Stories will be chosen to reflect a diversity of cultural, racial and ethnic experiences. Such authors as Eudora Welty, Anton Chekhov, Richard Wright, F. Scott Fitzgerald, Willa Cather, Gloria Anzaldua, Charlotte Perkins Gilman, Yukio Mishima, Nadine Gordimer, Gloria Naylor and Bharati Mukherjee will be studied.

Prerequisite: ENC/ENG101

ENG252 Sexuality in Literature

3 credits; 3 hours

This course will introduce students to literature in which sexuality provides the dominant themes, motifs, or images. Issues such as sex as a metaphor for violence, pornography vs. eroticism and the Idealized Lover may be discussed. Authors examined might include Chaucer, Bernard Malamud, Virginia Woolf, Walt Whitman, Donald Goines, Alta and Victor Hernandez Cruz. Works such as *For Colored Girls...*, *Lolita*, *Lady Chatterley's Lover*, *The Color Purple* and *The Picture of Dorian Gray* may be included.

Prerequisite: ENC/ENG101

ENG256 Humor in Literature

3 credits; 3 hours

This course introduces students to humor in literature from the Classic period to the present in the genres of drama, poetry and fiction and provides them with interpretive skills required for an appreciation and understanding of the texts. In reading the work of such authors as Aristophanes, Shakespeare, Ishmael Reed and Fran Lebowitz, the class will define and examine examples of humorous literature such as satire, romantic comedy, parody, and farce.

Prerequisite: ENC/ENG101

ENG260 The Novel*3 credits; 3 hours*

This course introduces students to ways of reading, discussing and writing about novels through a close reading and analysis of their elements, and a consideration of their social, cultural and artistic contexts. Novels from a diverse range of sexual, racial, class and ethnic perspectives, from the 18th century to the present, will be selected, including such writers as Jane Austen, James Baldwin, Charles Dickens, F. Scott Fitzgerald, Zora Neale Hurston, Yasunari Kawabata, Gabriel Garcia Marquez, Toni Morrison, Mark Twain and Richard Wright.

*Prerequisite: ENC/ENG101***ENG261 Literature of Difference: Lesbian/Gay Writers***3 credits; 3 hours*

This course will explore the literature and experiences of lesbian and gay writers. Examining these works will reveal how sexual orientation influences the authors' creative interpretations of themselves, their culture, and the world at large. Themes of growing up gay, coming out, families, relationships, communities, homophobia, AIDS, aging, loss and renewal are explored. Such writers as Brown, White, Lorde, Leavitt, Gomez, Beam, Baldwin, Kramer, Anzaldúa and Sarton will be studied.

*Prerequisite: ENC/ENG101***ENG265 The Drama***3 credits; 3 hours*

In this course, students are introduced to the drama. The characteristics of the form will be examined. Examples of the genre from major periods of its development will be studied, including plays by a range of culturally diverse authors such as Sophocles, William Shakespeare, Oscar Wilde, Henrik Ibsen, Eugene O'Neill, Lillian Hellman, Lorraine Hansberry, Arthur Miller, Tennessee Williams, Samuel Beckett, John Guare and August Wilson.

*Prerequisite: ENC/ENG101***ENG266 Shakespeare***3 credits; 3 hours*

This survey course examines a selection of Shakespeare's writings. It also looks at Renaissance social, intellectual and cultural contexts in order to help students understand Shakespeare's world. The course concentrates on various sonnets or poems and a representative selection of plays from the history plays, comedies, "problem plays," tragedies and romances. Whenever possible, through visits to the theatre or film viewing, students are introduced to the "living Shakespeare."

*Prerequisite: ENC/ENG101***ENG268 The Immigrant Experience in American Literature***3 credits; 3 hours*

This course will offer an introduction to literature written by and about immigrants in America. Attention will be given to the immigrant's experiences and struggles as seen in novels as well as poems, stories and plays. The works of such major writers as Willa Cather, Arthur Miller, James T. Farrell, Mario Puzo, Philip Roth,

Alex Haley, William Saroyan, Rene Marques, Paule Marshall, Claude McKay and Maxine Hong Kingston will be considered.

*Prerequisite: ENC/ENG101***ENG269 Contemporary Black American Fiction***3 credits; 3 hours*

This is a consideration and analysis of a selected number of major Afro-American fiction writers from 1952 to the present. Emphasis will be placed on both the survival of older fictional concerns (e.g., racism, violence, the search for identity) and the appearance of new trends (e.g., the employment of folklore materials, the revitalized use of Black dialects, the emergence of a group of women writers). Works by such authors as Ralph Ellison, James Baldwin, John Williams, Toni Morrison, Albert Murray, Alice Walker, Ernest Gaines and Ishmael Reed will be read.

*Prerequisite: ENC/ENG101***ENG270 Introduction to Poetry***3 credits; 3 hours*

This course introduces students to the formal conventions of poetry as well as the basic elements that work to create a poem. Poems from different countries and different historical periods will be explored, at times from different critical perspectives. Works by such poets as William Shakespeare, John Donne, Walt Whitman, Emily Dickinson, W.B. Yeats, Langston Hughes, e.e. cummings, Federico Garcia Lorca, Adrienne Rich, Audre Lorde, Leslie Marmon Silko and Gary Soto will be discussed.

*Prerequisite: ENC/ENG101***ENG271 Poetry Writing***3 credits; 3 hours*

This course is designed to introduce students to poetry writing. In writing and revising poems, students will utilize a variety of writing styles. For example, they will practice formal modes such as sonnet, blank verse and sestina, and they will also write free verse. In order to locate stylistic and thematic approaches for their own poems, students will read and discuss poetry in a variety of styles and historical modes. They will have the opportunity to hear poets read works and discuss the writing process. Engaging frequently in peer critiquing of each other's work, students will also develop criteria for evaluating their own poetry and for doing revision. By the end of the semester, they will learn how to submit poetry for publication.

*Prerequisite: ENC/ENG101***ENG/HUC272 Literature and Film***3 credits; 4 hours*

This course studies the similarities and differences between literature and film. By comparing and contrasting literary works (complete and excerpts) with films, the course illuminates the methods, structures and contents of the two media, as well as their relationship. Writers to be considered may include Shakespeare, Keats, Dickens, Dickinson, Wright, and West; films to be viewed may include those made by Griffith, Chaplin, Eisenstein, Riefenstahl, Flaherty and Resnais.

Prerequisite: ENG102, HUC150 or HUC270

ENG274 Creative Nonfiction Workshop*3 credits; 3 hours*

This course introduces students to creative non-fiction writing, writing that uses true events for literary effect. In writing and revising creative non-fiction, students will learn and practice a variety of forms, including personal essay, memoir, literary journalism (or narrative non-fiction) and biography. Students will work to improve their technique and develop individual voices, but will also work in groups to discuss ways to improve their work. They will read works by published authors and will also learn how to submit their own work for publication.

*Prerequisite: ENC/ENG101***ENG275 The Great Writer***3 credits; 3 hours*

This course studies the work of a single major author. Students will examine the author in depth, exploring the writer's career, major works, literary influence and cultural context in order to understand his or her contribution to literary history. The author selected might be Chaucer, Milton, Austen, Dickens, Whitman, Dickinson, Wright, Faulkner, Hughes, Soyinka or Morrison.

*Prerequisite: ENC/ENG101***ENG276 Fiction Writing Workshop***3 credits; 3 hours*

This course focuses on the technical and stylistic elements of crafting fiction with the goal of creating fully revised, original short stories. The course utilizes draft sessions addressing the critical elements of fiction and the revision process. The course readings will emphasize world writers of the short story, and the course may include field trips to hear published writers reading their work. The final portion of the course will address the preparation of short stories for professional submission.

*Prerequisite: ENC/ENG101, ENN198***ENG280 Children's Literature***3 credits; 3 hours*

This course is designed to familiarize students with various types of children's literature, including folklore, modern fantasy, picture books and realistic fiction. Students also learn how to evaluate the literary standards and pluralistic character of the literature and how to choose books to share with children from pre-school through elementary school. Through a study of works from such authors as Hans Christian Andersen, E.B. White, Virginia Hamilton, Pura Belpre, Laura Ingalls Wilder, Julius Lester, C.S. Lewis, Jamake Highwaller, A.A. Milne and Maurice Sendak, among others, the basic themes of children's literature will be explored.

*Prerequisite: ENC/ENG101***ENG289 Introduction to Literary Studies***3 credits; 3 hours*

In this course students read, discuss, and write analytic essays about important texts in literary critical theory. They also learn to apply critical methods to specific literary texts. Some theorists covered might include Aristotle, Longinus, Immanuel Kant, T.S. Eliot, Mikhail Bakhtin, Walter Benjamin, Jacques Lacan, Jacques

Derrida, Michel Foucault, Elaine Showalter, Helene Cixous, Edward Said, Henry Louis Gates and Judith Butler.

*Prerequisite: ENG102***ENG290 British Literature I***3 credits; 3 hours*

This course covers the development of early British Literature from the Anglo-Saxon era to 1660. Authors include, among others, the Beowulf poet, Chaucer, Mary Sidney, Spenser, Shakespeare, Donne and Milton. In addition to exploring evolving literacy genres and styles, students will study key social, political and cultural influences on the works and their historical periods. They will also study and reflect on the emerging women voices of the age.

*Prerequisite: ENG102***ENG291 British Literature II***3 credits; 3 hours*

This course covers major writers, genres and themes in British literature from 1660 to the present. This includes Restoration, Neoclassicism, Romanticism, Victorianism, Modernism and Postmodernism. Attention will be given to social, intellectual, cultural and political contexts in order to help the students understand the works. In addition to reading major authors from John Dryden to Zadie Smith, the course may examine ballads, slave narratives, journalism, diaries, pamphlets and other genres.

*Prerequisite: ENG102***ENG292 American Literature I***3 credits; 3 hours*

This course examines the development of an American literature from colonial/contact period to the emancipation of African Americans at the end of the United States Civil War. It surveys a broad range of writers, texts and themes that have shaped American identities. Fiction, poetry, essays and autobiographical prose by authors such as Douglass, Dickinson, Emerson, Franklin, Rowlands, Wheatley and Winthrop will be studied.

*Prerequisite: ENG102***ENG293 American Literature II***3 credits; 3 hours*

This course examines the development of literature written in the United States from the end of the Civil War to the present. The course covers major literary movements such as Realism, Naturalism, Modernism and Postmodernism, and highlights the diverse political, social and cultural contexts involved in shaping them. Genres such as fiction, poetry, essay, drama, and autobiography by authors such as Hemingway, Toomer, Miller, Morrison and Silko will be studied.

*Prerequisite: ENG102***ENG294 Classical Literature***3 credits; 3 hours*

This course surveys Greek and Roman classical literature from Homer to Marcus Aurelius. While the principal focus is historicized, much attention is given to the diversity of genres, the interplay of mythology and philosophy, the rich variety of characters

and the seminal themes represented in these texts.

Prerequisite: ENG101

Pre- or Corequisite: ENG102 or permission of the English Department

ENG295 World Literatures Written in English

3 credits; 3 hours

This capstone course introduces students to postcolonial literatures of the Anglophone diaspora. Texts may include literary works from Africa, South and Southeast Asia, Australia, Canada, the Caribbean, Ireland and New Zealand. Students will examine world literatures in their historical and cultural contexts. In some semesters, the course may focus on one particular geographical region and/or ethnic group.

Prerequisite: ENG102

ENN191 Art, Politics, and Protest

3 credits; 3 hours

This course examines political and/or protest art as expressed in literature, song, drama, and other arts. Issues in New York that stirred or are stirring artistic responses will be given special emphasis. Activities will include visits to museums such as the Metropolitan Museum of Art or the Museum of Modern Art, to galleries in Greenwich Village or Soho, to Ellis Island, to Broadway and off-Broadway productions and to individual communities.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

This is a Writing Intensive course.

ENN/SSN193 Ideal Societies

3 credits; 3 hours

This course is designed to help students understand utopian movements in urban society from historical, psychological and sociological perspectives. This course will focus on both the causes for creating utopian experiments and the ways in which utopias approach family structure, religion, education, power and economic organization. Literary versions of utopian communities will be studied. Field trips may be taken to such places as Roosevelt Island and Shaker Village.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, and one Social Science elective from the list on page 112.

This is a Writing Intensive course.

ENN195 Violence in American Art and Culture

3 credits; 3 hours

This course surveys the depiction of various types of violence and the use of violence as a theme or metaphor in North American literature, art, and popular culture. Emphasis is placed on New York City as a laboratory and resource for researching considerations of violence in poetry, drama, fiction, film and other visual art forms as well as popular culture (e.g., lyrics, comic strips, advertising, horror and suspense stories).

Prerequisite: ENA/ENG/ESA099/ENC101

This is a Writing Intensive course.

ENN240 Literature of the City (formerly ENG240)

3 credits; 3 hours

This course is designed to introduce students to the literature of the city. Students will explore important urban themes, social issues, and cultural developments in the short stories, essays, poems, autobiographies, plays, and novels of major city writers such as Charles Dickens, Walt Whitman, Thomas Mann, James Baldwin, Frank O'Hara, Grace Paley, Anna Deveare Smith, Chang-Rae Lee, John A. Williams, Hanif Kureishi and Oscar Hijuelos. Also popular art forms such as journalism, song lyrics and film may be examined. Students will read and discuss issues of contemporary urban literary magazines like *New York Stories*. There will be one or more field trips.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

This is a Writing Intensive course.

Health Sciences Department

In 2009, the Natural and Applied Sciences Department was divided into two departments, Health Sciences and Natural Sciences. The following programs/areas were assigned to Health Sciences:

- > Dietetics
- > Health
- > Human Services
- > Nursing
- > Occupational Therapy
- > Paramedic
- > Physical Therapy
- > Science
- > Veterinary Technology

The following programs/areas were assigned to Natural Sciences:

- > Biology
- > Chemistry
- > Physical Sciences

Department Faculty

Rosann Ippolito, Chairperson, David Bimbi, Janice Bloomfield-Alves, Alvin Bradley, Michelle Brown, Muriel Browne, Janine Cappodana, Marcia T. Caton, Clarence Chan, Bette Cohen, Caesar Colon, Marianne Cu, Patricia Dillon, Maureen Doyle, Mary Beth Early, Debra Engel, Anne Marie Emmanuel, Natalya Fazylova, Ann Feibel, Les Gallo-Silver, Farzana Ghafoor, Philip Gimber, Naomi S. Greenberg, Unn Hidle, Kathleen Karsten, Susan Kopp, Mabel Lewis-Rose, Theresa Licari, Kira Lupeke, Deborah McMillian-Coddington, Ralph Mitchell, Andrea Morgan-Eason, Margaret Norris, Rosely Octaviano, Lisa O'Donnell, Jenny Palios, Sherrell Powell, Suzanne Rosenberg, Jacqueline Ross, Helen Rozelman, Herbert Samuels, Korto Scott, Arlene Spinner, Robin Sturtz, Valerie Taylor-Haslip

Dietetics

SCD007 Co-op Prep-Dietetic Technician

0 credit; 1 hour

This course reviews the policies and procedures for dietetic fieldwork eligibility, introduces students to the skills necessary to successfully complete fieldwork, and aids the student in developing personal and career goals. Students must successfully complete this course in the semester immediately preceding their fieldwork experience.

Prerequisite: SCD200

SCD100 Foods

3 credits; 5 hours (2 lecture, 1 recitation, 2 lab)

This course will investigate the didactic and experiential components of the scientific study of foods. Upon completion of the course, the student will have acquired a basic understanding of the scientific principles governing foods and the use of commercial food service equipment. Emphasis will be placed on the identification of qualitative aspects of foods and elementary food preparation techniques.

Prerequisite: ENC/G101, MAT096

Pre- or Corequisites: SCB203, SCC210, SCD107, SCD200, SCD206

SCD200 Introductory Nutrition

3 credits; 3 hours

This course is an introduction to the scientific principles of human nutrition. The following aspects of dietary nutrients are studied: physical and chemical properties, physiological functions, effects of deficiency or excess, dietary allowances, food sources and availability of nutrients from various foods. Current experimental and population studies data will be discussed. Projects will be required.

Prerequisite: MAT096; *Pre- or Corequisite:* ENC/ENG101

SCD201 Clinical Nutrition A

3 credits; 5 hours (2 lecture, 3 lab)

This course is a study of the relationship between diet and disease. Students learn methods of nutritional assessment, obtaining nutrition histories and calculating and planning prescribed diets. Students will explore the relationship of diet to various disease conditions such as diabetes, weight control, cardiovascular disease, hypertension and allergies.

Prerequisite: SCB204, SCD200, SCD206

SCD202 Clinical Nutrition B

3 credits; 5 hours (2 lecture, 3 lab)

This course is a continuation of the study of the relationship between diet and disease begun in Clinical Nutrition A. Emphasis will be placed on the dietary implications of gastrointestinal diseases, diseases of the liver, pancreas, gallbladder, kidney, surgery and cancer. Students will learn methods of calculating enteral and parenteral diets.

Prerequisite: SCD201

SCD203 Life Cycle Nutrition

3 credits; 3 hours

This course is a study of the nutritional requirements of individuals throughout the life cycle. Emphasis is placed on the physiological, socioeconomic and cultural factors affecting nutritional status. Nutrition intervention by government and private agencies for population groups at nutritional risk will be addressed.

Prerequisite: SCD200

SCD205 Introduction to Culinary Arts

3 credits; 5 hours (2 lecture; 3 lab)

This course introduces the student to advanced culinary techniques with an emphasis on food presentation and garniture. Topics include knife skills, recipe development, menu planning and cost control. Professional cooking techniques are utilized and students are introduced to the organization of the classical kitchen.

Prerequisite: SCD100, SCD251

SCD206 Applied Dietetics

2 credits; 4 hours (1 lecture, 3 lab)

This course will introduce students to the concepts, techniques and skills necessary for the assessment of clients' normal nutritional needs for the promotion of wellness through nutritional planning and client counseling. Topics to be addressed include nutrition counseling, gathering nutritional information from medical records, nutrition histories, developing and implementing a nutrition care plan and documenting interventions.

Prerequisite: SCD100, SCD107

SCD221 Dietetic Field Experience II

2 credits; 1 seminar hour, 16 fieldwork hours

This fieldwork course is an application of the principles learned in Clinical Nutrition A. With supervision, students review medical records, interview patients to obtain nutrition histories and develop and document nutrition care plans. Students calculate and plan diets for weight control, diabetes and cardiovascular diseases. Attendance at a weekly seminar is required. Students must provide proper uniform, liability insurance, and evidence of physical examination.

Prerequisite: SCD260; *Corequisite:* SCD201

SCD222 Dietetic Field Experience III

2 credits; 1 seminar hour, 16 fieldwork hours

This fieldwork course provides for the application of the principles learned in courses throughout the dietetic technician curriculum. The student will refine skills acquired from previous academic and fieldwork experiences. The student will choose placement at a foodservice management, clinical nutrition or community site. Attendance at a weekly seminar, designed to prepare the student for entrance into the job market, is required. Students must provide evidence of liability insurance and physical examination prior to beginning this course.

Prerequisite: SCD221; *Pre- or Corequisite:* SCD202

SCD250 Production Management

3 credits; 5 hours (2 lecture, 3 lab)

This course covers the basic principles involved in the planning,

preparation and service of large quantities of food in foodservice facilities. Topics include food selection variables, menu planning techniques, forecasting procedures, “front and back of the house” management, recipe standardization, conversion and costing. Term projects are required.

Prerequisite: SCD100, SCD251

Corequisite: SCD201, SCD206 for DT students only

SCD251 Principles of Sanitation

2 credits; 2 hours

This course addresses the sanitation and safety principles that guide the flow of food through a foodservice operation. Topics covered include the proper handling of food from procurement to service, facilities layout and design, cleaning and sanitizing procedures and integrated pest management. Students are required to pass the National Certification ServSafe exam to pass the course.

Prerequisite: ESL098, MAT096; SCD100, SCD107, SCD206 for DT students only

Pre-or Corequisite: ENC/G101

SCD252 Quantity Food Purchasing

3 credits; 3 hours

This course covers the technical aspects and procedures involved in forecasting and institutional procurements for foodservice systems. Topics include market analysis, buying ethics, legal aspects and effective control of food costs. The development and implementation of accurate and precise food commodity specifications, purchasing strategies, portion control methods, inventory controls and receiving procedures are introduced. Food cost accounting topics and relevant calculations are presented. Term projects are required.

Prerequisite: MAT096, SCD250

SCD253 Foodservice Administration

3 credits; 3 hours

This course deals with the organization and administration of foodservice systems in institutions. Topics include the functions of management, personnel procedures, and management, marketing and promotional activities and human relations techniques for employees and clients. Also, administrative leadership topics are presented such as legal, organizational and cost control aspects of management. Term projects and case studies are required.

Prerequisite: MAT096, SCD250

SCD260 Dietetic Field Experience I

1 credit; 8 fieldwork hours per week

This course is an application of theories learned in Quantity Food Production. The practical implementation of the principles involved in the preparation and service of large quantities of food in health care facilities will be studied. The student will actually be involved in the supervised preparation of large quantities of food in the various units of a foodservice system in a health care institution. Proper uniform, liability insurance, physical examination, seminars and reports are required.

Prerequisite: MAT096, SCD100; Corequisite: SCD250

Health

SCH111 Aging and Health

3 credits; 3 hours

This course will discuss the aging process and the effect of biological changes on the mental processes and functioning of the individual. The relationship between aging and chronic disease will be reviewed with special consideration given to prevention of the effects of physical and mental deterioration. Role playing, exercises and group discussions will be used to increase the knowledge of the aging process and consider the relationship between the emotional, social and physical forces of aging.

Prerequisite: CSE099, MAT095, ENC/ENG101, SCT101 for PT Assistant majors only

SCH150 Drugs and Behavior

3 credits; 3 hours

This course is an overview of drug abuse and addiction. It encompasses issues related to alcohol and drug dependency. A variety of methods is used to explore such issues as the psychosocial aspects of drug taking; the dynamics of dependence; pharmacology; medical and non-medical use of drugs; preventive measures and alternatives. Students will have the opportunity to develop a fundamental philosophy and understanding which can be used in more advanced study.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

SCH210 Human Sexuality

3 credits; 3 hours

This is a survey course designed to provide students with knowledge of sexuality as related to their physical, mental, and emotional maturation. Topics to be addressed include: anatomy and physiology of the reproductive system, sexual health concerns, alternative life styles (i.e., bisexuality, homosexuality, and erotic minorities). Emphasis is placed on the positive functional aspects of sexuality rather than the dysfunction.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095

Human Services

HSC101 Orientation to Human Services

3 credits; 3 hours

This course is designed to provide students with a broad view of human services through a combination of field visits to community agencies and classroom presentations. Topics include an overview of human services as a profession; examination of similarities and differences in program functions and service delivery styles; identification of issues and concerns of workers and consumers.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HSC102 Principles of Human Relations

3 credits; 3 hours

Students will be given the opportunity to learn fundamental con-

cepts and skills needed for relating to, and working with, people from different cultural and ethnic backgrounds. The course work will focus on the principles of human relationships through discussions, exercises, and role-playing activities. Topics to be covered within a multicultural framework will include self-understanding, the helping relationship, using communication tools, and the professional self.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HSC130 Activities for Human Services Settings

3 credits; 3 hours

This course will enable the student to understand the reasons for and uses of activity in human services settings. Topics covered will include theoretical frameworks underlying different approaches, an introduction to the range of activities, a consideration of the processes involved in using activities with clients, and the use of activities in relation to clients with different cultural heritages. Students will participate in selected activities and will develop a resource portfolio.

Prerequisite: MAT095, HSC102, SSY101;

Corequisite: A Cooperative Education internship in a related setting.

HSC135 Human Services Roles and Systems

3 credits; 3 hours

The students in this course will explore the concepts related to worker, supervisor and client roles in human services settings. Guidelines for specific roles will be identified. The dynamics of bureaucratic organizations will be discussed in relation to students' experiences as interns. Understanding of elementary systems theory will be reinforced, and alternative types of service delivery systems will be compared with the agencies known by the students.

Prerequisite: HSC101, HSC102, SSS100 or SSB110;

Corequisite: A Cooperative Education internship in a related setting.

HSC160 Conflict Resolution

3 credits; 3 hours

Students in this course will explore the nature of conflicts in a multicultural, pluralistic society, the difficulties that arise in resolving them, and alternative methods for settling them in a peaceful way (negotiations, mediation, arbitration, adjudication). Special emphasis will be placed on mediation as an extension of the negotiation process in the resolution of interpersonal, community and workplace disputes.

Prerequisite: ENC/ENG101, HUC101, SSS100 or SSE103 or SSE104 or SSY101

HSC203 Human Services Internship and Seminar 1

2 credits; 1 seminar hour; 15 on-site internship hours

This combined internship and seminar introduces students to Human Services organizations where they relate to clients in multicultural settings under professional supervision. Students will learn to interrelate theory and practice through the linking of assignments in field and classroom. They will also meet regularly in seminars to explore, demonstrate and evaluate specified knowl-

edge, skills and values related to the field.

Prerequisite: HSC101, HSC102, HSS014, SSS100;

GPA of 2.0 or better;

Corequisite: HSC130 or HSG150 or HSM120

HSE105 Understanding and Working with Children with Disabilities

3 credits; 3 hours

This course is designed to link an understanding of the normal growth and development of children with an understanding of the special developmental problems of children with disabilities. Students will learn to identify the cognitive, affective, physical and social ways in which disabled children vary from other children. They will develop competence in evaluating and selecting culturally diverse activities and materials that are appropriate for use with children with a range of disabilities.

Prerequisite: SSY240

HSG150 Introduction to Gerontological Services

3 credits; 3 hours

This course introduces students to the theories underlying practice in the area of gerontological services in New York City's culturally diverse environment. Substantive areas covered include an overview of the social forces, policy issues and institutions impacting on older adults, major legislation affecting older adults, service delivery programs for a culturally diverse aging population, employment opportunities and career advancement in aging services. Field visits to a variety of service programs required.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HSM120 Survey of Psychological Treatment Approaches

3 credits; 3 hours

In this course, students will be introduced to those treatment approaches most frequently used in mental health treatment settings in the United States. These will include psychoanalytic, Rogerian, behavioral and other common treatment systems. Western concepts will be compared with approaches from other cultures. The development, theoretical framework, guidelines and uses of each approach will be considered. The class will review case studies demonstrating each approach.

Prerequisite: HSC102, SSY101, internship in a human services setting or permission of the instructor

HSM125 AIDS-Related Case Management

3 credits; 3 hours

This course will enable students to learn about case management with clients who are HIV-positive or who have AIDS. Topics include the biopsychosocial aspects of HIV/AIDS, the role of worker in HIV prevention and testing, and providing services and functioning as a case manager or technician. The AIDS service delivery system, management of occupational risk, and self and group support for the worker are also discussed. An AIDS-specific internship is a corequisite.

Prerequisite: MAT096, HSC101, HSC102, HSC135, SSS100, SSB110, SCN194;

Corequisite: AIDS-specific internship approved by program director and Cooperative Education coordinator

HSM140 Principles of Child Welfare Services*3 credits; 3 hours*

Students in this course will survey the history, laws, theoretical concepts, operating models and significant theorists related to child welfare services. A field visit to a child welfare agency will be required.

Prerequisite: ENC/ENG101, HSC101, SSY101

HSM204 Human Services Internship and Seminar 2*2 credits; 1 seminar hour; 15 on-site internship hours*

This combined internship and seminar is a continuation of the learning process begun in HSC203. Students will work with clients in Human Services settings under professional supervision. They will also meet regularly in seminars to explore, demonstrate and evaluate specified knowledge, skills and values related to the field.

Prerequisite: HSC203, GPA of 2.0 or better

Corequisite: HSC130 or HSC135 or HSG150 or HSM120

HSN103 Community Dynamics: Impact on Human Services*3 credits; 3 hours*

Students will examine New York City's multicultural urban community as an action system in the delivery of human services. Topics to be included are: the community decision-making process, community planning, the development of human services and community change techniques. Field visits will be made to community decision-making groups.

Prerequisite: HSC101, SSS100 or SSB110

This is a Writing Intensive course.

HSN110 Perspectives on Homelessness*3 credits; 3 hours*

Students in this course will study homelessness as a social problem. Topics will include factors contributing to the rise and persistence of homelessness, the meaning of homelessness to homeless people and to the general public and the emerging role of the human services system. Responses of people from different cultures to the scarcity of affordable housing will be explored. The course will explore the national scope of homelessness, but will focus primarily on the problem in New York City. Field trips will be made to program sites.

Prerequisite: MAT095, SSS100 or SSB110 or SSE103 or SSE104 or SSY101; Pre- or Corequisite: ENC/ENG101

This is a Writing Intensive course.

HSS014 Co-op Prep-Human Services*0 credits; 1 hour*

This course enables students to prepare for the internships that are required of all Human Services students, regardless of status. The course introduces students to the requirements and processes of the internship program. Students are assisted in recognizing their skills, writing learning objectives for their internships, preparing a resume, preparing for employment interviews and learning about Human Services careers.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

Nursing**SCL101 Fundamentals of Practical Nursing***5 credits; 9 hours (3 lecture, 6 lab)*

This course will assist students in gaining knowledge of essential nursing and procedures. The students develop skills in collecting data, diagnosis recognition, assisting the planning and implementation of the care plan, performing procedures, handling equipment, and documenting client outcomes. Clinical experiences stress the development of fundamental nursing skills. Uniform, liability insurance, physical examinations and CPR (BCLS) are required.

Prerequisite: ENC/ENG101, MAT106, SCB204, SSY101

Pre- or Corequisite: SSY240

SCL102 The Science & Art of Nursing I: Introduction to Practical Nursing*3 credits; 5 hours (2 lecture, 3 lab)*

This course is designed to familiarize the student with an overview of the history of nursing, communication principles, medical terminology and cultural concepts as they relate to understanding clients across the lifespan. The scope of practice of the Practical Nurse in a variety of health care settings will be defined and explored. Students will be exposed to computer assisted instruction (CAI) and Internet research methods as integral adjuncts to the teaching/learning process.

Prerequisite: ENC/ENG101, MAT106, SCB204, SSY101

SCL103 Concepts in Pharmacology and Nutrition*3 credits; 5 hours (2 lecture, 3 lab)*

This course will introduce principles of pharmacology and nutrition. The focus will be on the study of pharmacological classifications, actions, therapeutic uses, and side effects of medications. Methods of nutrition delivery and drug and diet interactions will be addressed. Emphasis will be placed on the nursing process as it relates to the nurse's responsibilities in the provision of nutritional therapeutics and the administration of medications to clients across the lifespan.

Prerequisite: ENC/ENG101, MAT106, SCB204, SSY101

SCL105 Mental Health Nursing-PN*3 credits; 14 hours (4 lecture, 10 lab)*

This course introduces the student to the mental health needs of individuals and families across the life span within a cultural context. The focus is on communication skills, mental health disorders and various treatment modalities. The changing professional, legal, and ethical issues of practical nursing in the mental health setting are also explored. The students will be given the opportunity to develop increased personal insights about their own view of self and the world.

Prerequisite: SCL101, SCL102, SCL103, SCL114

SCL114 Parent-Child Nursing-PN*6 credits; 23 hours*

This course emphasizes the scope of practice of the practical nurse providing care to pregnant clients and families during antipartum, intrapartum and postpartum period. Utilizing a lifecycle approach,

students assess and care for neonates and pediatric hospitalized clients and families in a holistic manner. Physical, psychosocial, growth and development and cultural aspects are central components of care. Clinical experiences will be provided to enable the student to transfer theory into practice.

Prerequisite: SCL101, SCL102, SCL103, SSY240

SCL117 Medical-Surgical Nursing II: Specialties-PN

5 credits; 22 hours (offered only in the 6-week session)

This course expands students' knowledge and skills in the provision of care to clients with selected medical-surgical conditions. Clinical experiences will take place in rehabilitation units and medical-surgical specialty units. Observational experiences in the operating room and renal dialysis units will be arranged. Uniform, liability insurance, physical examinations and CPR (BCLS) certification are required. Students must pass the Medical-Surgical Nursing II clinical component to pass this course.

Prerequisite: SCL115, SCL116

SCL118 Science and Art of Nursing II-Transition Student to PN

2 credits; 2 hours (offered only in the 6-week session)

This course is designed to help students clarify responsibilities and roles as new graduates. Students will be guided and supervised to identify performance standards and behaviors necessary to function safely and effectively as graduate practical nurses. Students will be assisted in developing critical thinking strategies required for success on the NCLEX-PN examination.

Prerequisite: SCL114;

Corequisite: SCL119

SCL119 Medical-Surgical Nursing-PN

7 credits; 22 hours

This course discusses common health problems and health alterations. The focus is on adult clients across the lifespan with an emphasis on the older adult with acute and chronic illnesses in a variety of health care settings. Nursing care within culturally sensitive environments will be emphasized. Students move through the course developing more advanced nursing care skills relating to medical-surgical conditions. Clinical experiences will take place in rehabilitation units and medical-surgical units.

Prerequisite: SCL114;

Corequisite: SCL118

SCR100 LPN to RN Bridge Course

3 credits; 5 hours

This course provides a "bridge" for LPNs pursuing their RN licensure. Course content will include medical surgical and psychiatric nursing concepts. The nursing process and informed decision making are emphasized. Students will develop appropriate plans of care and emphasis will be placed on formulating expected outcomes.

Prerequisite: SCB204, SCC210, SSY240

SCR110 Fundamentals of Nursing

6 credits; 12 hours (3 lecture, 3 lab, 6 clinical)

This course is an introduction to the interrelated roles of the

associate degree nurse, with emphasis on the role of provider of care. Students focus on the assessment and analysis phases of the nursing process to formulate nursing diagnoses. Campus laboratory experiences stress the development of fundamental nursing skills. Clinical experience in health facilities involves care of clients with health problems. Proper uniform, liability insurance, physical examinations and CPR (BCLS) certification are required.

Prerequisite: ENC/ENG101, SCB203, SCC210, SSY101; and successful attempt at candidacy application (NUR000.4399)

Pre- or Corequisite: MAT106

Corequisite: SCR150

SCR150 Perspectives of Nursing

1 credit; 1 hour

This course focuses on historical influences on nursing. The evolution of the nursing profession within the health care delivery system will be explored. Emphasis will be placed on past nursing leaders and various types of nursing education.

Prerequisite: ENC/ENG101, SCB203, SCB204, SCC210, SSY101

Pre- or Corequisite: MAT106

Corequisite: SCR110

SCR200 Psychiatric Mental Health Nursing

3 credits; 7 hours (1 lecture, 3 lab, 3 clinical)

This course focuses on the psychosocial needs of clients throughout the life cycle. The assessment of clients' physical and behavioral responses to stress will be explored as well as the determination of goals for intervention. Focusing on the use of self as a therapeutic agent, students will learn techniques of intervention to promote and maintain clients' mental health, as well as assist clients who are mentally ill. Experiences will be provided in psychiatric/mental health settings.

Prerequisite: MAT106, SCB204, SCR110, SCR150, SSY240

SCR210 Medical Surgical Nursing I

5 credits; 9 hours (3 lecture, 3 lab, 3 clinical)

This course will focus on nursing care of adults with major health problems. Utilizing the nursing process, students will develop appropriate plans of care for clients. Emphasis will be placed on formulating goals for interventions. Heavy emphasis is placed on pharmacology.

Prerequisite: MAT106, SCB204, SCR110, SCR150, SSY240

Pre- or Corequisite: SCB260

SCR260 Trends in Nursing

1 credit; 1 hour (1 lecture; 1 small ePortfolio lab)

The course provides students with the opportunity to critically examine contemporary issues and trends and their impact on the nursing profession. Legal, ethical, cultural, social and leadership concepts will be examined. The role of the associate degree nurse and the transition from student status to member of the profession will be explored. This course, as the capstone course of the Registered Nursing Program, contains an ePortfolio technological component.

Prerequisite: ENG102, SCR150

SCR270 Parent-Child Health Nursing*8 credits; 14 hours (5 lecture, 3 lab, 6 clinical)*

This course focuses on the promotion of health and caring for childbearing families, their newborns, and children with major health problems from infancy to adolescence. Emphasis is placed on the implementation of nursing care plans. Experiential learning offers opportunities to provide care during the antepartal, intrapartal, and postpartal periods of the maternity cycle, as well as in the newborn and pediatric settings.

*Prerequisite: SCR200, SCR210, SCB260**Pre- or Corequisite: ENG102***SCR290 Medical Surgical Nursing II***9 credits, 19 hours (4 lecture, 3 lab, 12 clinical)*

This course focuses on the care of adult clients whose ability to meet one or more health needs is severely compromised. Emphasis will be placed on the evaluation phase of the nursing process. Selected experiences will be provided in specialized acute care settings.

*Prerequisite: SCR270;**Corequisite: SCR260***Occupational Therapy****SCO101 Introduction to Occupational Therapy***3 credits; 7 hours (1 lecture, 6 lab)*

This course provides an overview of occupational therapy, its scope of practice and basic principles, and introduces some of the roles of the occupational therapy assistant. Course activities include analysis and instruction of games and small crafts, development of communication skills, practice of body mechanics and ergonomics and field visits. The effects of environmental and cultural differences in shaping activity behaviors and preferences are emphasized.

*Prerequisite: ENC/ENG101, SCB203, SCN195, SSY101, OTA000**Corequisite: SCO110***SCO110 Legal and Ethical Issues in Occupational Therapy***2 credits; 2 hours*

This course addresses current legal and ethical considerations for the occupational therapy assistant. Topics range from history and philosophical base of occupational therapy to licensure and certification. Reimbursement issues, the occupational therapy code of ethics, ethical dispute resolution in professional settings, interdisciplinary roles with other professionals and advocacy for the profession and the consumer will be covered.

*Prerequisite: OTA000;**Corequisite: SCO101***SCO114 Documentation for Occupational Therapy***2 credits; 2 hours*

This course provides students with background and skills to document occupational therapy services in a professional and accurate manner. The course will review ethical, legal, reimbursement and

language issues, and will focus on skill development for note writing. Topics include: evaluation reports, goal writing, intervention plans, SOAP (subjective, objective, assessment plan) and DAP (data, assessment, plan) notes, discontinuation plans, educational plans and administrative reports.

*Prerequisite: SCO110;**Pre- or Corequisite: ENG102, SCO214, SCO204, SCO284***SCO175 Clinical Reasoning in Occupational Therapy***2 credits; 2 hours*

Clinical reasoning is the process by which a therapist or therapy assistant analyzes the functional status of a patient/client/consumer, identifies problems and goals, and determines plans of action, as appropriate to each practitioner's level of responsibility. Aspects of clinical reasoning and evidence-based practice are explored through readings and experiential assignments. Types of reasoning explored include: narrative, scientific, procedural, interactive, conditional and pragmatic.

*Prerequisite: SCO101, SCO110, SCO204, SCO114, ENG102**Pre- or Corequisite: SCO205, SCO215, SCO285***SCO200 Physical Aspects of Human Growth and Development***2 credits; 2 hours*

This course presents an overview of human biological development as it affects functional performance from birth to pubescence. Specific topics include development of the sensory and motor systems, sensory integration, reflex integration, differentiation of joint motion, and the role of the endocrine system. The importance of the human and non-human environment in facilitating and supporting optimal development is emphasized.

*Prerequisite: SCB204, SCO101, SSY101, SCN195**Pre- or Corequisite: SCO230***SCO204 OT Process: Psychosocial and Geriatric Conditions***4 credits; 4 hours*

This course presents occupational therapy theory and process skills for interventions with clients and consumers with psychosocial dysfunction and/or disorders associated with aging. Topics include: data collection, treatment planning and implementation, reassessment and termination, family involvement, the use of groups, and social policy issues. A client-centered approach is emphasized, with special attention to personal history and preferences, culture, and environment.

*Prerequisite: SCO101, SCB204, SCO110, SSY230**Pre-or Corequisite: SCO214;**Corequisite: SCO284, SCO114***SCO205 OT Process: Physical and Developmental Disabilities***4 credits; 4 hours*

This presents occupational therapy theory base and process skills for evaluation and treatment of patients with physical and/or developmental disabilities. Topics include: data collection, problem solving, treatment planning and implementation, reassess-

ment, family involvement, legal, ethical and regulatory issues. Identification of intervention for functional performance deficits is the primary emphasis.

Prerequisite: SCO101, SCO110, ENC/ENG101

Pre- or Corequisite: SCO175, SCO215, SCO285

SCO214 OT Skills and Functional Activities I

3 credits; 6 hours (2 lecture, 4 lab)

This course provides a foundation for performing, analyzing and instructing functional activities used for persons with psychosocial dysfunction and/or disorders associated with aging. The student is exposed to the assessment, planning and intervention processes and the selection of activities. Program planning, group leadership and behaviors, cognitive skills interventions, program administration and management are included. Students learn woodworking hand tools and small power tools.

Prerequisite: SCB204, SSY230, SCO101, SCO110

Pre- or Corequisite: ENG102

SCO215 OT Skills and Functional Activities II

3 credits; 6 hours (2 lecture, 4 lab)

This course provides the student with experience in performing, analyzing, adapting and instructing activities used in the treatment of patients with physical and/or developmental disabilities. Activities are organized around the childhood roles of player and learner, and the adult roles of student, worker, homemaker, parent, recreator and self-maintainer. Topics including: splinting, toys and play activities, adaptation of equipment and environment, positioning transfers and treatment modalities.

Prerequisite: SCO101, SCO110, ENG102

Pre- or Corequisite: SCO175, SCO205, SCO285

SCO230 Functional Pathology

3 credits; 3 hours

This course is a systems approach to the study of pathophysiology. Emphasis will be on the normal and abnormal response to disease and injury, and effects on bodily systems. Consideration will be given to selected disorders, including a survey of pathology, symptomatology, management and prognosis. Knowledge of proper terminology will also be emphasized.

Prerequisite: SCB204

SCO284 OT Clerkship for Psychosocial/Geriatric Conditions

1 1/2 credits; 5 hours (1 lecture, 4 fieldwork)

This is an introductory fieldwork experience in a supervised setting. The setting may be one which serves persons with psycho-social conditions or one which provides activity/recreation/leisure programming for the aged. The student spends a minimum of one half day per week or the equivalent at the fieldwork site. Attendance at a weekly seminar is required and provides opportunities for students to integrate classroom theory with fieldwork experiences.

Prerequisite: SCB204, SSY230;

Pre- or Corequisite: SSY260

Corequisite: SCO204

SCO285 OT Clerkship for Physical/Development Disabilities

1 1/2 credits; 5 hours (1 lecture, 4 fieldwork)

Introductory fieldwork in a supervised setting. The setting may serve persons with physical disabilities or developmental disabilities. The student spends a minimum one half day per week or the equivalent at the fieldwork site. A weekly seminar provides opportunities to integrate classroom theory with fieldwork experiences.

Prerequisite: SCB204, SCO101, SCO200, SCO230

Corequisite: SCO215, SCO205

SCO294 OT Fieldwork in Psychosocial/Geriatric Conditions

2 credits; 38 hours (1 lecture, 37 fieldwork)

This is a full-time placement in a supervised clinical or community setting serving persons with psychosocial or behavioral or cognitive impairments. Attendance at a weekly seminar is required. A minimum of eight weeks or the equivalent of full-time hours must be completed to satisfy requirements of the American Occupational Therapy Association. Students are responsible for their travel costs for fieldwork.

Prerequisite: SCO204, SCO214, SCO284; *permission of Occupational Therapy Assistant Program Director is required to register.*

SCO295 OT Fieldwork: Physical/Development Disabilities

2 credits; 38 hours (1 lecture, 37 fieldwork)

This is a full-time placement in a supervised clinical or community setting serving persons with physical or developmental disabilities. Attendance at a weekly seminar is required. A minimum of eight weeks or the equivalent of full-time hours must be completed to satisfy requirements of the American Occupational Therapy Association. Students are responsible for their travel costs for fieldwork.

Prerequisite: SCO205, SCO215, SCO285; *permission of Occupational Therapy Assistant Program Director is required to register.*

Paramedic

SCE100 Emergency Medical Technician-Basic

6 credits; 10 hours (4 lecture, 6 lab)

This course provides an introduction into basic pre-hospital emergency care. Following the current National Standard Curriculum for the EMT-Basic, topics include Airway, Cardiac Arrest and CPR, Patient Assessment, Medical/Behavioral/Obstetrics/ Gynecology, Trauma, Infants/Children and Operations. Students are eligible for NYS certification upon successful completion of course. Students must satisfactorily perform all practical skills to successfully complete the course.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT096

SCE230 Paramedic I

12 credits; 32 hours (8 lecture, 8 lab, 16 clinical)

Review of all basic level skills and an introduction to advanced

skills of the paramedic. Topics include roles and responsibilities, stress management, communications and medical/legal/ethical issues. This course provides an introduction to clinical pre-hospital pharmacology, IV access and advanced airway management techniques. Lab work involves IV access techniques, endotracheal intubation, computing dosages, preparing medications for administration and practice in all administrative techniques. Skills are taught/practiced in the laboratory/hospital/field setting. Students must satisfactorily perform all practical skills to successfully complete the course.

Pre- or Corequisite: SCB204

SCE231 Paramedic II

3 credits; 7 hours (2 lecture, 1 lab, 4 clinical)

This course provides an introduction to patient assessment and the management of the trauma patient in the pre-hospital setting. The ability to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the trauma patient will be emphasized. Skills relative to the practice of advanced pre-hospital care are taught/practiced in the laboratory/hospital/ field. Students must satisfactorily perform all practical skills to successfully complete the course.

Prerequisite: SCE230

SCE232 Paramedic III

12 credits; 32 hours (8 lecture, 8 lab, 16 clinical)

This course will provide the student with the information necessary to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient presenting with a wide range of medical complaints including respiratory, cardiovascular, neurological, environmental and obstetrical emergencies. Students must satisfactorily perform all practical skills to successfully complete the course.

Prerequisite: SCE231

SCE233 Paramedic IV

3 credits; 7 hours (2 lecture, 1 lab, 4 clinical)

At the completion of this course, the student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for neonatal, pediatric and geriatric patients, diverse patients and chronically ill patients. The student will also learn how to safely manage the scene of an emergency. Students must satisfactorily perform all practical skills to successfully complete the course.

Prerequisite: SCE232

Physical Therapy

SCT101 Introduction to Physical Therapy

2 credits; 2 hours

This course introduces the concepts and scope of physical therapy, its professional organization, and its relationship with other

health professions. Subjects include: the role and function of health personnel, professional ethics and conduct, medico-legal aspects of physical therapy services, vital signs, medical terminology, communication skills and record keeping.

Prerequisite: ENC/ENG101, SCB203, SSY101, SCN195

SCT102 Ethical Concepts for Physical Therapist Assistants

2 credits; 2 hours

This course is designed to orient physical therapist assistant students to the ethical concepts inherent in the practice of physical therapy. Students will learn and apply the concepts of medical ethics and law to the practice of physical therapy. Liability insurance, the scope of practice as a physical therapist assistant, fraud and abuse, and patients' rights as they relate to the practice of physical therapy will be explored.

Pre- or Corequisite: SCT101

SCT203 Clinical Kinesiology

4 credits; 6 hours (2 lecture, 4 lab)

This course introduces students to the study of muscles as the basis for movement and exercise. Topics include: biomedical principles of movement, body mechanics, types of joints and movements, measurement of joint range of motion, muscle actions and innervations, assessment of strength through manual muscle testing and orthopedic and neurological conditions resulting in impaired movement in the pediatric, adult and geriatric populations.

Prerequisite: SCT101;

Pre- or Corequisite: SCB204

SCT211 Therapeutic Procedures I

4 credits; 6 hours (2 lecture, 4 lab)

This course will focus on the principles and use of heat, cold, water, light and traditional massage as they relate to physical therapy. Topics include: proper preparation of patients, treatment areas and equipment, application of hot and cold packs, paraffin, whirlpool, infrared, ultraviolet, basic massage, intermittent compression, sterile technique and wound debridement. Physical therapy techniques for the treatment of respiratory disorders are included.

Prerequisite: SCT101;

Pre- or Corequisite: SCB204, SCT202

SCT212 Therapeutic Procedures II

3 credits; 4 hours (2 lecture, 2 lab)

The course is the second of two modality courses. Advanced physical therapy procedures and techniques will be explored as described by the American Physical Therapy Association Preferred Physical Therapist Practice Patterns with the focus on pain management, integumentary care, neuromotor intervention and musculoskeletal management. Topics include: application of electrical stimulation, phototherapy, (ultraviolet radiation and laser) and hydrotherapy theories.

Pre- or Corequisite: SCT221, SCT290

SCT220 Mobility Skills in Physical Therapy

3 credits; 4 hours (2 lecture, 2 lab)

Principles of massage and various techniques for specific clinical applications are introduced. Bed and mat mobility skills, including

body mechanics, wheelchair prescription, training in wheelchair skills and transfer training skills will be introduced. Vital sign measurement will be introduced. Students will be introduced to architectural barriers as they affect the disabled.

Prerequisite: SCT101, SCT102;

Pre- or Corequisite: SCT203, SCT211

SCT221 Functional Gait Training Skills

3 credits; 4 hours (2 lecture, 2 lab)

This course reviews the principles of mobility activities in their application to various physical disabilities. The students will be introduced to the basic concepts of the normal gait cycle and gait deviations. Gait training, including training with the use of assistive devices and instruction on level and elevated surfaces, will be addressed. Basic concepts of orthotic and prosthetic descriptions, residual limb care and wrapping will be introduced.

Prerequisite: SCT203, SCT220;

Pre- or Corequisite: SCT212, SCT290

SCT230 Orthopedic Therapeutic Exercise

4 credits; 6 hours (3 lecture, 3 lab)

This course provides the rationale for clinical application of therapeutic exercise training as it relates to orthopedic pathologies. Students will become familiar with the theory and clinical concepts of exercise training as it relates to strength, power and endurance. Students will perform evidence-based research to identify therapeutic protocols and apply appropriate exercise techniques.

Prerequisite: SCT220, SCT212, SCT221;

Pre- or Corequisite: SCT231

SCT231 Neuromuscular Rehabilitation

4 credits; 6 hours (3 lecture, 3 lab)

This course provides the rationale for clinical application of therapeutic exercise as it relates to neuromuscular rehabilitation. Students will be introduced to and will apply various therapeutic protocols such as Brunnstrom, Bobath and Proprioceptive Neuromuscular Facilitation Techniques. Students will focus on the implementation of treatment plans developed by the physical therapist.

Prerequisite: SCT212, SCT221

Pre- or Corequisite: SCT230

SCT290 Physical Therapist Assistant Clinical Affiliation and Seminar I

2 credits; 1 seminar hour, 15-20 internship hours

This internship provides students with an experience-based learning opportunity to: explore or confirm career interests and plans; apply classroom learning to real work situations; and practice, and strengthen interpersonal or technical skills. A minimum of 15-20 hours per week at the internship site is required during the Co-op cycle. A concurrent seminar provides a framework for analyzing and evaluating students' internship experiences. During Fall I and Spring I, students must take six additional credits to be certified as a full-time student.

Prerequisite: CEP100, MAT096

SCT291 Physical Therapist Assistant Clinical Affiliation & Seminar II

3 credits; 19 hours (1 lecture, 18 affiliation)

This course provides students with an opportunity to apply and integrate the theory and practice of physical therapist assistant skills in clinical settings under the supervision of a physical therapist. The biweekly seminar integrates the students' experiences with their classroom training. Students are required to provide their own uniform, liability insurance and proof of a physical examination.

Prerequisite: SCT212, SCT250, permission of PT Assistant Program Coordinator

SCT292 Physical Therapist Assistant Clinical Affiliation & Seminar III

3 credits; 19 hours (1 lecture, 18 affiliation)

This course provides students with the continued opportunity to apply and integrate the theory and practice of physical therapist assistant skills in clinical settings under the supervision of a physical therapist. The student is expected to assume increased responsibility for treatments and administrative tasks, and to improve his/her ability to manage time effectively. Students are required to attend scheduled seminars and provide their own uniform, liability insurance, and proof of a physical examination.

Prerequisite: SCT291, permission of PT Assistant Program Coordinator

Radiologic Technology

SCX101 Radiologic Technology I

3 credits; 3 hours

This course will provide students with an overview of the Radiology Profession, Patient Care, Medical Terminology and Medical Ethics. The concepts of ethics, medical asepsis, vital signs, and medical emergencies will be presented. The essentials of patient care to be covered including consideration for the physical and psychological needs of the patient and family and the practitioner's role in the health care system.

Prerequisite: ENC/G101, MAT115, SCB203, SSN187

Corequisite: SCB204, SCX105, SCX109, SCX110

SCX102 Radiologic Technology II

3 credits; 3 hours

This course is designed to impart an understanding of the components, principles and operations of digital imaging systems found in diagnostic radiology. Factors that impart image acquisition, display, archiving and retrieval are discussed. Guidelines for selecting exposure factors and evaluating images within a digital system assist students to bridge between film-based and digital imaging systems. Principles of digital system quality assurance and maintenance are presented.

Prerequisite: SCB204, SCX101, SCX105, SCX109, SCX110

Corequisite: SCX106, SCX111, SCX119

SCX105 Radiographic Procedures I*4 credits; 4 hours*

This course is designed to provide the knowledge and skills necessary to perform radiographic procedures. This is the first in a series of courses dealing with principle techniques, radiographic anatomy, radiographic procedures and related terminology in the production of images of the chest, abdomen, upper and lower extremities. The production of images of optimal diagnostic qualities is stressed. Laboratory experiences utilizing phantom apparatus are used to complement the classroom portion of the course.

*Prerequisite: ENC/G101, MAT115, SCB203, SSN187**Corequisite: SCB204, SCX101, SCX109, SCX110***SCX106 Radiographic Positioning and Procedures II***4 credits; 6 hours (3 Classroom, 3 Lab)*

This course is a continuation of Radiographic Procedures I, with reinforcement of the basic concepts presented in that course. Emphasis is placed on the pelvis girdle, vertebral column, thoracic cavity and cranium studies. The production of images of optimal diagnostic qualities is stressed. Laboratory experiences utilizing model apparatus allows students to apply the concepts acquired in the classroom environment.

*Prerequisite: SCB204, SCX101, SCX105, SCX109, SCX110**Corequisite: SCX102, SCX111, SCX119***SCX109 Clinical Practicum I***1 credit; 14 hours*

This course is an introduction to the clinical environment. This is the first primary contact between students and patients. Students are assigned to various work areas in the Radiology Department to observe the operations of the entire department. While working under the close supervision of a licensed radiologic technologist, students will acquire required medical imaging skills, with an emphasis on the chest, abdomen and upper and lower extremity competencies.

*Prerequisite: SCB204, SCX101, SCX, 105, SCX110,***SCX110 Principles of Radiographic Exposure I***3 credits; 3 hours*

This course will provide students with the principles of electromagnetic radiation and its effects upon living tissue. The importance of radiation protection for patients and personnel will be the study of physics and electronic involvement in the production, use, and control of the various electromagnetic energies used in medical and diagnostic applications. This course heightens the student radiographer's awareness of the nature of ionizing radiation and its effect on all biological material.

*Prerequisite: ENC/G101, MAT115, SCB203, SSN187**Corequisite: SCB204, SCX101, SCX105, SCX109***SCX111 Principles of Radiographic Exposure II***3 credits; 3 hours*

The intent of this course is to establish a knowledge base of factors that govern and influence the production and recording of radiologic images. Film and electronic imaging with related

accessories will be emphasized.

*Prerequisite: SCB204, SCX101, SCX105, SCX109, SCX110**Corequisite: SCX102, SCX106, SCX119***SCX119 Clinical Practicum II***2 credits; 15 hours (1 lecture, 14 lab)*

Students continue to improve their medical imaging skills while working at the assigned clinical affiliate under the guidance of a registered licensed radiologic technologist. Introduction to the principles of medical imaging of the lower extremities, pelvic girdle, and vertebral column are presented. This is the second of six clinicals.

*Prerequisite: SCX109***SCX129 Clinical Practicum III***2 credits; 35 lab hours*

This course is a continuation of the clinical practicums to improve skills in all routine and contrast media imaging procedures. Students are encouraged to assume more responsibilities in the diagnostic imaging process. The didactic information previously presented in Radiographic Procedures I and II are coordinated with assigned rotations at the affiliated clinical sites. Critical thinking skills are enhanced. The weekly seminar will be on blackboard. This is a hybrid course.

*Prerequisite: SCX119***SCX201 Radiologic Technology III***3 credits; 3 hours*

This course provides students with an overview of Hospital Administration, including employment issues, labor contracts and litigation processes. Radiation biology and the principles of interaction of radiation with living tissues are discussed. Acute and chronic effects will be discussed. Quality Assurance involves the evaluation of radiographic images along with their delivery systems. State and federal guidelines are included. Equipment Quality Control and its testing are discussed.

*Corequisite: ENG102, SCX229, SCX240, SCX250***SCX205 Radiographic Procedures III***4 credits; 4 hours*

This course focuses on the more advanced positions utilized in the practice of medical imaging. Students are introduced to more advanced studies that involve the use of contrast media, pediatrics, trauma and mobile radiography. The basic concepts of pharmacology are also presented. The theory and practice of basic techniques of venipuncture are introduced. Practicum laboratory experiences complement the didactic portion of the course, allowing the students to demonstrate their ability on the phantom patient.

*Prerequisite: SCX129**Corequisite: SCX201, SCX209, SCX240, SCX250***SCX209 Clinical Practicum IV***1 credits; 1 hours*

This course provides an opportunity for students to improve skills in the areas of general diagnostic procedures, contrast media pro-

cedures, advanced imaging procedures and skull imaging at their assigned medical facility. This also serves as an introduction to specialty areas such as Computed Tomography(CT), Magnetic Resonance Imaging(MRI), special procedures, and angiographic procedures. This is the fourth in a series of six clinicals. The weekly seminar will be on Black Board. This is a hybrid course.

Prerequisite: SCX129

Corequisite: SCX201, SCX205, SCX240, SCX250

SCX219 Clinical Practicum V

2 credits; 15 hours (1 lecture, 14 lab)

A continuation of the student's clinical experience. Students will complete all initial and continuous clinical competency evaluations and objectives. All initial and continual competency evaluations are to be completed prior to beginning the final competency evaluations to be completed during the final clinical rotation.

Prerequisite: SCX205, SCX209, SCX245, SCX260,

Corequisite: Permission of the Radiologic Technology Program Director

SCX229 Clinical Practicum VI

2 credits; 15 hours (1 lecture, 14 lab)

This final clinical experience provides the student with the opportunity to exercise independent judgment and discretion in the technical performance of medical imaging procedures. Students must complete terminal competency evaluations in ten required categories. Competencies are to be completed on patients when possible. Simulated competencies will be done as a last resort.

Prerequisite: SCX219

Corequisite: ENG102, SCX210, SCX240, SCX250, permission of the Radiologic Technology Program Director

SCX240 Cross Sectional Anatomy

1 credits; 1 hours

This course will provide students with the knowledge to identify the anatomical structures of the human body in various axial planes. Instructional aids will include radiographs, CT images, MRI images and anatomical models. In each section of the course, correlations will be drawn among radiographs, CT images, and MRI images.

Corequisite: ENG102, SCX201, SCX205, SCX229, SCX250

SCX245 Pathology and Fracture Radiography

2 credits; 2 hours

This course is designed to discuss the biological, physical, chemical, and anatomical changes that occur in different disease processes. Also addresses the etiology and pathogenesis of disease states and the physiological changes that accompany altered body states.

Prerequisite: SCB204

Corequisite: SCX205, SCX209, SCX260

SCX250 Imaging Modalities I

3 credits; 3 hours

This course is designed to establish a knowledge base in radiologic, fluoroscopic and tomographic equipment

requirements and design. The content will also provide a basic knowledge of quality control. Exposure to a variety of more advanced and complex diagnostic procedures and modalities are incorporated. Various recording media and techniques are discussed.

Prerequisite: SCX219;

Corequisite: ENG102, SCX201, SCX229, SCX240

SCX251 Imaging Modalities II

3 credits; 3 hours

This course provides students with a basic understanding of the more advanced and complex diagnostic procedures. Students will be introduced to procedures including vascular angiography, myelography, arthrography, venography and mammography.

Prerequisite: SCX201, SCX205, SCX209, SCX240, SCX250

Corequisite: ENG102, SCX219, SCX245, SCX260

SCX260 Film Evaluation and Critique

2 credits; 2 hours

This course enables students to evaluate and critique diagnostic radiographic images and to improve the radiographic quality by understanding radiographic imperfections. Through these evaluations, students will be able to limit their retakes, improve the patient quality of care, and improve the radiographic quality of their films. Student projects, associated film presentations and critiques are also included.

Prerequisite: SCX219

Corequisite: SCX205, SCX209, SCX245

Science

SCS150 Mentoring: The Helping Relationship

3 credits; 3 hours

This course offers a study of, and experience in, the helping relationship. Theoretical approaches to the helping process will be covered as well as specific skills. Topics and guest presentations include peer tutoring, problem solving, adolescence, peer counseling and use of a mentor in career development. Students will be involved in seminar discussions, training, and field visits. Each participant serves as mentor in a supervised experience with a high school student.

Prerequisite: MAT095, ENC/ENG101 and one of the following: ENG104 or HSC102, or HUC101 or SSY101, minimum cumulative GPA of 2.0

SCN194 AIDS in New York City

3 credits; 3 hours

This course is a comprehensive examination of what is currently known about Acquired Immune Deficiency Syndrome (AIDS) and its impact on the New York health care system. Topics to be addressed will include the history of AIDS; definition and transmission; symptoms, diagnosis and treatment; prevention and risk reduction techniques. Students will learn about the political, economic, epidemiological, psychosocial and sociocultural aspects of

HIV infection. Visits to AIDS health care facilities are included.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

This is a Writing Intensive course.

SCN195 Community Health

2 credits; 2 hours

This course is a basic orientation to the organization of health care systems in New York City and the position of the health care worker within these systems. Topics will include health careers, the nature of health and disease, prevention of disease, public health measures, types of facilities, payment sources, medical care available and future trends. Visits to local health facilities (e.g., hospitals, nursing homes) are included.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095,

major in Allied Health or permission of instructor

This is a Writing Intensive course.

Veterinary Technology

SCV101 Introduction to Veterinary Technology

3 credits; 3 hours

This is a comprehensive introduction to the fundamental principles of animal science. Subjects covered include genetics and breeding, growth and senescence, environmental physiology, nutrition and feeding and animal behavior. In addition students will begin the study of basic animal care and management, dosage calculations and animal diseases. There will be field trips to selected animal facilities in the metropolitan area.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT096

SCV150 Principles of Animal Control

2 credits; 2 hours

This course is designed to prepare students to work in animal care and control programs in municipalities and other government agencies. It will cover the philosophy and history of such programs, as well as the federal, state and local regulations that govern their use. Students will study the design and operation of animal shelters including the procedures by which animals are apprehended, cared for and disposed of. The characteristics of common and exotic animal species will be discussed, as well as the important diseases of each group.

Prerequisite: ENG101, MAT106, SCV101

SCV201 Research Animal Technology

4 credits; 6 hours (3 lecture, 3 lab)

This course prepares students to work with rodents, rabbits, and other animals used in research. Laboratory sessions provide hands-on training in restraint, drug administration, sample collection, anesthesia and research techniques. Classroom periods will cover husbandry, diseases, and sanitation, as well as the principles and ethics of animal research. Students will participate in the operation of the College's animal facility.

Prerequisite: ENG101, MAT106, SCC210, SCV101

SCV210 Veterinary Nursing I

4 credits; 6 hours (3 lecture, 3 lab)

This course introduces students to the technical procedures of veterinary practice. The major disciplines to be covered in lecture sessions are anesthesiology, parasitology, and small animal diseases. In the laboratory students will anesthetize dogs and cats and perform basic diagnostic and therapeutic techniques. They will also prepare patients for aseptic surgery, employ techniques of surgical assisting and learn the principles of cardiopulmonary resuscitation.

Prerequisite: SCB209, SCV201

SCV211 Veterinary Nursing II

4 credits; 6 hours (3 lecture, 3 lab)

This course deals with advanced technical procedures in veterinary practice and laboratory animal science. Lecture sessions will cover animal diseases, emergency care, pharmacology and gnotobiology. In the laboratory, students will receive training in the care of sick and injured animals, including dentistry, catheterization, fluid and drug administration and the use of monitoring devices. In addition, students will maintain a germfree isolator and perform minor surgical procedures on rodents.

Prerequisite: SCV210; *Pre- or Corequisite:* SCB260

SCV212 Veterinary Radiography

3 credits; 5 hours (2 lecture, 3 lab)

Explore the theory and principles of radiography. The laboratory will provide students with training in the operation and maintenance of the x-ray machine, automatic and manual film processing, animal restraining and positioning, health and safety precautions and radiograph evaluation and storage as they relate to veterinary medicine.

Prerequisite: ENG101, MAT106, SCB209, SCV201

SCV213 Veterinary Laboratory Techniques

3 credits; 5 hours (2 lecture, 3 lab)

This course deals with the examination of blood, urine, and other body substances for diagnostic and prognostic purposes in veterinary practice. Students will learn to perform complete blood counts, blood chemistries, serological tests and urinalysis. Lecture periods will cover the theories on which the tests are based and the relevance of laboratory results in the evaluation of the health of animals.

Prerequisite: ENG101, MAT106, SCB209, SCV201

SCV214 Farm Animal Nursing

3 credits; 5 hours (2 lecture, 3 lab)

In this course, students will study the application of animal health technology to farm animals. Class sessions will cover diseases, government health regulations and programs, emergency care, orphan animal care and relevant farm management procedures. Using various species of animals and types of equipment, students will learn techniques for restraint, administration of medication, sample collection, bandaging, surgical preparation and assistance and positioning for radiology.

Prerequisite: SCV201; *This course will be taught off-campus.*

Students must pay their own travel and room & board expenses.

SCV220 Principles of Exotic Animal Medical Care*2 credits; 2 hours*

This course introduces the student to the comparative anatomy, physiology, and medical care of exotic animals. Anesthesia, blood collection, radiography laboratory testing and treatment methods of birds, reptiles, amphibians, fish, marine mammals, hoofstock, primates, small mammals and carnivores will be discussed as they apply to the work of veterinary technicians in private practice, zoos, aquariums, wildlife rehabilitation and research.

Prerequisite: ENG101, MAT106, SCC210, SCV201

SCV231 Part-Time Research Internship*2 credits; 2 hours*

This internship provides students with an experience based learning opportunity to explore or confirm career interests and plans. The students will apply classroom learning to real work situations and strengthen interpersonal and technical skills. The internship is accompanied by a concurrent seminar which provides a framework for analyzing and evaluating students' internship experience.

Prerequisite: ENG102, MAT106, SCV201, SCV209

SCV234 Full-Time Clinical Internship*3 credits; 2 hours*

This internship provides students with an experience based learning opportunity to explore or confirm career interests and plans; apply classroom learning to real work situations; and strengthen interpersonal and technical skills. The internship is accompanied by a concurrent seminar which provides a framework for analyzing and evaluating student's internship experience.

Prerequisite: ENG101, MAT106, SCV211, SCV212, SCV213

SCV245 Theory and Practice of Transgenic Techniques*3 credits; 5 hours (1 lecture, 4 lab)*

Transgenic techniques involve the manipulation of genes and gene fragments and their incorporation into new host animals. Lectures will provide an understanding of the theoretical principles involved. Laboratory sessions will involve transgenic techniques in mice and will include DNA separation, collection of ova, microinjection, ova transfer, embryonic stem cell manipulation, colony management and related procedures. The laboratory sessions will be held at Rockefeller University.

Prerequisite: SCV201, SCB209;

Pre- or Corequisite: CEP151

SCV247 Veterinary Pathophysiology*2 credits; 2 hours*

This course is designed to integrate information from veterinary anatomy, physiology, histology and pathology. The purpose is to relate the normal physiology of the animal to the consequences of abnormal physiology, and discuss what effect this would have on tissues and organs in the body. The main focus will be on companion animals, but other domestic and exotic animals will be discussed.

Prerequisite: ENG101, MAT106, SCB209, SCV201

SCV262 Veterinary Pharmacology and Toxicology*3 credits; 3 hours*

This course provides an overview of the main concepts of veterinary pharmacology and toxicology as they relate to clinical practice. The course will cover general concepts of pharmacodynamics and pharmacokinetics, as well as clinical pharmacology. The major categories of veterinary drugs will be discussed in general terms, and specific commonly used therapeutic drugs will be highlighted.

Prerequisite: SCV201, SCV213

Pre- or Corequisite: SCV211, SCB260

Humanities Department

Room E202 (718) 482-5690

The Humanities encompass the range of human experience-who we are and what our lives mean. The Humanities Department offers courses in the following discipline areas: performing arts, philosophy and critical thinking, speech communication and visual arts. The department also offers a variety of Urban Study courses. Degree programs in Fine Arts, Commercial Photography and Music Recording Technology are housed in the Humanities Department.

Department Faculty

Michael Rodriguez, Chairperson, Minerva Ahumada, Vera Albrecht, Alberta Arnold, Bruce Brooks, Mark Brooks, Richard Brown, John Chaffee, Salvador Cuellar, Dennis D'Amelio, John Henry Davis, Lisa DeSpain, Sandra Dickinson, Payal Doctor, Dorothy Ellis, Helmut Eppich, Hugo Fernandez, Susan Gizzi, Erika Heppner, Javier Larenas, Robin Levenson, Louis Lucca, Fern Luskin, Rosemary Mayer, Sarah Midkiff, Gustavo Moretto, Eman Mosharafa, Emmanuel Nartey, Sean Palmer, Joyce Rheuban, James Richardson, Gary Richmond, Aaron Rizzieri, Thomas Seymour, Arthur Simms, Patricia Sokolski, Scott Sternbach, Gary Vollo, Phalangchok Wanphet

HUH100 Exploring the Humanities*3 credits; 3 hours*

Students will identify and examine the concepts and connections among the various disciplines within the humanities such as: philosophy, art, music, theatre, language and literature. They will do so through a series of readings, observations and museum/theatre visits and apply basic principles of aesthetics and interpretation.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

Performing Arts

Dance

HUD101 Theatrical Dance I

2 credits; 2 hours (1 practice hour)

This course will introduce students to ballet, modern jazz and selected ethnic dance through dance history and class performance. Students will utilize the basic techniques of each of these dance forms, including barre exercises, center practice and combinations across the floor. The basic theory of the positions and movements of the body will be explored. Leotards and tights or loose fitting athletic wear is recommended. Students will be required to attend and pay admission for one live dance performance. Studio time (one hour) will be recommended for use by students for practice. This will be unsupervised practice time and students will not be required to pay tuition for this hour.

Pre- or Corequisite: CSE099, ENA/ENG/ESA099/ENC101

HUD102 Theatrical Dance II

2 credits; 2 hours

This course is a continuation of Theatrical Dance I (HUD101). Through the advanced study of dance technique in ballet, modern and jazz dance, students will continue to explore the theory and practice of dance as an art form and to explore how ethnic dance has influenced theatrical dance in the United States. Significant dance artists, choreographers and major works of choreography will be examined. Leotards and tights or loose fitting athletic wear are recommended.

Prerequisite: HUD101

HUD105 Creating Dances: The Art of Choreography

2 credits; 2 hours

This course is designed to help students explore dance improvisation as an essential component in making dances. Experimenting with personal movement, students will study the basic techniques and methods of choreography. Students will use self-expression to promote analysis, imaginative reflection and participation in creating dances. Students will also view the works of a variety of modern dance choreographers, ranging from Martha Graham, Paul Taylor and Alvin Ailey to innovators in post-modern dance. Students will be required to attend and pay for a dance rehearsal and a dance performance.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101 or ESL/ESR098

Music

HUM101 Introduction to Music

3 credits; 3 hours

This course is designed to develop an understanding and appreciation of various forms of music. Emphasis will be placed on the elements of musical organization, expression and style. Students

will gain understanding by listening to selections and by discussing significant features of musical compositions from the Middle Ages to the present time.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUM104 Music for Children

3 credits; 3 hours

This course is designed to allow education students to explore the range of music fundamentals and techniques as they relate to rhythm, pitch and vocal expressiveness. Students will be introduced to basic skills of percussion, the recorder, singing and reading music. They will continually grow in this ability to listen to, respond to and create music with understanding, skill and sensitivity; and to present lessons to children that allow them to have those experiences as well.

Prerequisite: CSE099, ESL/ESR099

HUM107 Music of Latin America

3 credits; 3 hours

This course is an overview of the music of Latin America according to several cultural/geographical areas, including Rio de la Plata, the Andean Region, Brazil, the Caribbean and Mexico. Latin American musical developments from the past and present will be studied to show the individual characteristics as well as the common elements within the various styles. Students will be required to attend one live concert at minimal or no cost.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUM110 Introduction to Jazz

3 credits; 3 hours

This course is designed to develop an understanding and appreciation of jazz as a folk art. The music and characteristics of various styles, including Dixieland, blues, ragtime, boogie woogie, hop, cool, funky, eclectic and jazz-fusion rock, will be studied through recordings and classroom performances. Emphasis will be on the stylistic characteristics of jazz piano, jazz/blues vocalists, the rhythm section, alto saxophone, tenor saxophone, trumpet and trombone. The course will involve outside reading and listening, as well as performances and lecture/demonstrations.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUM140 Music Theory I

3 credits; 3 hours

This course is designed for beginning musicians and those who would like to learn to read, write, and understand the basic structure of music. They will study both the sight and sound of different tonal and modal scales. Diatonic intervals, primary chords, and key signatures also will be covered. Students will learn to write simple melodies in staff notation from melodic dictation. In addition, this course will emphasize reading music using treble and bass clefs, singing and playing simple melodic and harmonic lines, as well as writing simple melodies and primary chords using staff notation.

Prerequisite: CSE099, MAT095

Pre- or Corequisite: ENA/ENG/ESA099/ENC101

HUM144 Musicianship I*3 credits; 3 hours*

This course is designed to provide students with the basic skills necessary to effectively read, perform, learn, practice and rehearse music, and to reinforce these concepts for the more advanced student. This course will provide students with a solid musical foundation and with the musical problem solving skills that will enable them to perform music with confidence and ease. This course is suggested for all students who wish to perform any type of music, and is open to students of all abilities and instruments.

*Prerequisite: CSE099, ESL095, MAT095**Pre- or Corequisite: ENA/ENG/ESA099/ENC101***HUM146 Music Audio Recording I***3 credits; 4 hours (3 lecture, 1 lab)*

This course will introduce students to music audio recording using industry-standard software, such as ProTools. Topics covered will include digital recording, mixing and editing on an introductory level. Students need not have any prior experience.

*Prerequisites: CSE099, ENA/ENG/ESA099/ENC101, MAT095***HUM147, Music Audio Recording 2***3 credits; 3 hours*

This course more extensively examines theories and technologies, used in audio productions for music and provides the student with a vocabulary covering the area of audio production. Students learn the techniques and technology used in modern multi-track studios and participates in intensive hands-on work in a multi-track recording studio using Pro Tools hardware and software and plug-in signal processors. Emphasis is on stereo and multi-track editing and use of plug-ins, mixing and post productions.

*Prerequisite: HUM146***HUM151 Contemporary Vocal Ensemble***1 credit; 3 hours*

Emphasis is on the preparation for public performance of contemporary choral music for small vocal ensemble with two to four voices on each part. The repertory will include arrangements in a variety of contemporary vocal idioms: gospel, musical theatre, jazz. Performances of original works will also be encouraged. Enrollment will be limited to 20 students. A student may take Contemporary Vocal Ensemble five sessions for credit, or audit without credit.

*Prerequisite: CSE099***HUM155 Voice Class I***3 credits; 3 hours*

Emphasis is on the development of the voice for solo performance. Each student will explore the music most suitable for his or her individual voice or singing style. Class work includes basic music reading, vocal exercises, stage conduct, and vocal styles. There will be both individual and group vocal work in class, including daily solo stage performance. Use of recording and TV taping for development of style and stage professionalism is included.

*Prerequisite: ENA/ENG/ESA099/ENC101, MAT095***HUM156 Voice Class II***3 credits; 3 hours*

Based on foundations and experience in HUM 155, emphasis is on individual vocal and professional development in performance. Class work includes advanced vocal exercises, stage conduct and style, daily solo performance, use of recording techniques, stage and TV taping. Experience involves preparation of resumes and professional programs in various styles of vocal music. Actual working experience will include techniques and adaptations required in TV, recording, opera, clubs, orchestras, and combos. Business aspects of the vocal music profession will be investigated, including: agents, publicity, managers and contracts. Public performance on campus is required. Opportunities for auditions in New York City for professional and semi-professional engagements are provided.

*Prerequisite: MAT095, HUM101 or equivalent, HUM155 or equivalent***HUM170 Guitar I***3 credits; 3 hours*

This course is designed to introduce students to the fundamentals of acoustic guitar technique: strumming/picking technique, correct fingerings, and tuning the guitar. Students will be introduced to the rudiments of music (types of notes, note values, time signatures, chord structure and scales). Students will learn to read and perform simple guitar melodies/chords and they need not have had previous guitar instruction. Guitars will be provided for student use.

*Prerequisite: CSE099, MAT095***HUM171 Guitar II***3 credits; 3 hours*

This course is a continuation of HUM170. Guitar techniques, including: strumming, slurring, guitar picking and exercises to facilitate more advanced left hand with right hand coordination will be continued. Further study in music theory, chord analysis and the essentials of various styles (classical, pop, and jazz) will also be included. Guitars will be provided for student use.

*Prerequisite: HUM170 with a grade of C or better or audition***HUM173 Blues, Rock and Jazz Ensemble***3 credits; 3 hours*

The Rock, Blues, and Jazz Ensemble is for all instrumentalists seeking to improve their skills as ensemble performers. This course is designed to enable students to perform cohesive ensemble music with attention to skills such as, reading, improvisation, performing a variety of styles, rhythm section techniques, good stage presence, communication in musical terms & band equipment set up. Class sessions consist of small group rehearsal and culminate in one or more public performances near the end of the semester.

*Pre- or Corequisite: CSE095, ESL097***HUM180 Piano I***3 credits; 3 hours*

This course is open to all students interested in playing the piano but who have had no previous experience. Students in this class will develop the ability to play simple melodies and simple accom-

panying techniques for folk songs, sight read at the keyboard and play easy piano literature from a variety of stylistic eras.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095

HUM181 Piano II

3 credits; 3 hours

A continuation of HUM180, this course will train students to play more complex compositions. Students also will learn to sight read more difficult musical selections, and will learn to improvise simple accompaniments for folk songs.

Prerequisite: HUM180 with grade of C or better or audition

HUM182 Piano III

3 credits; 3 hours

A continuation of HUM181, this course is designed to give the student an increased technical and reading capability. The student will learn about scales and finger exercises which will aid in the study of pieces representative of the various periods of musical composition. Upon completion of the course, the student should be able to play pieces appropriate for the advanced beginner from both the classical and popular repertoire.

Prerequisite: HUM180 and HUM181 or audition

HUM191 Percussion II

3 credits; 3 hours

This course is designed as a continuation of HUM190, Percussion I. It is intended to increase the students' knowledge and technical ability as percussionists on a variety of instruments. The students will study and perform music in varying styles intended to increase their proficiency in reading written music. In addition, they will enhance their playing and reading ability by studying gradually more advanced technical percussion exercises. There will be in-class and public performances.

Prerequisite: HUM190 with a grade of C or better or audition

HUM193 Popular Percussion Ensemble

3 credits; 3 hours

This course is designed to allow students to participate in percussion groups of various sizes. Students will study and perform music from published and/or original arrangements, which reflects a variety of percussion styles. Music Fundamentals and Techniques (rudimentary music theory) as applied to the different pitched or non-pitched percussion instruments will be studied. No prior musical experience necessary.

Pre- or Corequisite: CSE095, ESL097

HUM210 American Music

3 credits, 3 hours

American music is an exploration of the various musical developments in the United States. Through listening, reading, and discussion, students will investigate folk music, entertainment and commercial music, art music and other musical traditions of the United States. The Broadway musical and the current musical scene will also be studied.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

New Media Technology

HUW111 E-Commerce Technology

3 credits; 4 hours (3 lecture, 1 lab)

This course provides students with the fundamental steps required to build a successful e-commerce system. Topics include: client/server technologies, Web servers (e.g., Apache, IIS), connectivity with database systems, obtain/connect with secure certificates. This course will provide students with hands-on experience designing, implementing, and monitoring business-customer websites.

Prerequisite: ENC/ENG101, HUW161 or HUW166

HUW112 Introduction to New Media

3 credits; 3 hours

This course introduces students to new media. It explores the applications of new media and discusses underlying technologies such as digital video/audio, Web pages, programming, physical computing, compression and file transfer. The course will build from file and directory manipulation through to the design of interactive materials. The lab portion of the course will explore digital video and audio editing; Web page design; image editing; and a computer scripting language.

Prerequisite: BTC100 or BTC101 or MAC101

HUW161 Principles of Multimedia and Web Design

3 credits; 4 hours (3 lecture, 1 lab)

This course explores various aesthetic and ergonomic issues from both the user and technical standpoints of Web design. Students are introduced to development tools to aid in the creation of multimedia applications. Topics include the human computer interface, site navigation, browser safe design, HTML, CSS, XML, layout control, templates, plug-ins and image manipulation.

Prerequisite: HUA104 or HUA125 or HUW112

HUW162 Web Animation and Interactivity

3 credits; 4 hours (3 lecture, 1 lab)

The student will learn to design effective web sites using multimedia elements such as audio, video and animation. Each student is required to develop and publish web content in order to prepare for a career in New Media. Students will further explore web animation and interactivity via database connectivity, graphics and scripting to develop rich media applications and sites. The lab portion will require the completion of a final project that demonstrates mastery of the material covered.

Prerequisite: HUA104 or HUA125 or HUW112

HUW163 Internet Video and DVD Development

3 credits; 4 hours (3 lecture, 1 lab)

Students develop their skills in multimedia and streaming video tools that include: video capture, video editing and video compression for streaming media. Students will be introduced to digital video software such as Final Cut Pro or Avid to create video that can be embedded into Web pages or burned into DVDs. Students will be required to complete a final project that demonstrates mastery of the material covered.

Prerequisite: HUA104 or HUA125 or HUW112

HUW166 Introduction to Web Development*3 credits; 4 hours (3 lecture, 1 lab)*

This course introduces students to the Internet and the World Wide Web. Students will learn about web browsers, XHTML coding, Javascript and CSS. Students will code and generate web pages by hand in preparation for creating fully dynamic sites. The basics of modifying bitmapped images will be covered.

*Prerequisite: BTC100 or MAC101***HUW167 Dynamic Web Development***3 credits; 4 hours (3 lecture, 1 lab)*

This course introduces students to creating dynamic database driven web sites with XHTML and web programming languages like PHP, MySQL, Coldfusion and ASP. In addition, Javascript and CSS programming will be reinforced before advancing to the server side language.

*Pre- or Corequisite: HUW166***HUW168 Advanced Dynamic Web Design***3 credits; 4 hours (3 lecture, 1 lab)*

This course continues on the web programming foundation introduced in HUW167, Dynamic Web Design. Students will continue developing dynamic database driven web sites with XHTML and web programming languages like PHP, MySQL, Coldfusion and ASP. Special attention will be given to the integration of newer technologies like JQuery, Spry, AJAX, into effective web page design. As well as the use of Content Management Systems (CMS) like Wordpress, Joomla and Drupal in the rapid development of web sites.

*Prerequisite: HUW167***HUW169 Internet Game Design***3 credits; 4 hours (3 lecture, 1 lab)*

This course deals with the technology, science, and art involved in the creation of computer games. The focus of the course will be hands-on development of web based computer games. Students will study a variety of software technologies relevant to online game design, including: programming languages, scripting languages, operating systems, file systems, networks, simulation engines and multimedia design systems.

*Prerequisite: HUW162 or HUW166***HUW269 New Media Project Lab***3 credits; 4 hours (3 lecture, 1 lab)*

The New Media Project Lab will serve as the capstone course in the major and reinforce key New Media concepts. Students will develop a final professional portfolio to display their command of multimedia design. Students will be able to utilize this portfolio in an interview in order to obtain work in the field of New Media. The portfolio will serve as a final thesis project and contain revised examples of their past work.

*Prerequisite: ENC/G101, HUW161, HUW162, HUW163, HUW166***Music Recording Technology****HUX101 Audio Electronics***3 credits; 9.5 hours*

This introductory course lays the groundwork for audio and computer technology. Students learn the fundamentals of AC- and DC-powered audio and computer equipment, signal routing, patching, and equipment interfacing. Lab work focuses on basic skills of audio technician. Through projects, students learn proper wiring and soldering techniques.

HUX102 Basics of Digital Audio*3 credits; 9.5 hours*

This course introduces students to computers with an emphasis on audio applications. Topics include the functions of the CPU, memory, hard disk storage technology, and input and output peripherals. Guided tutorials take students through basic computer operations, setup of interfaces with peripherals, and the formatting of storage media. In addition to working with industry-standard digital editing software, students also learn basic word processing and graphics applications.

HUX103 Ear Training and Acoustics*1 credit; 6 hours*

Students learn about sound generation, human hearing and perception, the physical principles of musical instruments, acoustics, and acoustical phenomena. Fundamentals are applied to room acoustics typical of a project studio environment. This class emphasizes critical listening skills, a fundamental tool of the audio engineer and music producer. Students receive blank CDs and headphones and burn their own set of IAR audio listening samples for ongoing ear training development.

HUX104 The Business of Music*1 credit; 5.5 hours*

This course focuses on the structure of the music business and the process by which an artistic creation is brought to market. It examines the roles of the record label, artist, writer, producer, manager and attorney. Topics also include royalties, recording and producing contracts, publishing and protecting music, the Internet, and other legal issues and business considerations.

*Prerequisite: HUX101, HUC102, HUC103***HUX105 Audio Processing and Storage***3 credits; 11 hours*

This course introduces students to the tools engineers and producers use to shape and store sound. Topics include gain structure, compression, expansion, equalization, delay, reverb, mixing console operations, analog and digital tape machine operations and alignment techniques. In the hands-on lab, students operate audio processors and learn the parameters of each device. Working with the audio patchbay, students learn proper equipment interfacing technique using analog and digital equipment.

Prerequisite: HUX101, HUX102, HUX103

HUX106 Digital Music Production*2 credits; 8.5 hours*

This course focuses on the underlying principles and actual operation of the digital audio workstation (DAW). Students learn about quantization, aliasing, analog-to-digital and digital-to-analog conversions, digital delays, AC-3, DTS and MPEG compression algorithms. Working on individual DAWs, students run software exploring basic music production applications, including mixing techniques, non-destructive editing, virtual patchbays, plug-ins and CD burning.

*Prerequisite: HUX101, HUX102, HUX103***HUX107 Microphones Amplifiers and Speakers***2 credits; 6.5 hours*

This class introduces students to the specifications and uses of microphones, power amps and loudspeakers. Students learn the techniques of microphone placement. They also learn about the selection and setup of power amplifiers and match speakers for ideal system performance in studios and sound reinforcement.

*Prerequisite: HUX104, HUX105, HUX106***HUX108 Mixing Music I***2 credits; 8.5 hours*

Students gain valuable insight into analog mixing methodology and technique, blending both technical and creative skills. Working on multi-track workstations, students practice the skills required to complete a complex music mix, such as sound quality, balance, spatial placement and overall dynamic range and level. Student mixes are played in class, allowing for further development of critical listening and evaluation skills.

*Prerequisite: HUX104, HUX105, HUX106***HUX109 MIDI Applications***3 credits; 10 hours*

This class introduces the fundamentals of MIDI sequencer and sound module operations. Students learn about synthesis, synchronization, and SMPTE/MIDI time code conversion. Working at individual computer stations using a MIDI sequencer and digital audio programs, students write sequenced programs, control sounds from the program to the sound modules, and mix a MIDI-sequenced track.

*Prerequisite: HUX104, HUX105, HUX106***HUX110 Recording Workshop***1 credit; 5 hours*

This studio course applies principles and techniques learned in lectures and labs to actual digital multitrack recording sessions with live musicians. Musicians are recorded by the student engineers starting with recording initial tracks and ending with the final mix. Students rotate through the job assignments of engineer, assistant engineer, digital audio workstation operator, session set-up and breakdown.

*Prerequisite: HUX107, HUX108, HUX109***HUX111 Mixing Music 2***3 credits; 9.5 hours*

This class focuses on techniques of mixing in the digital environment. Issues of analog mixing are re-examined in the digital realm. Topics include gain structure through a signal path from input to stereo mix bus, direct signal path design, virtual patchbays, plug-ins effects, issues related to A-D/D-A conversions and metering. Working at digital audio workstations, students complete complex digital mixes and burn them to CD.

*Prerequisite: HUX107, HUX108, HUX109***HUX112 Post Production Audio***3 credits; 9.5 hours*

This course introduces students to the production of an audio soundtrack synchronized to video. Topics include location audio sound production, SMPTE time code, dialogue replacement, sound effects design and final mixing. Using the DAW, students build a soundtrack to enhance the visual experience. They use Quicktime video imported into the audio DAW and prepare sub mix stems of music, effects and dialogue prior to doing a stereo mix.

*Prerequisite: HUX107, HUX108, HUX109***HUX114 Industry Practicum***0 credit; 1 hour*

This course takes students through resume writing, interview techniques, networking, job search strategies, and on-the-job etiquette to prepare students for the workplace. Helpful tips on the current job market are discussed. One-on-one time is available to students to polish their resumes and help steer them towards suitable employment.

*Prerequisite: HUX107, HUX108, HUX109***Theatre****HUT101 The Art of Theatre***3 credits; 3 hours*

This course is an introduction to the study of theatre, including playwriting, directing, acting, design and technical theatre. No experience in dramatic production is required. Lecture discussions, performances, demonstrations, films, tapes and guest appearances by theatre professionals will be included. This course is intended as the gateway course into the theatre major.

*Pre- or Corequisite: ENC/ENG101***HUT110 Acting I***3 credits; 3 hours*

This course examines the theoretical perspectives and the practical demands of acting as an art form. Readings in theory are supplemented by student presentations of short scenes and possible seminar visits to New York theatres.

Pre- or Corequisite: ENC/ENG101

HUT111 Acting II*3 credits; 3 hours*

This course offers exploration of the theory and practice of acting as an art form through the study of scene preparation and character analysis. Study scenes will be taken from comedy, farce, contemporary and classical drama, offering practice in a variety of acting styles. The spatial characteristics of the stage, rehearsal techniques and the use of props/costumes/make-up will be examined. In addition to texts and plays, students will be required to buy a basic stage make-up kit.

*Prerequisite: HUT110, HUT190**Pre- or Corequisite: ENC/ENG101***HUT112 Acting for the Camera***3 credits; 3 hours*

Acting for the Camera trains the student actor in the specialized demands of working for the camera. Topics include the difference between theatre and film acting, character development, being “real” for the camera, making adjustments to the film director, preparation, continuity in performance, reaction shots, vocal levels and blocking and business for the camera. The method will be practical and project-based, with performance of selected scenes on video tape.

*Prerequisite: ENC/ENG101, HUT110, HUT190***HUT 122 Introduction to Design for the Theatre***3 credits; 3 hours*

This course gives the student an overview of the role of design in theatre. Topics to be studied include: the history of theatre architecture and stage technology; the various stage configurations and specialized equipment; the design process for theatre production; and an overview of design for scenery, properties, lighting, costumes, makeup, sound and projection.

HUT127 Rehearsal and Performance*3 credits; 4 hours (3 lecture, 1 lab)*

This course is linked to the Fall or Spring productions of the Theatre Program at LaGuardia. Students who register for this course will be assigned specific tasks that relate to the production, such as acting, stage management, properties, lighting, etc. No prior knowledge of theatre is required for the course and students will learn through hands-on and class experiences working with the director, experienced peer actors and a professional design and construction team. Each student will prepare a prompt book.

HUT175 Directing for the Stage*3 credits; 3 hours*

This course explores the functions and responsibilities of the theatre director: script analysis, transfer or written text to the stage, blocking, pacing, developing characters, using props, sound and theatrical design elements. Students explore the director's relations with the playwright, designers and actors. Activities include viewing videotape of directors at work, attending rehearsals with directors of diverse backgrounds, auditions, casting a play and using various rehearsal techniques.

*Prerequisite: CSE099, ENA/ENG/ESA099/ENC101***HUT210 Theatre: Pre-history to the Renaissance***3 credits; 3 hours*

This course will examine the development of theatre from the earliest ritual origins to the Renaissance. Topics include: theatre and drama in Ancient Greece; Roman and Byzantine theatre; European theatre and drama of the Middle Ages; Italian, English, Spanish, and French theatre of the Renaissance; and the origins of theatre in Africa and Asia.

HUT211 Theatre: Renaissance to Modern Times*3 credits; 3 hours*

This course will examine the development of theatre from the Renaissance to today. Topics include: post-Renaissance European theatre through the 19th century; early and late 19th century European theatre; American theatre prior to 20th century; the beginnings of modern world theatre; and post World War II theatre.

Philosophy and Critical Thinking**HUP101 Introduction to Philosophy***3 credits; 3 hours*

This course introduces students to the process of philosophical reflection. Utilizing the concept of freedom extensively, it seeks to develop the student's ability to analyze concepts and to explore life experience in a structured and coherent fashion. Students are encouraged to develop their perceptions by critically examining their own beliefs, attitudes, and assumptions in light of the philosophical analyses they encounter.

*Prerequisite: CSE099, ENA/ENG/ESA099/ENC101***HUP102 Critical Thinking***3 credits; 3 hours*

This course explores the process of thinking critically, and guides students in thinking more clearly, insightfully and effectively. Concrete examples from students' experience and contemporary issues help students develop the abilities to solve problems, analyze issues, and make informed decisions in their academic, career and personal lives. Substantive readings, structured writing assignments and ongoing discussions help students develop language skills while fostering sophisticated thinking abilities.

*Corequisite: CSE095 or CSE099, ENA/ENG/ESA099/ENC101, MAT095; This course is closed to students who have taken HUR100.***HUP103 Creative Thinking: Theory and Practice***3 credits; 3 hours*

This course explores the process of thinking creatively and guides students in developing the creative thinking process, opportunities to work on a variety of projects and activities requiring creative thinking, and personal appearances by creative people discussing their work.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095

HUP104 Ethics and Moral Issues*3 credits; 3 hours*

This course investigates the nature of morality and its place in human experience. Among the questions posed and discussed are: Is morality simply relative to specific cultures? What are criteria for right and wrong? What is moral agency? Does love have a place in the moral life? Students are encouraged to explore how morality functions in their own lives.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUP105 Philosophy of Religion*3 credits; 3 hours*

An examination of humanity's basic perceptions of itself as they are reflected in religion. Both Western theism and Eastern non—theism will be explored and evaluated. Special attention will be given to the phenomenon of religious experience as it occurs in the different traditions.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUP106 Social & Political Philosophy: Making a World of Difference*3 credits; 3 hours*

This course invites students to explore both classical and contemporary social and political philosophical theories. Time-honored philosophical perspectives will provide students with a stimulating foundation upon which to explore current social and political issues on a global perspective. With so many provocative challenges confronting the world, students will be offered a philosophical and comparative format through which to better understand and address these global concerns.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUP107 Philosophy of Art*3 credits; 3 hours*

This course explores philosophical theories of beauty and their relationship to the nature of art, as well as the relationship of beauty to truth, morality, and social context. Using examples drawn from the visual arts, performing arts, film, and music—students will examine the origins, purpose, and meaning of art; the nature of the aesthetic experience; and the standards we use to judge artistic expression. Full use will be made of the rich artistic resources of New York City.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUP108 Environmental Ethics*3 credits; 3 hours*

This course offers students an opportunity to investigate ethical issues concerning the environment. The study of Environmental Ethics relates in complex ways to moral theory, as well as global issues in economics, politics and science. This course will explore environmental questions such as our personal responsibility for solving environmental problems; health concerns, and our obligations to ourselves and to other species. Potential solutions will also be explored.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUP109 Philosophy of Law*3 credits; 3 hours*

This course examines legal concepts and theories, moral theories, and problems of legal reasoning and decision-making. Students have the opportunity to critically evaluate philosophical arguments in the areas of justice, liberty and responsibility. Topics to be addressed include, among others, excuse and justification in criminal law, capital punishment, theories of torts and contracts, international law, civil disobedience, censorship and the right to privacy.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUP112 Logic and Philosophy*3 credits; 3 hours*

An introduction to modern symbolic logic with a focus on its application to actual philosophical problems. Topics to be discussed include validity, entailment, truth-tables, proofs, translations from English into symbolic form, as well as more philosophical topics like the relation of modern logic to earlier syllogistic logic, the possibility of the use of logic to resolve philosophical problems (e.g., God's existence or free will), the relation of English to logic, and the possibility of 'alternative' logics.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, HUP102, MAT096

HUP114 Medical Ethics*3 credits; 3 hours*

This course emphasizes the application of moral theory to the issues that arise in the context of medical research and practice. Topics to be addressed include, among others, the role and responsibility of healthcare givers in death and dying, the use of stem cells and animals in medical research, the use of genetic information to influence the outcome of human pregnancy, cosmetic surgery addiction and issues involving involuntary psychiatric care.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUP116 Latin American Philosophy*3 credits, 3 hours*

This class discusses philosophy from and about Latin America and the topics, styles, and voices that have been born there. Latin America is an invented region, regulated and formulated by external forces. It is only logical that such a place would have adopted some philosophical modes, and yet it also makes sense that philosophy would find here a style that challenges traditional formulations and problems.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUC117 Introduction to Computer-mediated Communication*3 credits; 3 hours*

This course examines features of Computer-mediated Communication (CMC) and the effect of technology on human communication, language, and relationships. Topics discussed include the unique properties of language utilized in conducting online discourse; emoticons, flaming, synchronicity, behavior and netiquette, identity (self-representation in online social communities versus

for attraction) the affects of gender–language and purpose in online communication, and communication choices in building relationships.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUP118 African Philosophy

3 credits, 3 hours

A critical examination of the fundamental questions of human existence as reflected in African traditional conceptions of God, nature, person, identity, free will, morality and the search for a viable political system. This course will analyze the differences and similarities with other systems of thought including the philosophical ideas in the writings of modern thinkers of African descent.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUP120 Eastern Philosophical Traditions

3 credits, 3 hours

This course will introduce the student to Eastern philosophies through an historical and cultural perspective. Hinduism, Buddhism, Taoism, Confucianism, Jainism, Sikhism, Shintoism and Sufism will be among the topics covered in this course. Students will work through several texts and selected readings from primary sources for each philosophy in order to gain an understanding of the doctrines, values, metaphysics and epistemology of various Eastern philosophies.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUP220 Philosophy of Mind

3 credits; 3 hours

This class provides an introduction to basic issues in the philosophical study of the mind. Topic to be addressed include an examination of the nature of mind and its relation to physical reality, the possibility of science revealing the nature of conscious experience, the nature of thinking and perception and how they relate to the world we think about and perceive, and the ability of computers to think or perceive in the same way we can.

Prerequisite: ENC/ENG101, HUP101

Speech Communication

HUC101 Fundamentals of Speech Communication

3 credits; 3 hours

This course is designed to introduce the student to a broad understanding of human communication behaviors. Students will learn basic principles and concepts of interpersonal communication, small group communication and public speaking. Topics include: What is communication? What are the types of communication? How does communication affect our perceptions and self-concept? What are verbal and nonverbal communication? What is active listening? How do we prepare and organize an effective presentation?

Prerequisite: CSE099

Pre- or Corequisite: ENA/ENG/ESA099/ENC101

HUC104 Voice and Diction

3 credits; 4 hours (3 lecture, 1 lab)

This course is designed for students who wish to improve their speaking skills. Course content will include the basic theory of the production of speech and voice, study of the speech and hearing mechanism, and a survey of the sound system of American Standard English. Students will participate in an analysis of their speaking skills and use drills and varied group activities to modify their voice and articulation patterns.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUC105 Language Application Workshop

1 credit; 3 hours (1 lecture, 2 labs)

This course is designed for students who wish to continue to improve their English speaking skills. It will enhance the content of other speech communication courses by helping students modify their articulation, voice and intonation patterns. Through role-plays and discussions, it will provide students with opportunities to use oral language in a variety of contexts in which they have to reason, solve problems and relate ideas.

Pre- or Corequisite: HUC101 or HUC104 or HUC108

HUC106 Public Speaking

3 credits; 3 hours

This course is designed to provide the student with a critical understanding of, and increased skill in, formal public speaking. In addition to examining oral rhetoric theory, students learn and practice skills in topic selection, research, organization, delivery and criticism of speeches.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUC108 Communication in a Professional Setting

3 credits; 3 hours

This course will develop students' knowledge of oral communication principles and theories in professional settings. Topics will include types of organizational communication, obstacles to effective communication, effective leadership behavior, and nonverbal communication. Students will learn about assertive behavior, conflict resolution, effective listening skills and persuasive presentations.

Prerequisite: CSE099

Pre- or Corequisite: ENA/ENG/ESA099/ENC101

HUC109 Persuasion and Debate

3 credits; 3 hours

This course builds on the basic oral skills developed in Public Speaking (HUC106) and is designed to provide the student with the rhetorical and analytical skills necessary for persuasive debate. The student will be introduced to different styles of debate. The student will also learn to prepare a debate brief and to use flow sheets to structure refutation and rebuttal. In addition, the role of persuasion and debate in a democratic society will be explored.

Prerequisite: HUC101

HUC111 Interpersonal Communication*3 credits; 3 hours*

This course will introduce students to the processes and principles of interpersonal communication in the context of developing relationships. Students will examine how the characteristics of each individual (e.g., gender, age, power, culture) and the characteristics of the environment where the relationship develops can affect the way we communicate. The various communication patterns used in relationship formation and relationship disengagement will also be explored.

*Prerequisite: HUC106***HUC112 Small Group Communication***3 credits; 3 hours*

This course is designed to familiarize students with fundamental principles of small group communication practices in various group settings. Topics include: group development, leadership, decision making and problem solving processes, conflict management and technology and virtual groups. The purpose of this course is to help students enhance their small group communication effectiveness in both interpersonal groups and task-oriented teams.

*Prerequisite: CSE099, ENA/ENG/ESA099/ENC101***HUC113 Oral Interpretation***3 credits; 3 hours*

This course introduces students to oral performance through verbal and nonverbal interpretation of literature. The focus of this course is to provide students with performance techniques and analytical tools to explore the communicative, aesthetic, and performance elements in prose, poetry, and dramatic literature by means of creative oral presentations. Topics will include: voice development, use of body movement and interpretation and analysis of literature.

*Prerequisite: HUC106***HUC114/ELL114 Normal Language Development***3 credits; 3 hours*

This course provides a comprehensive overview of normal language acquisition and development. It explores historical and current language theories, research findings and basic stages of typically developing language users. Related topics include an exploration of second language acquisition and atypical language development in people with specific language impairment.

*Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, ELL101 or ELL114; Pre- or Corequisite: HUC106 or HUC114***HUC115 Phonetics***3 credits; 3 hours*

This course is an introduction to the speech sound system of American English, or, the system of English phonemes. Students will learn how to categorize phonemes according to the International Phonetic Alphabet (IPA). Students will practice listening to speech and transcribing it phonetically. Students will be introduced to the acoustic features of sound that are important to speech production. They will be introduced to syllable structure and suprasegmental features that contribute to communication.

*Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, HUC106***HUC116 Survey of Speech, Language, and Hearing Disorders***3 credits; 3 hours*

This course will survey the more commonly known speech, language, and hearing disorders that affect children. It is designed to help classroom teachers recognize these disorders, to make appropriate referrals for intervention, and to promote the ability of those with communication disorders to achieve their maximum communicative potential.

*Prerequisite: CSE099, ENA/ENG/ESA099/ENC101***HUC140 Introduction to Broadcasting***3 credits; 3 hours*

This course will provide students with an introduction to the history of Radio and TV, with an emphasis on major facets of electronic media, including networks, legal aspects and government regulations, cable and satellite ratings and programming. Guest lecturers and field trips as well as hands-on work at the College Radio Station will enhance the experience.

*Prerequisite: CSE099, ENA/ENG/ESA099/ENC101***HUC141 Public Relations***3 credits; 3 hours*

This course will familiarize students with a basic understanding of the dynamic field of public relations. Students will examine the history, theory, ethics, planning, evaluation, analysis and global trends of public relations.

*Prerequisite: CSE099, ENA/ENG/ESA099/ENC101***HUL100 Communication and the Non-Native Speaker***3 credits; 4 hours*

This course is designed to help the student develop facility with English when it is not his or her native language. It is especially designed to provide students with insight into interpersonal relations in various cultural settings. Course content will include communication theory, interpersonal skills in both verbal and non-verbal communication, and reinforcement of oral language skills. Students will survey the sound system for Standard English, learn listening skills, and self-corrections for pronunciation and grammar.

*Pre- or Corequisite: ESL099***HUL110, Group Communication for Non-Native Speakers***3 credits; 3 hours*

This course is designed to help students who are not native speakers of English develop their oral communication skills in a group setting. Integrating language, content and culture, students will carry out a variety of tasks requiring them to process and produce academic language. Students will become familiar with effective styles of group leadership and participation. Other topics include listening in groups, decision making, problem solving, agenda setting, conflict resolution, research methods and presentation techniques.

Prerequisite: HUL100

Visual Arts

Art Appreciation

HUA101 Introduction to Art

3 credits; 3 hours

This course is designed to develop the students' ability "to see," while it examines the fundamental nature, meaning, and humanistic value of art. Attention will be given to an examination of the creative process and to the role of the spectator as an active participant in the understanding of art. Relevant readings will be discussed in relation to specific works of art. The function of basic compositional elements will be examined. Museum visits are required.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

Art History

HUA165 Art History: Prehistoric Through Gothic

3 credits; 3 hours

This survey of art from pre-history to the late Middle Ages builds visual understanding through close study of individual works of art in various media, including painting, sculpture and architecture. Connections between art works and their cultural contexts are emphasized, as are the cross-cultural exchanges which have enriched the diverse artistic traditions of Europe and the Americas. Museum visits are required.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUA166 Art History: Renaissance Through Modern

3 credits; 3 hours

This survey of art from the Renaissance to the present builds visual understanding through close study of individual works of art in various media, including painting, sculpture, architecture, and photography. Connections between art works and their cultural contexts are emphasized, as are the cross-cultural exchanges which have enriched the diverse artistic traditions of Europe and the Americas. Museum visits are required.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUA167 Introduction to African Art

3 credits; 3 hours

This course will explore various styles—primarily from Western Africa—including urban, rural, and royal works of art. The main emphasis of the course will be the way these works of art have been and continue to be used in everyday activities and their importance in community life. Contact and cross influences with Islam, Europe and the Americas will be discussed. Two museum trips are required.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUA200 Art of the Twentieth Century

3 credits; 3 hours

This course explores the history of various styles and forms of

Western painting and sculpture from the Impressionist period to the present. Such diverse styles of modern art as Cubism, Dada and Surrealism, Expressionism and the more recent styles of Pop and Conceptual Art will be examined and discussed. Consideration will be given to the understanding of abstract and non-objective art as well as the influences which African and Eastern art have had on the development of modern art styles. Illustrated with slides. Museum visits are required.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUA215 Art of the Renaissance in Italy

3 credits; 3 hours

The painting, sculpture and architecture of Renaissance Italy will be examined for humanistic content as well as for the visual qualities of composition, style and technique. Works of art will be discussed within the historical context of the Renaissance. Such renowned works as Michelangelo's Sistine Ceiling and Leonardo's Last Supper will be compared to earlier styles. Renaissance art as a foundation of modernism will also be discussed.

Prerequisite: CSE099

Pre- or Corequisite: ENC/ENG101

HUA285 Graphic Narrative

3 credits; 3 hours

This course further develops the students' drawing & design drawing skills, and introduces them to the interaction of visual/imagery and verbal themes. Students will develop individual portfolios in specific sequential art fields, e.g., book illustration, comics, the graphic novel and editorial illustration. Class lectures and related reading will focus on the highlights of classic to contemporary illustration and graphic narratives.

Prerequisite: HUA103 or HUA104 or HUA180

HUA289 Art and Design Seminar

3.0 credits; 3 hours

Students will engage in self-directed research in the form of written, and creative projects specific to their discipline: Fine Art, Design Art History, or Graphic Illustration. These projects will develop in consultation with the Instructor. Students will develop oral and visual presentations, and participate in class critiques. Art majors will finalize their portfolios, and eportfolios, made up of representative examples of studio work. As the capstone course in art, this workshop is both writing and reading intensive.

Pre- or Corequisite: Any intermediate studio art course:

HUA126, HUA166, HUA203, HUA207, HUA210, HUA220, HUA230, HUA285

Computer Art

HUA125 Introduction to Computer Art

3 credits; 3 hours (2 lecture, 1 lab)

This course provides an introduction to all phases of computer graphics applications, including draft and paint modes, fills, textures, brushes, graphic tools and color blending through exercises

in drawing, painting, graphic design, illustration and advertising techniques. Electronic publishing and software design will also be presented through field trips and videotapes. Students will have hands-on experience with microcomputers utilizing graphics, draw and paint software programs. No previous experience with computers or graphics is necessary.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095

HUA126 Computer Art 2

3 credits; 4 hours (3 lecture, 1 lab)

This course is a higher level extension of Computer Art I (HUA125). Through a deeper examination of visual design and graphics software principles students will solve more challenging graphic and product design problems. Both Mac and Windows OS's will be utilized in order to explore their relationship and synergy. Field trips to museums and design studios. eportfolio will be employed.

Prerequisite: HUA125

HUA127 Computer Art 3

3 credits; 4 hours (3 lecture, 1 lab)

This course is a high-level continuation of Computer Art 2 (HUA126) and will focus on more sophisticated graphic design problems utilizing visual design principles. Students will examine more advanced levels of QuarkXPress, Photoshop, and Illustrator. Both Mac and Windows operating systems will be examined. Students will be introduced to the animation programs, Flash, AfterEffects, and Dreamweaver as used in website design. Field trips are designed to increase the students' understanding of the workings of this dynamic and rapidly changing field. Students will produce a portfolio of original design in both "hard" and "soft" media.

Prerequisite: HUA126

Design

HUA107 Form and Structure

3 credits; 3 hours

This course will study the structural logic found in nature and how it relates to a man-made objects based on observation. Class projects will be creative interpretations in both two and three dimensions and will include an introduction to drawing and model building techniques. Drawing methods based on sighting, perspective and proportion will be taught so that what is seen can be drawn and interpreted accurately. The relationship between concept, structure, form and its function will be explored.

Prerequisite: HUA103

HUA207 Modelmaking I

3 credits; 3 hours

This is a hands-on course in how an idea is developed from a sketch to a fully realized prototype model. Fabrication strategies for overcoming material limitations and exploiting their strengths will be emphasized. In addition, students will be expected to control and critique their ideas, as well as develop a professional

approach to craftsmanship and communicating those ideas. Industrial design as related to architecture and interior and product design will be introduced. Industry standard software, such as Photoshop and Adobe Illustrator, will be utilized in this course.

Prerequisite: HUA106

HUA212 History of Design

3 credits; 3 hours

This is an introduction to the history of design as a major independent element of visual arts, and the ways in which intentionally produced objects, environments and experiences both shape and reflect their historical moment. The course will investigate how good design is expressed in architecture, household objects, crafts, tools and transportation. Emphasis will be placed on the importance of social, political and cultural factors and the role they play in how objects and structures are made, and why they look the way they do. Museum visits will be required.

Film and Media

HUC120 Mass Media and Their Evolution

3 credits; 3 hours

This course traces the historical development of such mass media as radio, television, newspapers, recordings and film, and examines the functions and limitations of each medium. Special attention is given both to the role of mass communication in reflecting and projecting society, and to the form and functions of mass media systems of the future.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUC130 Mass Communication and Society

3 credits; 3 hours

This course critically analyzes selected issues in mass communication. Possible topics include: media violence and pornography; media stereotyping; comics and political cartoons; hidden persuaders; editorial policies; media bias; censorship; press freedom and responsibility. Students projects may vary each term.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101; HUC120 recommended but not required.

HUC150 The Art of Film

3 credits; 4 hours

This course provides an overview of film history and theory. The student learns about aesthetic and technological innovations in the medium, while developing critical skills through screening films selected as representative of a type or concept. The student should expect to pay for film screenings.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUC165 Film and the Supernatural

3 credits; 4 hours

This course will explore major films which have reflected and helped to define the concept of "supernatural horror" in Western culture. The films will be related to the themes in folklore and fiction that inspired their scripts. Students will learn to identify the

basic themes in supernatural film and fiction and will acquire the basic methodology required to analyze these films as unconscious reflections and/or semi-unconscious projections of archetypal fears. The student should expect to pay for film screenings.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUC/ENG238 Screenwriting

3 credits; 3 hours

This is a course in the art and craft of writing a fictional narrative for the screen. Screenwriting genres and applications vary widely, yet every one reaches its audience through storytelling. Students examine the ways cinematic narratives show, rather than tell. Students then create their own 10-minute movie script. They explore scene and act structure, character development, dialogue, description, etc. Students learn professional standards for writing for the screen and how to use screenplay software.

Prerequisite: ENC/ENG101

HUC240 Video Production Workshop

3 credits; 4 hours

This course introduces the student to the theory, vocabulary, and production techniques of the video medium. Students, functioning as a production team, create, and produce short video projects during the session which culminate in a final production created, organized, and produced by the class. Students are assigned, on a rotating basis, specific production roles such as director, switcher, camera operator, floor manager, audio technician, production assistant or VCR operator. Projects vary from term to term as deemed appropriate by the instructor.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095

HUC241 Video Production Workshop II

3 credits; 4 hours

HUC241 gives students the opportunity to produce individual video projects which may serve as a “reel” for transfer or for employment in crafts and creative positions in production. The emphasis is on production of image and sound. Students learn standard formats such as narrative, documentary, music video and TV commercials, and learn how to use the tools and techniques of video production to express their personal visions. Students apply established models for continuity editing and the principles of montage. Students and faculty participate in critical analysis of students’ work-in-progress and finished projects.

Prerequisite: HUC240

Pre- or Corequisite: HUC150

HUC270 American Film

3 credits; 4 hours

This course is a survey of artistic, technological and industrial development of cinema in America. The films screened are representative of major developments in American film history: technological, aesthetic, industrial and socio-cultural. Through readings and screenings, the student considers such topics as: major genres that reflect and project American attitudes and values, the work of the great American film artists, and the role of films by black Americans. The student should expect to pay for

film screenings.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUC/ENG272 Literature and Film

3 credits; 4 hours

This course studies the similarities and differences between literature and film. By comparing and contrasting literary works (complete and excerpts) with films, the course illuminates the methods, structures and contents of the two media, as well as their interrelationship. Writers to be considered may include Shakespeare, Keats, Dickens, Dickinson, Wright, and West; films to be viewed may include those made by Griffith, Chaplin, Riefenstahl, Flaherty and Resnais.

Prerequisite: CSE099, ENG102, HUC150 or HUC270

HUC275 American Film Comedy

3 credits; 4 hours

This course surveys American film comedy through the study of comic performers and comic styles of filmmaking. It explores such areas as the difference between physical and verbal comedy and why we laugh at slapstick. The course includes in-class screenings and discussions. Contributions by comedians from a variety of ethnic backgrounds are highlighted. Suggested comic artists include Charlie Chaplin, Bill Cosby, W.C. Fields, the Marx Brothers and Mae West. The student should expect to pay for film screenings.

Prerequisite: CSE099, ENC/ENG101

Photography

HUA202 History of Photography

3 credits; 3 hours

This course will examine the development of photography as an art form. Beginning with the introduction of the camera in the 19th century, the course will focus on early photographic experimentation and its effects on painting. Accordingly, students will then be introduced to the work of great photographers from Nadar to Stieglitz, and to the effects of their work on the development and refinement of the photographic form. An overview of photography in the modern age will conclude the course.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

HUA130 Beginning Photography

3 credits; 4 hours (1 lecture, 3 labs)

This course is an introduction to photography covering the 35 mm camera, lighting, exposure, processing, printing, film scanning and basic Photoshop techniques. The creative use of photographic techniques as they relate to individual expression will be considered. Special projects and a final portfolio are required. Students must have a manually operated 35mm camera and should expect to pay for additional materials for this course. Beginning Photography is a hybrid of analog and digital techniques.

Pre- or Corequisite: MAT095, ESL099/ESR099

Note: An additional hour of lab is required per week so that students may practice technique in the darkroom. Proficiency in

basic photography developing and printing is the goal of this scheduling. The additional lab hour is supervised by a college technician.

HUA131 Digital Photography I

3 credits; 4 hours (3 lecture, 1 lab)

This course is designed to introduce students to the hardware and software utilized in capturing digital images (i.e., input). It will include use of digital cameras, analog cameras, scanners, and the downloading of images from the Internet. Students will be introduced to software such as Adobe Photoshop and QuarkXPress, and they will explore their interface with the Macintosh and Windows operating systems. A portfolio presented in "soft" media form will be created.

Prerequisite: HUA130;

Pre- or Corequisite: HUA125

HUA145 Studio Lighting

3 credits; 4 hours (3 lecture, 1 lab)

This course introduces the students to studio photography. Professional equipment, including the 4 x 5 view camera, 35mm camera, and studio tungsten lighting, will be utilized. Basic studio lighting techniques will be addressed in "table top" (still life) situations. Most assignments will be in black & white; students' ability to produce commercial-quality black-&-white negatives and prints will be emphasized. Students must have a 35mm camera, and should expect to pay for additional materials for this course.

Prerequisite: HUA230

HUA155 The View Camera, Large Format Photography

3 credits; 4 hours (3 lecture, 1 lab)

Instruction and practice in the operation and use of the view camera and its equipment including: lenses, swings, tilts, perspective control and correction, and enlarging and printing large format negatives will be provided. Students will work primarily with the 4" x 5", and receive experience with the 8" x 10", and learn how the view camera is used in architecture, studio photography and for flatwork. Students should expect to pay for additional materials, equipment and supplies.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, HUA130

HUA230 Intermediate Photography

3 credits; 4 hours (1 lecture, 3 lab)

An intermediate course in photographic instruction, darkroom technique and aesthetics. Students will be exposed to classic examples of photojournalism, and instructed in appropriate techniques in each area. Students will begin to build a portfolio in a chosen area. Each person will be expected to have a camera.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, HUA130

HUA231 Digital Photography II

3 credits; 4 hours (3 lecture, 1 lab)

This course is an extension of Digital Photography I, focusing primarily on the software and some hardware required for the output of digital images. Adobe Photoshop and QuarkXPress are the software that will be emphasized. Adobe Illustrator will also be introduced and some output devices such as inkjet and laser printers

will be explored. Storage media such as the writeable CD, DVD and the ZIP disk will serve as "working portfolios" from which the final portfolio of manipulated digital images will be printed.

Pre- or Corequisite: HUA131

HUA234 Color Photography

3 credits; 4 hours (2 lecture, 2 lab)

This course covers the theory and use of color film and digital capture as they apply to color photography. The psychological and aesthetic effects of color will be investigated, and the student will learn to manipulate color through an understanding of various light sources, the use of filters and white balance. The student will learn how to operate the Dichroic color enlarger to create and color correct prints. Students must have a 35 mm camera and should expect to pay for additional materials for this course.

Prerequisite: HUA230,

Corequisite: HUA235

HUA235 Color Darkroom Techniques

3 credits; 4 hours (1 lecture, 3 lab)

This course covers the processing of positive photographic film (slides) and color photographic papers (prints). Chemical processes and photographic emulsions will be described and utilized. The student will learn how to operate the dichroic color enlarger and the universal film and print processor. This course is offered in conjunction with Color Photography. Students should expect to pay for additional materials for this course.

Prerequisite: HUA230, Corequisite: HUA234

HUA238 Alternative Photography: The Manipulated Image

3 credits; 4 hours (3 lecture, 1 lab)

This course explores a variety of alternative photographic processes and manipulated imagery techniques such as hand-coloring and gum bichromate printing. The incorporation of these processes with collage, printing, drawing, and photographic darkroom techniques, solarization, negative sandwiching and rayogramming will be taught. Students will utilize these techniques in a series of assignments. There will be a gallery/museum trip, a paper and presentations by professional photographers. Student should expect to pay for additional materials for this course.

Prerequisite: HUA104, HUA130

HUA245 Studio Lighting II

3 credits; 4 hours (3 lecture, 1 lab)

This course introduces the students to techniques in portraiture and fashion photography using electronic flash. Students will continue "tabletop" photography using the 4x5 view camera. Assignments will be in black-and-white as well as color; emphasis will be placed on exposure of color transparency film with tungsten and flash illumination. A unit in architectural photography is included. Students must have 35mm equipment and should expect to pay for additional materials for this course.

Prerequisite: HUA145

HUA275 Commercial Photography Workshop*3 credits; 4 hours (2 lecture, 2 lab)*

This is the most advanced course in the Commercial Photography curriculum. The student will explore and analyze the creative and logistic problems encountered during all stages of a commercial photography assignment. Using standard pre- and post-production procedures, as well as photographic techniques learned in previous classes, the student will produce three photographic projects consisting of 5 to 10 images for each. Students should expect to pay for additional materials for this course.

*Prerequisite: ENC/ENG101, HUA245***HUA280 Commercial Photography Seminar***3 credits; 3 hours*

This course introduces the students to the day-to-day operations and business practices of the photographic industry. The professional responsibilities of photographers and photographers' assistants will be explored in detail. Commercial self-promotion, including the creation of an appropriate portfolio, business card, and resume will be covered. The business, legal, and ethical dimensions of everyday activities within the industry will be discussed.

*Prerequisite: ENC/ENG101, HUA145, HUA230***Studio Art****HUA103 Beginning Drawing***3 credits; 3 hours*

This course is an introduction to drawing through basic examination of the visual fundamentals of line, texture, value, space, and form. Problems in descriptive drawing will be explored. There will be individual and group criticism. Sketchbooks are required.

*Pre- or Corequisite: ESL099/ESR099***HUA104 Introduction to Design***3 credits; 3 hours*

This course is an introduction to the fundamentals of design through an investigation of visual elements such as line, shape, and composition. Students will develop designs in two-dimensional form. The design principles will be discussed and illustrated as they relate to a number of visual arts forms.

*Prerequisite: CSE099**Pre- or Corequisite: ESL099/ESR099***HUA106 Three-Dimensional Design***3 credits; 3 hours*

This course examines the principles of three-dimensional design. Students will develop individual designs based on formal elements such as line, shape, mass and volume. Techniques in construction and carving will be demonstrated and developed in plaster, wood, cardboard and metal.

*Prerequisite: CSE099**Pre- or Corequisite: ENA/ENG/ESA099/ENC101, MAT095***HUA110 Beginning Painting***3 credits; 3 hours*

This course is an introduction to painting techniques related to landscape, still life, and abstract composition. Emphasis will be on color expression and color mixing. There will be individual and group critiques.

*Pre- or Corequisite: ESL099/ESR099***HUA115 Color Theory***3 credits; 3 hours*

This course is an introduction to the theory and application of color in two-dimensional design. The basic principles of design will be demonstrated in relation to the interaction of colors. Students will develop two-dimensional designs through techniques in color mixing and collage.

*Pre- or Corequisite: ENA/ENG/ESA099/ENC101, MAT095***HUA120 Beginning Sculpture***3 credits; 3 hours*

Problems in three-dimensional form will be examined through projects in clay and plaster. There will be group and individual criticism.

*Pre- or Corequisite: ESL099/ESR099***HUA180 Life Drawing***3 credits; 3 hours*

This course is an introduction to drawing the human figure. Techniques in line and value and proportion will be developed. Textbook readings, studies in human anatomy, and sketchbooks will be required.

*Prerequisite: CSE099, ENA/ENG/ESA099/ENC101***HUA185 Illustration***3 credits; 3 hours*

This course examines the interrelation of visual imagery and verbal themes. Students will develop individual portfolios as they solve illustration problems focused on the abstract, formal elements and representational imagery. Such media as watercolor, pen-and-ink and pastel will be explored. Class lectures and related readings will focus on the history of illustration.

*Prerequisite: HUA103***HUA190 Technical Drawing***3 credits; 3 hours*

This drawing course is designed to meet the needs of both art and pre-engineering students. It begins with the concept that technical drawing is a communicative tool and proceeds to explore the major areas of drafting. Students taking this course will develop a proficiency in multi-view projection and pictorial drawing by learning the proper use of basic drafting equipment.

*Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095***HUA203 Intermediate Drawing***3 credits; 3 hours*

This course further explores the drawing techniques established in Beginning Drawing. Students will concentrate on drawing

objects and spaces from life and from the imagination. Individual drawing assignments and the development of a final portfolio and sketchbook will be emphasized. Fields trips are usually required. Instead of a textbook, students should expect to pay for art supplies for this course.

Prerequisite: HUA103

HUA210 Intermediate Painting

3 credits; 3 hours

This course is a continuation of the investigations of landscape and still life and their implicit abstract qualities. A special emphasis will be placed on the function of surface, color saturation, scale and multiple relations in contemporary painting. Projects will include finished paintings and sketchbooks. Studio projects will be analyzed and evaluated.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, HUA110

HUA220 Intermediate Sculpture

3 credits; 3 hours

This course is a continuation of problems in three-dimensional form related to the human figure, portraiture and their abstract qualities. Emphasis will be placed on individual expression and the development of technical skills in plaster and clay.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, HUA120

Urban Study Courses

HUN/SSN180 Introduction to Intercultural Communication

3 credits; 3 hours

The course introduces students to the dynamics of intercultural communications and enables them to communicate more effectively in multicultural settings. Through field trips, cultural research and role plays, students develop the skills needed to look objectively at other cultures. Using New York City as a laboratory, they gain experience identifying and analyzing dominant cultural patterns, thus improving their ability to understand the often perplexing behavior of people from cultures other than our own.

Prerequisite: ENC/ENG101, HUC101, and one Social Science elective from the list on page 184.

This is a Writing Intensive course.

HUN191 Photojournalism: An Introduction

3 credits; 3 hours

This course will explore photography as a journalistic tool, emphasizing the photograph as a recorder of newsworthy events. Students will be given assignments to use the photo-document as a narrative tool. The use of text as a complement to the images will be explored. The primary focus of investigation will be the multi-cultural urban center of New York City. Shooting assignments, field trips, a research paper, additional writing assignments required. 35mm camera or digital camera, additional materials required.

Prerequisite: HUA130

Pre- or Corequisite: ENC/ENG101

This is a Writing Intensive course.

HUN192 Art and Society

3 credits; 3 hours

This course examines the relationships among various art forms and the societies out of which they arise. The focus is to establish the connection between the human drive to create and the social attitudes which influence that creation and provide it with a context. Using the rich cultural resources of New York City, students will have the opportunity to explore characteristics and functions of art in other historical and cultural settings. Field trips to various art institutes in the city will constitute a significant part of this course.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

This is a Writing Intensive course.

HUN195 Art in New York: A Museum/Gallery Seminar

3 credits; 3 hours

Through first-hand experience using the museums, galleries, critics, and collectors of New York City, students will examine the form and content of a multicultural range of painting, drawing, outsider art, craft, and sculpture. Museum and gallery visits, as well as a visit to a working artist's studio, will comprise major portions of this course. The class will discuss and write about the exhibits to explore the nature of art criticism.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

This is a Writing Intensive course.

HUN196 Film and New York City

3 credits; 4 hours

This course analyzes the various cultural, historical, ethnic, class, and artistic dimensions of New York in feature films such as *Musketeers of Pig Alley*, *Hester Street* and *Do the Right Thing*, as well as in selected documentary and experimental films. The course also situates New York City within the corporate production and exhibition histories of American film. Particular attention is given to films produced in New York over the last two decades and the images of the city they project.

Prerequisite: ENC/ENG101

This is a Writing Intensive course.

HUN245 The New York Theatre Experience

3 credits; 4 hours

(3 lectures, 1 lab-out-of-class theatre experiences)

This course involves the study of current professional and semi-professional theatre in New York City. Students will be required to attend a series of Broadway, Off Broadway, and Off Off Broadway plays in order to compare their content, underlying aesthetic concepts and production techniques. (Plays may be seen on weekday evenings or weekend/weekday matinees.) Students should expect to pay for theatre tickets, tours, lectures, and workshops with theatre professionals and post-performance discussions.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

This is a Writing Intensive course.

Liberal Arts Departments

Education and Language Acquisition; English; Humanities; Mathematics, Engineering and Computer Science; Natural Sciences; and Social Science Departments

Liberal Arts Seminars

LIB110 Integrating Seminar: Liberal Arts Cluster

1 credit; 1 hour

This one-hour integrating seminar will be used to tie together the content material of the Liberal Arts Cluster. Class time will be spent exploring connections and thematic links introduced in the cluster classes. Instructional methods may include small group work, discussion, media presentations, field trips, and guest speakers. Information regarding the introductory clusters may be found in the Liberal Arts Advisement Handbook.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, and prerequisites of courses in cluster to which LIB110 is assigned.

Note: Not required for students who have passed ENC/ENG101.

LIB200 Humanism, Science and Technology

3 credits; 3 hours

The Liberal Arts Seminar explores aspects of the relationship between humanism, science and technology. Students apply knowledge and critical strategies developed in other courses to significant contemporary and historical issues. The Seminar draws on texts from the Humanities, Arts, Social Sciences and Sciences as students explore ways developments in science and technology contribute to abuses as well as advances in civilizations. Students also reflect on the responsibilities of citizenship in a diverse society. As a capstone course, this seminar is designated writing-intensive.

Prerequisite: MAT096, ENG102, ENG103, and 33 credits

Note: ENG103 is waived for Fine Arts (S11) majors only

This is a Writing Intensive course.

Library Media Resources Center

Room E101 (718) 482-5426

Instruction in the use of library resources is a regular part of LaGuardia's educational program. Library faculty and classroom instructors arrange integrated lessons in which library presentations are tied in with class assignments to aid students in successfully completing their course work.

Department Faculty

JJane Devine, Chief Librarian; Dianne Conyers, Francine Egger-Sider, Louise Fluk, Juan Hurtado, Charles Keyes, Alex de Laszlo, Clementine Lewis, Ann Matsuuchi, Eric Moy, Elizabeth Namei, Albert Neal, Steven Ovadia, Terry Parker, Alexandra Rojas, Catherine Stern, Marie C. Spina, Scott White

LRC102 Information Strategies: Managing the Revolution

3 credits; 3 hours

This course is an introduction to the nature and use of information and information sources (print, multimedia and electronic) for study and problem-solving. Students will identify information needs and pose viable research questions; plan research strategies; access materials online and in person, in libraries and on the Internet; evaluate materials found; produce critical, annotated bibliographies to help answer research questions; and face ethical, legal and socio-economic issues of the information age.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

Pre- or Corequisite: MAT096

LRC103 Internet Research Strategies

1 credit; 1 hour

In this course, students will develop an understanding of Internet concepts and terminology. They will acquire strategies for effectively searching Internet resources, including the Invisible Web. In addition to formulating search strategies, analyzing their results, and modifying searches appropriately, students will learn to evaluate critically the electronic resources found.

Pre- or Corequisite: CSE099, ENA/ENG/ESA099/ENC101

LRC104, Information in a Globalizing World

2 credits; 2 hours

The growing interconnectedness of the world and the pervasiveness of the Internet have created an ease of access to all types of global information sources. In an international context of often contradictory opinions and ideas, retrieval and evaluation of information have become more complex. This course will teach students how to access and to evaluate information critically in order to engage with diverse perspectives of 21st century global issues.

Prerequisite: ENC/ENG101

Mathematics, Engineering and Computer Science Department

Room E218 (718) 482-5710

The Mathematics Department offers a great variety of courses to students at all levels: from basic arithmetic and algebra to linear algebra, calculus and differential equations. From these courses, students gain skills and confidence for advanced work while learning to apply their course work to other disciplines.

Department Faculty

Kamal Hajallie, Chairperson; Sreedevi Ande, Daniel J. Aulicino, Abderrazak Belkharraz, Andrew Berry, Prabha Betne, Denise A. Carter, Gordon Crandall, Marina Dedlouskaya, Hendrick Delcham, Amakoe Gbedemah, Anthony P. Giangrasso, Arnold Glick, Luis Gonzalez, Yasser Hassebo, Jerry Ianni, Alejandro Ibanez, Ahmad Khalil, Javier Mckinley, Rudhra Meangru, Jorge Perez, Yvonne Powell, Zahidur Rahman, William Rosenthal, Renan Sezer, Assad J. Thompson, Frank Wang, Shenglan Yuan

Computer Courses

MAC101 Introduction to Computer Science

4 credits; 5 hours (3 lecture, 2 lab)

This is the first course in the Computer Science Program. An emphasis will be placed on algorithmic design using principles of object-oriented programming including objects and classes. Concepts such as inheritance, data abstraction and polymorphism will be included. Students will be required to write several programs in an appropriate language using these concepts.

Prerequisite: CSE099

Pre- or Corequisite: ENA/ENG/ESA099/ENC101, MAT200 or MAT241

MAC109 Introduction to Visual Programming

3 credits; 4 hours (3 lecture, 1 lab)

This course introduces Windows and GUI concepts and applications through objects and programming. Students will learn to develop real-world Windows applications through an event-driven language, such as Visual Basic. Additionally, students will learn basic programming concepts such as arithmetic operations, logical operations and interactive structures.

Prerequisite: BTC100 or BTC101 or MAC101

MAC110 Systems Analysis and Design

3 credits; 4 hours (3 lecture, 1 lab)

This course introduces the student to the analysis and design of computer-based systems with consideration given to organizational structures, form design, file design, data structures, scheduling, operations research techniques, and hardware and software organization. Actual and simulated case studies will be utilized. The student will develop and program a prototype and document

a comprehensive systems study.

Prerequisite: ENC/ENG101, MAC109 or MAC195 or MAC196

MAC125 C/C++ Programming

3 credits; 4 hours (3 lecture, 1 lab)

This course introduces the C and C++ programming through the implementation of various algorithms and the use of an object-oriented approach. Topics include: input/output, expressions, operators, basic data types, functions, flow-control, macros and classes. Structured as well as object-oriented techniques will be emphasized. The course emphasizes structured design and problem solving. Laboratory assignments are required.

Prerequisite: MAC101 or MAC109, MAT200 or MAT241

MAC190 Object-Oriented Programming

4 credits; 5 hours (4 lecture, 1 lab)

This is the second programming course in the Computer Science Program. The focus of the course will be object-oriented programming. Topics include constructors, superclasses, subclasses, strings, graphics, threads, polygons, inheritance, composition and method overloading. Writing programs to implement user defined classes will be required.

Prerequisite: MAC101

Pre- or Corequisite: MAT200 or MAT241

MAC195 Structured Programming with COBOL

4 credits; 6 hours (4 lecture, 2 lab)

Algorithms discussed in this introductory course will be coded in COBOL. A structured approach will be stressed in the analysis of control break logic, sequential file updates, random file processing, ISAM programs, table handling and subprogram linkage.

Prerequisite: BTC100 or BTC101 or MAC101

MAC196 BASIC Assembler Language for Computer Science

5 credits; 6 hours (4 lecture, 2 lab)

This course is designed as a complete course in Assembler Language programming covering macros, conditional assembly, and privileged instructions. Mathematical, scientific and business applications will be illustrated.

Prerequisite: BTC100 or BTC101 or MAC101

MAC230 Comparative Operating Systems

3 credits; 4 hours (3 lecture, 1 lab)

This course is an introduction to computer operating systems including mainframe and microcomputer operating systems. Students will learn operating system concepts and command languages for several operating systems. Topics will include memory management, data management, job scheduling, spooling, I/O management, security and networking as it applies to various operating systems.

Prerequisite: BTC100, BTO155, ENC/ENG101, or MAC101

MAC231 Novell Network Operating System

3 credits; 4 hours (3 lecture, 1 lab)

This course will provide students with theoretical and practical

knowledge needed to configure, optimize, administer and maintain a Novell Netware-based network. Topics will include: login scripts, user and group rights, trustee assignments, security issues, menu and command line utilities, application software supervision, network optimization and installation, network directory services (NDS), tree structures, advanced and customized printing utilities and troubleshooting. Upon completion of the course, students may choose to take the Certified Novell Administrator (CNA) exam.

Pre- or Corequisite: MAC230

MAC232 UNIX Network Operating Systems

3 credits; 4 hours (3 lecture, 1 lab)

This course is an introduction to the UNIX operating system. It is designed to teach students how to effectively integrate UNIX utilities and system calls within network administration. Additionally, it will teach students how to customize work-stations through the use of LAN management and administrative functions. Upon completion of this course, students may choose to take the SCO ACE certification exam.

Pre- or Corequisite: MAC230

MAC233 Windows NT Network Operating System

3 credits; 4 hours (3 lecture, 1 lab)

This course will provide the student with a comprehensive knowledge of the Microsoft Windows NT operating system and network environment. Topics to be covered include an overview of the system architecture, the network environment, administration, security and optimization. Students will be in a computer lab to learn the skills needed to install and configure NT systems and workstations and servers. This course will prepare students to take the first Microsoft Certification Exam in Systems Engineering (MCSE).

Pre- or Corequisite: MAC230

MAC241 Computer Electronics I

4 credits; 6 hours (4 lecture, 2 lab)

This is a course in the fundamentals of DC and AC electric circuit theory which will provide a basis for further study and concentration in computer repair and telecommunications. Among the topics to be considered are Ohm's Law, power, Kirchhoff's Laws, voltage divider rule, RC time constants, measurement techniques, and some basic electronic components such as resistors, capacitors and inductors. The laboratory work will include experiments using voltmeters, ammeters, oscilloscopes and breadboards. The student should expect to pay for additional materials for this course.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

Pre- or Corequisite: MAT241

MAC242 Computer Electronics II

3 credits; 4 hours (3 lecture, 1 lab)

This course is a continuation of Computer Electronics I. Topics covered include parallel resonance, high and low passive filter circuits, transformers, semiconductor structure, diodes, BJTs, FETs, integrated circuits, power supply circuits, transistor amplifier circuits, operational amplifiers, oscillators and modulation and

receiver circuits. This course will emphasize the laboratory construction and troubleshooting of these circuits. The student should expect to pay for additional materials for this course.

Prerequisite: MAC241

MAC245 Network and Systems Security

3 credits; 4.0 hours (3 class, 1 lab)

This course provides a detailed, indepth overview of network security problems and discusses potential solutions. The course covers a broad variety of important security topics such as cryptography, authentication, denial-of-service attacks, worms, viruses, phishing, spyware and Trojan horse. The course will allow the student to examine network and computer security defense mechanisms.

Prerequisites: MAC232 or MAC233

Pre- or Corequisites: MAC252 or MAC253

MAC246 Advanced Network and Systems Security

3 credits; 4.0 hours (3 class, 1 lab)

This is a continuation of CIS 245, Network and Systems Security, covering advanced topics such as biometrics security, network intrusion detection, security and top wrappers and other pertinent topics in the field. This course maps fully to CompTIA's Security + Exam objectives. Extensive hands-on and research projects will place students actively in the role of security professional. The student will have a comprehensive overview of network security from basic concepts to advanced topics.

Pre- or Corequisite: ENC/ENG101, MAC245

MAC250 Database Concepts and Programming

3 credits; 4 hours (3 lecture, 1 lab)

This comprehensive course covers the concepts of data collection, organization, and retrieval. The understanding of data structures and the analysis of file organization techniques will be emphasized. The principles of database design, selection and management will be introduced. Students will be given extensive laboratory experience with programming using a database application package.

Prerequisite: MAC109 or MAC195

MAC252 Advanced UNIX System Administration

3 credits; 4 hours (2 lecture, 2 lab)

This course is a continuation of the UNIX Network Operating System course. It provides students with the practical skills needed to serve as a UNIX system administrator. Topics include login scripts, user administration and security, operating system installation and maintenance, installation of patches and programs, and maintenance and troubleshooting of servers and workstations. Students are encouraged to take the UNIX Systems Administration certification exam.

Prerequisite: MAC232

MAC253 Advanced NT Systems Administration

3 credits; 4 hours (2 lecture, 2 lab)

This course is a continuation of the NT Operating Systems course. It provides the students with the practical skills needed to serve as an NT Administrator. Topics include profiles and policy editor, trust relationship between multiple domains, directory services,

DHCP (Dynamic Host Configuration Protocol), IIS (Internet Information Services), WINS (Windows Internet Naming Service), and network monitoring. Students are encouraged to take the second certification exam offered by MCSE.

Prerequisite: MAC233

MAC260 Introduction to Teleprocessing

3 credits; 4 hours (3 lecture, 1 lab)

This course examines the field of data transmission and how it is used to communicate with the computer. Topics covered include the nature of the communication links and of the hardware attached to them; common carriers and their services; the configuration of data communication systems including a description of the codes, modems, terminals, software and methods of line organization. Both a project and a case study are integral elements of the course and are carried out as a part of laboratory assignments.

Prerequisite: BTC100 or BTC101 or MAC101

MAC261 Internet Telephony

3 credits; 4 hours (3 lecture, 1 lab)

This course introduces students to voice over IP (VoIP), or packetized voice. Students will be exposed to Internet architecture and the handling of user traffic; various protocols including TCP and UDP; digital signal processes; voice coders; connecting to ISPs; modems; layered VoIP architecture; and performance considerations. Students will explore various Internet telephony solutions in the laboratory.

Prerequisite: MAC241

MAC262 Data Communications

4 credits; 4 hours (3 lecture, 1 lab)

This course covers various methods and techniques used in computer communications. The course is designed for telecommunications majors and will aid them in applying data communications skills to on-the-job situations. Main topics include message and packet switching, communication servers, distributed systems and line control techniques. The laboratory portion prepares the student to sit for the Novell CNA exam. The student should expect to pay for additional materials for this course.

Prerequisite: MAC241

MAC263 Network Operations

4 credits; 4 hours (3 lecture, 1 lab)

This course introduces the student to general network theory with respect to the operation and management of modern networks. The student will use laboratory equipment to prepare print servers, file servers, multiplexers, routers and modems. Network monitoring will be introduced for troubleshooting skills and for traffic analysis in a LAN environment. The laboratory work is geared toward preparing the student for network certification.

Prerequisite: MAC262

MAC265 Computer Hardware Interfacing and Programming

3 credits; 4 hours (3 lecture, 1 lab)

The course will introduce the student to techniques in controlling

a computer system and will include interfacing techniques such as memory mapped and isolated I/O, hardware/software interrupts, polling and assembler language. Programming will include such topics as: addressing modes, arithmetic and logic instructions, conditional branching, stacks, subroutines.

Prerequisite: BTC100 or BTC101 or MAC101

MAC286 Data Structures

3 credits; 4 hours (3 lecture, 1 lab)

This advanced computer science course focuses on data structures. It is assumed that the student is familiar with basic computer concepts of object-oriented programming. Topics will include linear data structures such as linked lists, stacks, queues and trees, file processing concepts, sorting and searching, and recursion. Programming assignments will focus on implementing complex algorithms.

Prerequisite: MAC190, MAT200 or MAT241

MAC289 Computer Technology Project Lab

2 credits; 2 hours

This course reinforces the student's concepts of digital circuit-board fabrication for computer and communication devices through the construction of projects. Topics include: lab safety, reading schematic diagrams, PC board layout design and construction, components soldering and wirewrapping. The student will also learn the techniques of troubleshooting the devices using the instruments provided by the laboratory. The projects will vary. The student should expect to pay for additional materials for this course.

Prerequisite: MAC261 or MAC292

MAC291 Computer Logic, Design and Implementation I

4 credits; 5 hours (3 lecture, 2 lab)

This course will teach students how a computer logic statement is converted into an actual circuit. Using binary notation and Boolean algebra, the student will analyze switching networks of logic gates. The circuits which are mathematically described will then be translated into wiring diagrams and implemented on logic trainers and/or prototype boards. The student should expect to pay for additional materials for this course.

Prerequisite: MAC241, MAT241

MAC292 Computer Logic, Design and Implementation II

4 credits; 5 hours (3 lecture, 2 lab)

Students will learn to analyze sequential networks. The use of flip-flops in circuits, such as binary counters, serial adders, parallel multipliers and code converters will be studied. Wave form analysis will be done in the lab using oscilloscopes and logic devices. The student should expect to pay for additional materials for this course.

Prerequisite: MAC291, MAT241

MAC293 Computer Repair and Network Maintenance

4 credits; 5 hours (3 lecture, 2 lab)

This course will provide students with the knowledge needed to diagnose and repair stand-alone and networked personal computers. The student will learn about hardware, including disk

drives, mainboards, video boards, network interface cards and modems. Students will learn how to set up, diagnose, and repair network connections, servers and workstations. Students will work with testing equipment such as oscilloscopes, patch boxes, LAN testers, and wiring tools. General software diagnostic tools will be used. The student should expect to pay for additional materials for this course.

Prerequisite: MAC231 or MAC232 or MAC233 or MAC292

MAC295 Computer Architecture

4 credits; 5 hours (3 lecture, 2 lab)

This course is intended for students who are in the computer science program or for students interested in developing a background in hardware concepts. Topics covered include number systems, logic circuits, arithmetic circuits, flip-flops, registers, memories, sample designs of simple computers and an introduction to microprogramming. The student should expect to pay for additional materials for this course.

Prerequisite: MAC196 or MAC265, MAT200 or MAT241

Engineering Science

MAE100 Computer-Aided Design

4 credits; 4 hours

This course introduces the student to AutoCAD's friendly pull-down menus as a tool to create graphical representations of objects. The course covers introduction of dimensioning systems, fundamentals of orthographic views of real-world objects, and basic two-dimensional drafting techniques. The course includes the creation of three-dimensional objects and their modification by changing the rendering options, material and lighting properties. Views of assemblies and animations are also considered.

Pre- or Corequisite: CSE095, ENA/ENG/ESA099/ENC101, MAT096

MAE101 Engineering Lab 1

1 credit; 3 hours (lab)

This is the first of two engineering laboratory courses. Students meet once a week and are introduced to engineering design through hands-on laboratory work using computer applications. They are taught how to carry out basic structural analysis; in particular, they are introduced to programming a robot to perform a specific task. Additionally, they work in groups on design projects and are expected to use computers for documentation, for data analysis, and for maneuvering the robots.

Prerequisite: MAT200

MAE103 Engineering Lab 2

2 credits; 3 hours (lab)

This course presents selected mathematical concepts and techniques of engineering science, using Matlab. It reinforces the importance of qualitative and quantitative reasoning, and introduces computer-based methods for verifying analytic reasoning

and experimental results.

Prerequisite: MAT201

MAE107 Manufacturing Processes

3 credits; 2 Classroom hours/ 3 Lab Hours

The goal of this course is to introduce students to general concepts in manufacturing. Different materials, tools and fabrication processes will be presented, with emphasis on the lathe and drilling, milling and grinding machines. Welding materials, techniques and symbols are introduced. Programming of Computerized Numerical Control (CNC) machines is also included, complemented with robotic programming for flexible manufacturing of components.

Prerequisite: HUA104

Pre- or Corequisite: ENC/ENG101, MAE100

MAE211 Engineering Mechanics: Statics

3 credit; 3 hours

This course is designed to introduce students to the theory and applications of engineering mechanics – statics. Topics to be covered include equivalent systems of forces, resultants, distributed forces, equilibrium of rigid bodies, centroids, centers of gravity, fluid statics, moments of inertia and friction. Analysis of frames and machines, forces in beams, internal stresses and stability will also be considered. Vector algebra will be used where appropriate.

Prerequisite: SCP231, MAT203

MAE213 Electrical Circuits I

3 credits; 3 hours

Students are introduced to the analysis of basic AC and DC circuits containing resistors, inductors, capacitors, and both independent and dependent sources of voltage and current. Voltage division and current division yield simplified analysis of resistors (impedances) in series and in parallel, respectively. Thevenin's and Norton's theorems are used to determine equivalent subcircuits. Differential equation techniques are presented to simplify the analysis of AC circuits.

Prerequisite: SCP231, MAT203

MAE219 Thermodynamics I

3 credits; 3 hours

This course introduces students to basic physical concepts and applications of thermodynamics, and to their consequences for engineering processes and operations. Emphasis is placed on the first and second laws. Properties of pure substances are studied, along with basic principles governing transformations of energy, particularly heat, and work. Behavior of mixtures of gases and vapors and air conditioning are considered. An elementary introduction to cycles (Carnot cycle, reversibility, power and refrigeration cycles) completes the course.

Prerequisite: SCP232, SCC201, MAT203, MAT204

Mathematics Courses

MAT095 Introduction to Algebra

0 credit; 6 hours (5 lecture, 1 lab)

(Equivalent to First Year Institute USM095)

This course has a problem-solving approach that emphasizes the importance of mathematical reasoning in addressing real-world problems drawn from diverse disciplines. Topics include arithmetic (signed numbers, fractions, decimals and percents), elementary algebra (solving first degree equations and inequalities, rules of exponents, equations of lines) and basics of geometry (area of perimeter) as well as numeracy (estimation, unit analysis). The course is intended for students with little or no algebra background.

Admission to the course is based on placement test scores.

MAT096 Elementary Algebra

0 credit; 6 hours (5 lecture, 1 lab)

(Equivalent to First Year Institute USM096 or USM097)

This course provides a careful treatment of elementary algebra, beginning with the line/linear equation, ending with the parabola/quadratic equation, and emphasizing the interplay between geometric and algebraic representation. Topics include graphing, systems of linear equations, functional concepts, rules of exponents, polynomial algebra, factoring, rational expressions, complex fractions, radical expressions and the quadratic formula. Applications to linear and quadratic modeling are featured.

Admission to the course is based on placement test scores.

MAT103 Early Concepts of Math for Children

3 credits; 3 hours

This course combines theory with practical aspects of how children learn mathematics. Students learn how to help young children to develop numerical relationships and geometric patterns. This course is of particular value to Child Development majors, prospective elementary school teachers and parents.

Prerequisite: CSE099, MAT096

MAT104 Mathematics in Elementary Education

3 credits; 3 hours

This is the second course of a sequence devoted to the study of how children learn mathematics. The course examines the mathematics curriculum of the elementary school with an emphasis on how to teach it. Among the topics included are operations on rationals, geometry, measurement, and basic notions of statistics of particular value to prospective school teachers and paraprofessionals.

Prerequisite: MAT103

MAT106 Mathematics of Medical Dosages

2 credits; 2 hours

This course is designed for Nursing majors and will aid them in applying basic mathematical concepts to on-the-job situations. Students will learn the various techniques of calculations. These include conversions using metric, household and apothecary systems of measurement as well as the computational methods

used in the preparation of oral medication, solutions, parenteral therapy and pediatric dosages.

Prerequisite: MAT096; Corequisite: SCR110

MAT107 Mathematics and the Modern World

3 credits; 3 hours

This course introduces selected topics in mathematics which have significant application in other fields. For each topic studied, emphasis will be placed first on the mathematics itself, and then on one or more significant applications of the mathematics. Topics to be included will be chosen from the areas of number theory, algebra, probability and statistics, topology, computers and geometry.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT096

MAT115 College Algebra and Trigonometry

3 credits; 4 hours (3 lecture, 1 lab)

This course will start with a review of basic algebra (factoring, solving linear equations, and equalities, etc.) and proceed to a study of polynomial, exponential, logarithmic and trigonometric functions. These functions will be used in applications involving simple mathematical modeling where students will engage in inquiry activities aimed at improving critical thinking skills.

Prerequisite: MAT096, COMPASS scores of 35 or higher on the Pre-algebra portion and between 40 and 54 inclusive on the Algebra portion.

Note: A student may be placed in MAT200 with COMPASS scores of 35 or higher on the Pre-algebra portion and 55 or higher on the Algebra portion.

MAT120 Elementary Statistics I

3 credits; 4 hours (3 lecture, 1 lab)

This course presents the fundamental concepts and computational techniques of elementary statistics. Topics studied include statistical graphs, measures of central tendency, standard deviation, percentiles, probability, binomial and normal distributions, confidence intervals, hypothesis testing, and linear correlation/regression. Students will use a statistical software package to obtain basic sample statistics and graphs for data analysis. A graphing calculator will be used for routine computations.

Prerequisite: MAT096, COMPASS scores of 35 or higher on the Pre-algebra portion and 40 or higher on the Algebra portion.

MAT121 Elementary Statistics II

3 credits; 3 hours

As a sequel to MAT120, this course develops the methods of statistical inference including experimental design, sampling, estimation, hypothesis testing and decision making.

Prerequisite: MAT120

MAT132 History of Mathematics

3 credits; 3 hours

This course serves as an examination of the theoretical developments of mathematics from antiquity to the end of the last century. Mathematical thought will be studied in relation to the social, economic and technological forces of various crucial periods. Among

the topics treated historically are systems of numeration, logic, geometry from Euclid through Riemann, and the development of the modern computer beginning with primitive instruments.

Prerequisite: ENA/ENG/ESA099/ENC101, MAT096

MAT200 Precalculus

4 credits; 5 hours (4 lecture, 1 lab)

This course is intended as a preparation for the study of Calculus. Functions and their graphs will be analyzed theoretically within a framework that emphasizes their roles in applied settings. Particular attention will be placed on polynomial, exponential, logarithmic and trigonometric models. The use of graphing utilities as analytical tools will be emphasized. Each student is required to have a graphing calculator.

Prerequisite: MAT115, COMPASS scores of 35 or higher on the Pre-algebra portion and 55 or higher on the Algebra portion.

MAT201 Calculus I

4 credits; 4 hours

This course is the first of a three-course sequence designed to provide students with an appreciation of the usefulness and power of calculus. The course covers the fundamentals of the differential calculus of elementary functions and includes an introduction to integral calculus. Among the topics studied are limits, derivatives, applications of the derivative and integrals.

Prerequisite: MAT200

MAT202 Calculus II

4 credits; 4 hours

This is a course designed to provide students with an appreciation of the usefulness and power of calculus. Emphasis will be placed on the application of calculus to various disciplines. Among the topics studied are the definite integral, area, formal integration and applications of integration.

Prerequisite: MAT201

MAT203 Calculus III

4 credits; 4 hours

This is the third course in the calculus sequence and is designed to build upon the concepts and techniques of MAT201-202 and to provide a more rigorous conceptual grounding for the entire calculus sequence. Topics to be covered include limits and continuity, indeterminate forms, infinite series, the Taylor expansion and applications, solid geometry, the calculus of several variables, and an introduction to partial derivatives.

Prerequisite: MAT202

MAT204 Elementary Differential Equations

4 credits; 4 hours

This course considers selected problems and mathematical models which generate ordinary differential equations. Both numerical and analytical methods will be used to obtain solutions. Geometrical interpretation of differential equations will be emphasized, and where feasible, solutions utilizing computer methods will be explored. Topics also include boundary-value problems, linear systems, and Laplace Transforms. Applications to classical

mechanics and electric circuits will be examined.

Prerequisite: MAT202; *Pre- or Corequisite:* MAT203

MAT210 Linear Algebra

3 credits; 3 hours

This course is designed to introduce students to the theory and applications of algebraic structures by focusing on the solutions of systems of linear equations. The algebraic properties of these solutions will be analyzed and generalized in the theory of vector spaces. Matrices will be treated both as computational aids and as objects possessing algebraic structure in their own right. Major applications will be developed, including project(s) on various topics using linear algebra techniques and computer software.

Prerequisite: MAT201 or MAT242

MAT221 Introduction to Probability

4 credits; 4 hours

This course is an introduction to the theory of probability. The topics studied are basic theorems of probability, permutations and combinations, discrete and continuous random variables, univariate and multivariate probability distributions, jointly distributed random variables, independent identically distributed random variables, moments, moment-generating functions, the central limit theorem, laws of large numbers, confidence interval, hypothesis testing, chi-square methods, and simple linear regression.

Prerequisite: MAT203

MAT230 Introduction to Discrete Mathematical Structures

4 credits; 4 hours

This course covers mathematical concepts essential for continued study in computer science and related fields. Topics of study include: set theory, propositional calculus and rules of reasoning, algorithms and complexity, elementary number theory including applications, recursion, counting principles with applications and graph theory.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT096

Pre- or Corequisite: MAT201

MAT241 Technical Mathematics I

4 credits; 4 hours

This course helps students to appreciate the usefulness of mathematics in today's technical world. The concepts of college algebra and trigonometry are presented with emphasis on their applications in science and technology. Topics include analytic geometry, trigonometry, exponential and logarithmic functions and their graphs, system of linear equations, matrices and complex numbers.

Prerequisite: MAT096

MAT242 Technical Mathematics II

4 credits; 4 hours

This is the second course in the Technical Mathematics sequence. Scientific methods of differential calculus are developed and applied to solving practical problems. Topics include differentia-

tion and integration of algebraic, exponential, logarithmic and trigonometric functions, curve sketching, rectilinear motion, extrema, area and volume.

Prerequisite: MAT241

Natural and Applied Sciences Department

In 2009, the Natural and Applied Sciences Department was divided into two departments, Health Sciences and Natural Sciences. The following programs/areas were assigned to Health Sciences:

- > Dietetics
- > Health
- > Human Services
- > Nursing
- > Occupational Therapy
- > Paramedic
- > Physical Therapy
- > Science
- > Veterinary Technology

The following programs/areas were assigned to Natural Sciences:

- > Biology
- > Chemistry
- > Physical Sciences

Natural Sciences Department

Department Faculty

Burl Yearwood, Chairperson, Olga Calderon, Alfredo Cifuentes, Sarah Durand, Tahereh Entezari Zaher, James Frost, Carol Haspel, Nalband Hussain, Dionne A. Miller, Howard Motoike, Jaime Nieman, Sidney Noelle, Thomas Onorato, Preethi Radakrishnan, Armando del Rio, Ivan Rivera-Torres, Karim Sharif, Lhamo Tshering, D. Priyantha Wijesinghe, Boris Zakharov

Biology

SCB101 Topics in Biological Sciences

3 credits; 4 hours (2 lecture, 2 lab)

This course gives an introduction to the scientific method the origin and organization of life and reproduction and ecology. The relevance of modern biological theory to human life in particular areas will be emphasized using selected topics such as urban pollution and population control.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT096

SCB115 Principles of Biology

4 credits; 6.0 hours (2 lecture, 3 lab, 1 recitation)

This is a one-semester laboratory-based course in biology stressing general concepts and amplifying them through a study of the

human organism. The scientific method of thinking will be emphasized. Topics will include biological chemistry, cell structure and function, classical and molecular genetics, evolution and ecology, and homeostasis will be explored in the context of human biology. Laboratory exercises will include chemical analyses of nutrients, microscope slides and dissection of the fetal pig.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT096

SCB160 Food Microbiology

4 credits; 6 hours (3 lecture, 3 lab)

This course is an introduction to the science of food with emphasis on microorganisms which affect it. Digestive processes and fundamental chemistry of food are studied, as well as the complex interactions which exist between food and microorganisms, including handling, preparation and storage. The laboratory will focus on morphological and physiological characteristics of microorganisms associated with contamination, spoilage, preservation and food-borne disease. This course does not fulfill the Dietetic Technology General Microbiology requirement.

Prerequisite: SCD100

This course satisfies the New York City Department of Personnel requirement for the foods course for eligibility for School Lunch Manager.

SCB201, 202 Fundamentals of Biology I and II

4 credits; 6 hours each (3 lecture, 1 recitation, 2 lab)

This course is an integrated two-semester laboratory-based sequence, stressing major concepts of biology designed to assist the student in relating these concepts to the environment. The scientific method of thinking and the experimental approach will be stressed. Among the topics studied are: SCB201: Cellular and molecular basis of life, heredity, and the evolution of life. SCB202: Survey of the kingdoms, organismic anatomy and physiology with emphasis on the human system, the principles of ecology, and problems of population.

Prerequisite for SCB201: CSE099, ENA/ENG/ESA099/ENC101, MAT096;

Prerequisite for SCB202: SCB201

SCB203 Human Anatomy and Physiology I

4 credits; 6 hours (3 lecture, 3 lab)

Part one of a two semester introduction to human anatomy and physiology that examines the relationships between structure and function of organs and organ systems in the maintenance of normal function in the whole organism. The lab includes experimental activities, microscopy and gross anatomy. Dissections and clay modeling will be used to study select organ systems. Lecture topics include the integumentary, skeletal, muscular, cardiovascular, respiratory, lymphatic and immune systems.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT096

SCB204 Human Anatomy and Physiology II

4 credits; 6 hours (3 lecture, 3 lab)

Part two of a two semester introduction to human anatomy and physiology that examines relationships between structure and function of organs and organ systems in the maintenance of

normal function in the whole organism. The laboratory includes experimental activities, microscopy and gross anatomy. Rat dissections will be used to study select organ systems. The major organ systems covered include the nervous, endocrine, digestive, urinary and reproductive systems.

Prerequisite: SCB203

SCB208 Vertebrate Anatomy and Physiology 1

2 credits; 3 hours (1 lecture, 2 lab)

This course introduces the student to the evolution, anatomy and physiology of the major vertebrate classes. Emphasis is placed on the taxonomy and characteristics of vertebrates. Muscle and bone organization and the physiology of contraction are also covered in depth. In the laboratory, students have the opportunity to dissect representative non-mammalian vertebrates.

Prerequisite: SCN101 for students in Veterinary Technology Program, SCB202 for all Associate in Science students, SCC140

SCB209 Vertebrate Anatomy and Physiology 2

3 credits; 4 hours (2 lecture, 2 lab)

This course is a continuation of Vertebrate Anatomy and Physiology 1. Major organ systems are discussed while emphasis is placed on mammalian anatomy and physiology. In the laboratory, students have the opportunity to view these systems through the dissection of a cat.

Prerequisite: SCB208

SCB240 Biotechnology I

2 credits; 4 hours (1 lecture, 3 lab)

Biotechnology is the application of recombinant DNA technology to living systems. Biotechnology I is an introductory laboratory course which will allow the student to learn some of the basic techniques used in molecular biology and recombinant DNA laboratories. This course will include basic applications of gel electrophoresis and interpretation of restriction enzyme cleavage patterns of DNA, including DNA fingerprinting.

Prerequisite: SCB201 or SCB208 or SCC201

SCB252 Fundamentals of Biotechniques

2 credits; 4 hours

This is an intensive one-semester laboratory-based course in biotechniques. Students will learn how to form hypotheses, design experiments, analyze data, and review science literature. Students will perform techniques such as bacterial transformation, purification of nucleic acids, Polymerase Chain Reaction (PCR), electrophoresis, DNA microarray analysis, enzyme-linked immunosorbent assay (ELISA) and histological techniques, while learning the responsible conduct of research and bioethics.

Prerequisite: ENG101, MAT115, SCB201, SCC201

SCB255 Cell Biology

4 credits; 6 hours

This is an upper-level one-semester laboratory-based course stressing essential aspects of cell biology. Cell structure and function will be introduced. Topics to be covered include, but are

not limited to, membrane transport, protein sorting, vesicular trafficking, cytoskeletal components, chromatin remodeling, signal transduction, cancer, apoptosis and stem cells. Students, by conducting hypothesis-driven science, will be introduced to state-of-the-art techniques.

Prerequisite: ENG102, MAT200, SCB202, SCC202

SCB260 General Microbiology

4 credits; 6 hours (3 lecture, 3 lab)

This course offers an introduction to microorganisms found in nature, industry, and disease. The student is introduced to virology, bacteriology, immunology, epidemiology, pathology and other related areas of microbial physiology. The laboratory will deal with the isolation and identification of common pathogenic and nonpathogenic organisms utilizing techniques of staining, culturing, fermentation reactions and microscopic inspection.

Prerequisite: SCB202 or SCB204 or SCB209

Chemistry

SCC101 Topics in Chemistry

3 credits; 4 hours (2 lecture, 2 lab)

This course is a one-semester survey of the principles and applications of chemistry. Emphasis will be placed upon descriptive chemistry in areas such as food and drugs, synthetics and biological chemistry. Lecture and discussion will be complemented by laboratory experiments in which chemical principles and techniques are applied to the analysis and synthesis of familiar items. *Note:* This course is not open to students with credit in SCC140 or SCC201.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095

SCC140 Biological Chemistry

3 credits; 4 hours (2 lecture, 2 lab)

This course is an introduction to the chemical basis of life. Topics will include an introduction to basic chemical principles, atomic structure, bond formation and structure, and mechanisms in organic and biochemical systems. These will be related to the basic life processes of reproduction, development, growth, nutrition and health.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT096

SCC201 General Chemistry I

4 credits; 6 hours (3 lecture, 1 recitation, 2 lab)

This course is part I of a two-semester sequence covering concepts of General Chemistry. It is intended for students planning to major in science or engineering who require one year of chemistry. Among the topics studied are atomic structure, chemical bonding and reactivity, quantitative relationships in chemical reactions, thermochemistry and gases.

Prerequisite for SCC201: CSE099, ENA/ENG/ESA099/ENC101, MAT115

SCC202 General Chemistry II*4 credits; 6 hours (3 lecture, 1 recitation, 2 lab)*

This course is part II of a two-semester sequence covering concepts of General Chemistry. It is intended for students planning to major in science or engineering who require one year of chemistry. Among the topics studied are: liquids, solids, solutions, acid-base theory, chemical kinetics, chemical equilibrium, chemical thermodynamics, electrochemistry and nuclear chemistry.

*Prerequisite: SCC201***SCC205 Introduction to Chemistry***4 credits; 6 hours (3 lecture, 3 lab)*

This course serves as an introduction to chemistry. It is intended for students who require one semester of laboratory based science. Topics include measurements, atomic structure, the Periodic Table, ionic and molecular compounds, stoichiometry, energy, physical states of matter, solutions, acids and bases. This course does not fulfill the requirements for students planning to apply to the pre-health or veterinary programs at LaGuardia.

*Prerequisite: CSE099, ENA/ENG/ESA099/ECC101, MAT115***SCC210 Foundations of Chemistry***4 credits; 6 hours (3 lecture, 3 lab)*

This course presents essential facts, laws, and theories of general chemistry. Topics include measurement and significant figures, atomic structure, elements and compounds, chemical reactions, stoichiometry, solutions, acid and bases, nuclear radiation, and classification of simple organic compounds according to functional groups. The laboratory component is designed to illustrate the fundamental laws and techniques of general chemistry. The course addresses the needs primarily of allied health students.

*Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT096***SCC251, 252 Organic Chemistry I and II***5 credits; 7 hours each (3 lecture, 4 lab)*

This course is a two-semester sequence emphasizing the synthesis, structure, reactivity, and mechanisms of reaction of organic compounds. Laboratory stresses synthesis, purification, separation and identification of compounds.

SCC251: Aliphatic and aromatic hydrocarbons; stereochemistry.

SCC252: Alcohols, ethers, aldehydes, ketones, carboxylic acids, amines, heterocycles biomolecules.

*Prerequisite for SCC251: MAT096, SCC202**Prerequisite for SCC252: SCC251***Environmental Science****SCG150 Introduction to Geographic Information Systems***4 credits; 3 hours lecture, 3 hours lab*

This course covers the entire Geographic Information Systems production process from data acquisition and modeling to editing, analysis and cartographic output. Lectures will introduce the theory of GIS science and laboratory classes will familiarize students with GIS software needed to accomplish the course

objectives. The course will use data collected by students participating in the Newtown Creek analysis project, among other data sources, for a final mapping exercise.

*Prerequisite: ENC/ENG101, MAT096***SCG250 Environmental Science***4 credits; 3 hours lecture, 3 hours lab*

Environmental Science is the capstone course of the Environmental Science major. The course integrates biological, chemical and physical concepts with service learning. Understanding the earth as a dynamic system and addressing local environmental issues will be emphasized. Lab and field analysis of locally collected water, soil and air samples will be conducted as part of a team research project.

*Prerequisite: ENC/ENG101, MAT200, SCG150**Pre- or Corequisite: SCB260, SSE104, SSE250***SCB265 Fundamentals of Ecology***4 credits; 3 hours lecture, 3 hours lab*

This course is a comprehensive introduction to ecology. Students will be introduced to the kinds of questions asked by ecologists, the principal concepts and theories that guide ecological inquiry and the methods that are used to answer ecological questions. Particular emphasis will be paid to population, community and ecosystem level processes and both terrestrial and aquatic systems will be considered. The practical component of the course will include laboratory exercises as well as field work.

*Prerequisite: SCB202, SCC202***Physical Sciences****SCP101 Topics in Physical Sciences***3 credits; 4 hours (2 lecture, 2 lab)*

This course consists of a survey of the major concepts in physics, astronomy, chemistry, and geology. The physics section includes the theory of motion (kinematics); the law of conservation of energy; different forms of energy, especially electrical and atomic; and the laws of wave motion and optics. The astronomy section deals with both planetary and stellar astronomy. The unit on chemistry emphasizes the structure of atoms and their combination into molecules. Finally, the segment on geology centers on the theory of plate tectonics and how it is used to explain phenomena such as earthquakes and volcanoes.

*Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095***SCP140 Topics in Astronomy***3 credits; 4 hours (2 lecture, 2 lab)*

This course surveys modern astronomy with special emphasis on recent developments in space and astrophysics. Among the topics to be covered will be planetary astronomy and geology, the moon, the possibility of life on other worlds, energy production in stars,

stellar evolution, pulsars, quasars, “black holes” and cosmology. Laboratory periods will include field trips to planetariums and observatories in the N.Y.C. area. Students should expect field trip expenses of about \$20.00.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT096

SCP201, 202 Fundamentals of Physics I and II

4 credits; 6 hours each (3 lecture, 1 recitation, 2 lab)

Fundamentals of Physics I and II are together a two-semester sequence covering the basic laws of physics with an emphasis on laboratory experience and mathematical solutions of problems. This is a basic course for students intending to continue their studies in the physical and biological sciences, since more advanced courses in the natural sciences assume knowledge of this material. Among the topics studied are: SCP201: The basic concepts of mechanics; kinematics; Newton’s gravitation; conservation of momentum and energy; heat, emphasizing the kinetic theory; and electrostatics (charge, forces, fields, electrical energy.) SCP202: The basic concepts of electrodynamics (currents and magnetism, electromagnetism); optics (wave theory, lenses); and modern physics (relativity, atomic theory, quantum mechanics.)

Prerequisite for SCP201: CSE099,

ENA/ENG/ESA099/ENC101, MAT096

Prerequisite for SCP202: SCP201

SCP231 General Physics I

4 credits; 6 hours (3 lecture, 3 lab)

This is the first part of a computer-based physics course intended for students who want to major in science, computer science or engineering. Computers will be used in the laboratory in conjunction with traditional equipment for problem solving, data collection, and analysis. Topics covered include vectors, Newton’s laws, equilibrium, rectilinear motion, two-dimensional motion, gravitation, Kepler’s laws, work and the work-energy theorem, rotational motion, simple harmonic motion, the physics of fluids, and heat. This course is the first course in a two course calculus-based physics sequence (SCP231-232).

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT201

SCP232 General Physics II

4 credits; 6 hours (3 lecture, 3 lab)

This is the second part of a computer-based physics course intended for students who want to major in science, computer science or engineering. Computers will be used in the laboratory in conjunction with traditional equipment for problem solving, data collection and analysis. Topics covered include waves, wave motion, light propagation, geometrical optics, interference and diffraction, electric field and potential, capacitance and dielectrics, magnetic fields and forces, direct and alternating current, Ohm’s law and electromagnetic waves. This course is the second course in a two-course sequence (SCP231-232)

Prerequisite: MAT202, SCP231

Social Science Department

Room E235 (718) 482-5785

Social Science courses examine why people behave the way they do; why society is the way it is; who has power, wealth, and prestige; and how they got them. Many of the courses emphasize the themes of ethnicity, class, gender, and power through which students can better understand themselves, society, and the world in which they live. The department offers interdisciplinary courses as well as courses in anthropology, economics, history, political science, psychology, sociology and urban study.

Department Faculty

Lily Shohat, Chairperson; Gilberto Arroyo, Lakshmi Bandlamudi, Lara Beaty, Vanessa Bing, Bojana Blagojevic, Lorraine Cohen, Timothy Coogan, Nurper Gokhan, Solomon Kone, Steven Lang, Richard K. Lieberman, Arianna Martinez, Janet Michello, Karen Miller, Vince Montes, Sreca Perunovic, Joanne Pierre-Louis, Joanne R. Reitano, Lawrence Rushing, Shara Sand, John Shean, Maritza Straughn-Williams, George Sussman, Eduardo Vianna, Jennifer Wynn

Anthropology

SSA100 Introduction to Anthropology

3 credits; 3 hours

In this course, students will be introduced to the fields of anthropology-physical anthropology, archaeology, cultural anthropology, and anthropological topics in linguistics. The aim shall be to explore the origins and development of some of the world’s hunter-gatherer, agricultural, peasant and industrial societies. Utilizing examples from both extinct and modern-day societies, the student will gain an appreciation of the wide diversity of human cultures.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

SSA101 Cultural Anthropology

3 credits; 3 hours

This course examines the similarities and differences found in the various types of human cultures and societies. It acquaints students with the basic concepts that help explain differences and similarities. The role of culture and language in determining human behavior is examined as is the interrelationship of aspects of behavior (economics, politics, family, and religion) in different types of societies. Patterns of cultural change will also be discussed.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

SSA106 Anthropology of Latin America

3 credits; 3 hours

This course will focus on the different peoples and cultures of Latin America, including Indian groups, rural communities of peasants, blacks and other plantation workers, urbanized

peasants, urban workers, new middle classes and elites. The social and cultural organization of each of these groups will be examined, particularly in their relationship to the larger society. The impact of the global economy on Latin American cultures will also be examined.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

SSA120 Peoples and Cultures of the Caribbean

3 credits; 3 hours

This course will survey the evolution of cultures in the Caribbean from the original formation of Native American societies through the age of European conquest, colonization and cultural dominance, to the contemporary period of national independence, and the revival of previously marginalized, subordinated cultures. The focus will be on analyzing the unique Caribbean economic, family, stratification, political, and cultural systems formed out of the fusion of Native American, European, African and Asian peoples and cultures.

Prerequisite: ENC/ENG101

SSN/HUN180 Introduction to Intercultural Communications

3 credits; 3 hours

The course introduces students to the dynamics of intercultural communication and enables them to communicate more effectively in multicultural settings. Through field trips, cultural research, and role-plays, students develop the skills needed to look objectively at other cultures. Using New York City as a laboratory, they gain experience identifying and analyzing dominant cultural patterns, thus improving their ability to understand the often perplexing behavior of people from cultures other than their own.

Prerequisite: MAT095, ENC/ENG101, HUC101 or HUL100, and one Social Science elective from the list on page 160.

This is a Writing Intensive course.

SSN182 Urban Anthropology

3 credits; 3 hours

This course examines urban culture and society in different parts of the world. It includes an examination of the role cities play in different societies, urbanization in developing societies, and a comparison of urban society and culture in developing societies with urban life in the United States. Field trips to sites in New York City such as new immigrant communities will be included to familiarize the students with recent changes in urban culture.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095, and one Social Science elective from the list on page 160.

This is a Writing Intensive course.

Criminal Justice

SSJ101 Introduction to Criminal Justice

3 credits; 3 hours

This course provides an introductory survey of the American criminal justice system and its four key components: police, courts,

corrections and the juvenile justice system. It will introduce students to the definition, measurement and causes of crime. General issues for consideration will include the role of discretion in the administration of criminal justice, due process, and contemporary changes in the American criminal justice system.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

SSJ102 Criminology

3 credits; 3 hours

This course explores the nature, causes and treatment of criminal behavior with an emphasis on classical and contemporary theories. The biological, social, psychological and environmental theories underlying crime and deviance are explored, as well as current approaches to punishment, treatment and prevention.

Prerequisite: ENC/G101, SSJ101

SSJ202 Corrections and Sentencing

3 credits; 3 hours

This course examines the policies and practices of the criminal justice system following the arrest and conviction of a crime, including correctional law. The historical development of correctional institutions and corrections and sentencing ideology are discussed, as well as the functions of agencies that provide correctional services: probation, jails, prisons, parole and intermediate sanctions. In addition, important controversies and major trends in contemporary correctional practice are explored.

Prerequisite: ENC/G101, SSJ101

SSJ203 Policing

3 credits; 3 hours

This course examines the historical development, present organization and multiple functions of policing. Readings based on theory and empirical research will examine key areas in policing including: recruitment and training; stress and hazards of policing; police subcultures; methods of policing; criminal investigation; legal concerns; police accountability, ethics and corruption; community policing and police-minority relations.

Prerequisite: ENC/G101, SSJ101

SSN204 Crime and Justice in Urban Society

3 credits; 3 hours

This course examines critical issues concerning crime and justice in urban settings. Some issues are current and topical, applying to the contemporary urban crime scene; others persist across generations. Themes explored include fear, crime and the city; social disorganization; prisoner reintegration; policing, gangs and gun control; and drug laws. This course will be a writing intensive and e-portfolio course with an experiential component.

Prerequisite: ENC/G101, SSJ101

This is a Writing Intensive course.

Economics

SSE103 Introduction to Microeconomics

3 credits; 3 hours

This course will study price determination and distribution under alternative market structures as well as government intervention in the market. A comparison of the market economy to alternative systems will also be examined.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT096

SSE104 Introduction to Macroeconomics

3 credits; 3 hours

This course will examine what determines the aggregate level of economic activity. The levels of production, employment and prices will be studied in relationship to aggregate expenditures. Institution arrangements of monetary and fiscal policy to address unemployment and inflation will also be covered.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT096

SSE105 International Economics

3 credits; 3 hours

This course introduces students to the allocation of resources in the world economy. Specifically, students will examine how capitalist and socialist countries manage their resources. In addition, students will learn about major issues in international trade and finance, economic development in third world countries, pollution and the environment, defense spending, and the economics of energy.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT096

SSE125 World Geography

3 credits; 3 hours

The course studies the influence of physical features and climates of the world on human activities, production, distribution, and other economic activities. Emphasis is placed on the location and distribution patterns of the world's resources and their uses. Topics studied include urban geography, geopolitics of oil and gas, and preparation and interpretations of maps by physical features and cultural aspects.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095

SSN189 The Urban Economy

3 credits; 3 hours

This course examines key economic problems facing cities and urban neighborhoods, particularly those of New York City. The students will study how supply and demand, land use, taxation, national product, unions and state and federal policies affect the local economy. Through visits in their neighborhoods, and such places as the Office of Economic Development and the Stock Exchange, students will apply the above concepts to local issues of employment, housing, transportation and business activity.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095, and one Social Science elective from the list on page 160

This is a Writing Intensive course.

History

SSH101 Themes in American History to 1865

3 credits; 3 hours

This course will focus on the major themes in American History from the colonial period to the Civil War. Topics such as slavery, women's roles, expansion, urbanization, reform movements, and the development of the American character will be examined in this course.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

SSH102 Themes in American History Since 1865

3 credits; 3 hours

This course will examine American history since 1865. Such topics as industrialization, labor unions, immigration, organization, political parties, reform movements, foreign policy, and the rise of the U.S. as the major force in the world will be covered in this course.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

SSH103 Western Civilization from Ancient Times to the Renaissance

3 credits; 3 hours

This course investigates the main features of human civilization from ancient times to the Renaissance. The importance of geography, religion, custom and ideology are explored for the purpose of capturing the spirit of the past as well as understanding its relationship to the present.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

SSH104 Western Civilization from the Renaissance to Modern Times

3 credits; 3 hours

This course discusses the major ways in which Western society has changed over the past 250 years. It covers the scientific revolution, the industrial revolution, and the major political revolutions. It also explores the impact of ideas such as liberalism, Marxism, Darwinism, Nazism and Freudianism. The two World Wars and prospects for world peace are examined.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

SSH105 World History from Ancient Times to 1500

3 credits; 3 hours

This course is an introduction to world history from the earliest human records to the renewal of contact between the Eastern and Western hemispheres around 1500 C.E. Students will read primary and secondary sources related to the political, economic, social and cultural history of humanity with emphasis on the comparative development of civilization, the role of nomadic and pre-literate societies, and the interactions among different peoples and civilizations.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

SSH106 World History from 1500 to the Present

3 credits; 3 hours

This course is an introduction to world history from around 1500 C.E. to the present. Students will read primary and secondary

sources related to the political, economic, social and cultural history of humanity in the modern era, including such topics as the development of the nation-state, industrialization, world trade, imperialism, democratic, socialist, and nationalistic revolutions, the position of women in society, population growth, and changes in the human environment.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

SSH110 East Asian Civilization and Societies

3 credits; 3 hours

This course concentrates on one of the oldest continuous civilizations in the world, East Asia, which includes, in geographical and cultural terms, the domains of China, Japan, Korea and Vietnam. Using both chronological and topical approaches, the course examines historical and social development in East Asia. Topics include the dynastic transition, economic structures, social organizations and customs, as well as the scholarly and artistic traditions in East Asia. Throughout the course, students learn to appreciate the richness of East Asian culture and gain a knowledge of the growing political and economic power of this region.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

SSH231 Afro-American History

3 credits; 3 hours

This is an introduction to some of the basic issues in the black American's struggle against slavery and racist oppression in the United States. Special attention is given to the following: the methods that blacks have used in their attempts to bring about social change; important persons and institutions from the African beginning to the present; and the contributions blacks have made to American society.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

SSH232 Survey of Latin America and Caribbean History

3 credits; 3 hours

This course begins with a study of the interaction between the Indian, European, and African peoples who shaped the history of Latin America and the Caribbean. It then considers the colonial period, the Independence movements, and the challenge of modernization in selected Latin American and Caribbean nations. The relationship between Latin America and the United States will also be discussed.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

SSN183 History of Minorities

3 credits; 3 hours

This course focuses on the experiences of and challenges to minorities in the United States. It examines changing patterns of the immigration, settlement, and employment of various minority groups including Afro-Americans, Irish-Americans, Hispanic-Americans and Asian-Americans. In addition, the situation of the Native Americans, women, gays and the aged will be discussed in an historical context.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095, and one Social Science elective from the list on page 160

This is a Writing Intensive course.

SSN199 Neighborhood History

3 credits; 3 hours

This course will study the social, economic, and political changes of New York City neighborhoods. The focus will be on the people who migrated into, lived, and then moved out of these neighborhoods. Through field research, students will look closely at such things as immigration, housing, businesses, government legislation, and mass transit lines that have significantly affected neighborhood changes. The course will include field trips such as walking tours and a visit to Ellis Island.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095, and one Social Science elective from the list on page 160

This is a Writing Intensive course.

SSN240 History of New York City

3 credits; 3 hours

This course is about the development of New York City from colonial times to the present. It deals with changes in housing, transportation, immigration, politics and social classes. The rise of New York City as a financial and cultural center will be discussed. New York City's current problems and future prospects will be assessed. The course includes a walking tour of old New York and a museum trip.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, and one Social Science elective from the list on page 160

This is a Writing Intensive course.

Political Science

SSP101 U.S. Power and Politics

3 credits; 3 hours

This course analyzes the relationship between the theory, form, and practice of American government. The course studies the strengths and weaknesses of the American political system. A major concern of the course is the nature of power in America and the options for reforming the American political system.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

SSP200 Global Politics

3 credits; 3 hours

This course will investigate the dynamics of global politics among nation states and other actors in global affairs. After an introduction to the international system and globalization, the class will study major international relations theories and use them to analyze current and past events in global politics. The course will explore various global issues including war, terrorism, genocide, security, peacebuilding, development, human rights, free trade etc. Students will focus on case studies of their choice.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

SSP220 Politics of Latin America and the Caribbean

3 credits; 3 hours

This course will examine the major groups which seek power in Latin America and the Caribbean, and analyze the various strate-

gies they use including revolution, populism, democratic reform, socialism and military authority. The prospects for modernization will be drawn from a variety of Latin American and Caribbean countries. The course includes discussion of the role of foreign nations in the politics of this area.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095

SSP240 Crime and Punishment

3 credits; 3 hours

This course deals with the purposes and problems of penal systems, old and new, national and international. The course will investigate the relationship between the criminal, punishment, society and politics. Selected famous cases will be studied in detail as will the American criminal justice system and the issue of the death penalty.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

SSP245 Law and Human Rights in America

3 credits; 3 hours

This course will focus on the legal aspects of human rights issues in America. Starting with the origins of democracy and the Bill of Rights, students will explore major Supreme Court cases and Constitutional amendments dealing with such topics as freedom of speech, freedom of the press, freedom of religion, the right to vote, equality before the law, and the rights of the accused. Controversial contemporary issues such as abortion, privacy, and gun control will also be discussed in a legal context.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

SSP250 Political Ideas and Ideologies

3 credits; 3 hours

This course explores the relationship between political ideas and practice. Political ideologies such as liberalism, conservatism, socialism, and liberation ideologies (feminist, black and gay/lesbian) are examined in their historical development. The relationship between their goals and the methods used to achieve them is analyzed and criticized. The relevance of these ideologies for understanding current political issues is discussed. Readings include original theories of politics as well as commentaries upon them.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

SSN190 Leadership

3 credits; 3 hours

This course explores alternative leadership theories and styles. It focuses on leadership within the urban context and on the importance of New York City figures such as Boss Tweed, Fiorello H. LaGuardia and Shirley Chisholm. Special reference will be made to the particular leadership problems presented by cities. The course will include speakers and field trips to centers of leadership in New York City, either on the citywide or community level, in the public or private sector.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, and one Social Science elective from the list on page 160

This is a Writing Intensive course.

SSN192 Practical Politics in New York City

3 credits; 3 hours

This course examines New York City as a unique political entity within the context of urban politics in America. It explores the roles of elected officials, community boards, unions, minority groups and business interests in political decision making. The course includes guest speakers and field trips.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, and one Social Science elective from the list on page 160

This is a Writing Intensive course.

SSN210 The Politics of Sexuality

3 credits; 3 hours

This course explores how urbanization and socio-economic development have made sexuality a political issue. Topics are discussed from a cross-cultural perspective and include separation of sexuality from reproduction, AIDS, alternative definitions of family, the extent of personal freedom as compared with social control of sexual expression and others. Special attention is given to how these topics are addressed through feminist, religious, gay/lesbian and other movements. At least two field trips are required.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095, and one Social Science elective from the list on page 160

This is a Writing Intensive course.

Psychology

SSY101 General Psychology

3 credits; 3 hours

This course is an introduction to some of the major fields and theories in the science of psychology, covering a range of topics such as biological foundations, learning, cognition, emotion, perception, theories of personality, psychological disorders and their treatment and the research methods of psychology.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095

SSY105 Learning and Education: Childhood to Adolescence

3 credits; 3 hours

This course examines the principles of child development from birth through adolescence, and explores how cognitive, emotional, physiological and social changes impact learning. The role of culture, family, race, class and environment will serve as the framework for understanding development and the nature of intelligence and its implications for how children learn in school. Students will be taught research and child observation methods and how to apply these tools in diverse educational and community settings.

Prerequisite: ENC/ENG101

This is a Writing Intensive course.

SSY200 Personality

3 credits; 3 hours

Theories, methods, and selected issues in the field of personality

will be discussed in the context of achieving greater self-awareness and insight into the behavior of others. Among the topics discussed are: psychoanalytic, behavioristic and phenomenological theories of personality types and traits, the achievement of self-knowledge, psychological testing, and personality research methods.
Prerequisite: SSY101

SSY205 Psychology of Women

3 credits; 3 hours

This course will critically examine gender bias and gender exclusion in research and theory in psychology. The topics will include interconnections between biology and gender, focusing on the psychological factors of menstruation, sexuality, pregnancy, childbirth, motherhood, abortion and menopause. The course will focus on the experiences of women of different racial and ethnic backgrounds and examine how these biological functions shape their identity. Throughout the course, students will critically examine the social and political contexts that define women's bodies and familiarize themselves with critical feminist consciousness.

Prerequisite: SSY101

SSY210 Principles of Behavior Management

3 credits; 3 hours

This course will provide students with an overview of behavior modification principles which are based on theories of learning in relation to the acquisition, maintenance and modification of human behavior. The course focuses on the specific application of these principles to special needs populations. Topics will include assessment and data collection techniques, design of effective multicultural behavioral programs, and ethical issues in behavior treatment.

Prerequisite: ENC/ENG101, SSY101

SSY230 Abnormal Psychology

3 credits; 3 hours

This course introduces the major categories of psychological disorders and their symptoms, including diagnostic procedures, causal factors and treatment. Among the disorders covered are psychotic disorders, mood disorders, anxiety disorders, disorders of childhood and adolescence and personality disorders. Theoretical perspectives for understanding psychological disorders will also be discussed.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095, SSY101

SSY240 Developmental Psychology I

3 credits; 3 hours

This course will address the theories of development while providing critical review of the relevant empirical data from conception to adolescence. It covers various domains of development in the growing child—physical, cognitive, social and emotional realms. Implications for parenting and schooling will be discussed within a cultural-historical context.

Prerequisite: SSY101

SSY241 Developmental Psychology II

3 credits; 3 hours

This course examines the biological, psychological, and social changes in adults and the principles underlying these changes. The course explores such topics as social sex roles, self-identity, self-esteem, worker productivity, ideas and values. Students will learn about adult life crisis issues such as marriage, divorce, mid-life crisis, menopause, unemployment and aging.

Prerequisite: SSY101

SSY250 Social Psychology

3 credits; 3 hours

This course examines how the individual's personality is affected by the influences of other people and the physical environment. Among the topics discussed are: forming attitudes, conformity in groups, helping others, prejudice and environmental stress. Research methods will also be introduced.

Prerequisite: SSY101

SSY260 Group Dynamics

3 credits; 3 hours

This is an introduction to the theory, research and practice of group dynamics, and small group interaction in a variety of settings. Methods and techniques utilized in the investigation of small group processes will be demonstrated and critically examined. Through participation in role playing and small group interaction, students will be introduced to basic principles of interpersonal and group dynamics in families, in groups, and at work.

Prerequisite: SSY101

SSN184 Environmental Psychology

3 credits; 3 hours

This course explores the relationship between the urban physical environment and human behavior. Topics to be considered include the effects of personal space, noise, crime, crowding, architectural design and urban blight on the actions and feelings of urban dwellers. Two field trips in this course will be based on research projects aimed at understanding behavior in such urban settings as subways, parks and neighborhoods.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, and one Social Science elective from the list on page 160

This is a Writing Intensive course.

SSN280 Urban Black Psychology

3 credits; 3 hours

This course introduces students to psychological theories and issues relating to blacks in America. Emphasizing the shift from rural to urban environments, it examines the impact of slavery and racism on blacks. With special reference to New York City, the course investigates the relationship between black personality and family, education, work, culture and mental health. There will be field trips to Harlem and to a community mental health center.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, and one Social Science elective from the list on page 160

This is a Writing Intensive course.

Sociology

SSS100/SSB110 Introduction to Sociology: Contemporary Society

3 credits; 3 hours

This course offers students information and ideas with which to understand the social factors of human life. It places the study of social interaction, social processes, and social institutions in an historical context. It examines the human condition with particular reference to work, to culture, to personality, to ethnic, class, and gender relations, as well as to economic and political institutions. (SSB110 is the bilingual version of SSS100.)

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101

Prerequisite for SSB110: CSE099, ESL/ESR098

Pre- or Corequisite for SSB110: ESL/ESR099

SSD/BTC105 Computers and Society

3 credits; 4 hours

This course examines the relationship between human values, society, and technology. It begins with an explanation of how computers work and then investigates how technology affects such issues as jobs, privacy and education. Lab work is included.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095

SSI210 Women in Society

3 credits; 3 hours

The course will examine the role of women in society from historical and cross-cultural perspectives. It will examine women's psychological issues, economic functions, and their relationships to social institutions. The debates surrounding women at work, women in politics and women's movements will be discussed.

Prerequisite: ENA/ENG/ESA099/ENC101, SSS100 or SSB110

SSN103 Introduction to Labor and Community Organizing

3 credits; 3 hours

This course introduces social science perspectives on the theory and practice of labor and community organizing within the urban environment. Students analyze case studies that focus on struggles within a local and global context shaped by different kinds of social inequality including class, race, ethnicity, gender, age and sexual orientation. Students will learn about new models of organizing, and organizing as a career. The class will go on urban field trips and role-play organizing skills.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, and one Social Science elective from the list on page 160

This is a Writing Intensive course.

SSN186 Sociology of the Black Community

3 credits; 3 hours

This course is about the social dynamics of Black communities in urban America. With special reference to New York City, it examines the socialization process, the family, education and organizational life within urban Black communities. Current problems and future prospects for the urban Black community are discussed.

Field trips to communities such as Harlem and Bedford Stuyvesant are included.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095, and one Social Science elective from the list on page 160

This is a Writing Intensive course.

SSN187 Urban Sociology

3 credits; 3 hours

This course examines changing ideas about the city and the changing impact of the city on American lifestyles. With reference to New York City, the course explores the origins and the social structure of the city. It focuses on the relationship of class to family, gender, education, ethnicity, religion, politics and economics. Visits to housing projects, community organizations or service delivery agencies will familiarize the students with the issues of planning and change in the city.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095, and one Social Science elective from the list on page 160

Prerequisite for Computer Technology, and Engineering Science majors: CSE099, ENA/ENG/ESA099/ENC101, MAT095

This is a Writing Intensive course.

SSN/ENN193 Ideal Societies

3 credits; 3 hours

This course is designed to help students understand utopian movements in urban society from historical, psychological and sociological perspectives. This course will focus on both the causes for creating utopian experiments and the ways in which utopias approach family structure, religion, education, power and economic organization. Literary versions of utopian communities will be studied. Field trips may be taken to such places as Roosevelt Island and Shaker Village.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, and one Social Science elective from the list on page 160

This is a Writing Intensive course.

SSN194 Religion and Social Change

3 credits; 3 hours

This course will trace the evolution of traditional and nontraditional religions among various groups within the New York City religious community. The course will focus on Latin groups and Eastern religions as well as social action projects sponsored by mainline major denominational groups. Field interviews by students will be made.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095, and one Social Science elective from the list on page 160

This is a Writing Intensive course.

SSN202 Environmental Sociology

3 credits; 3 hours

This course examines sociological perspectives on the environment. It will explore how humans interact with and help to shape the environment. Special emphasis will be placed on the role that economics, politics, culture, science and technology play in urban environmental affairs. It will also apply basic sociological concepts such as social class, gender, race and ethnicity, inequality and con-

flict to environmental issues within urban settings.

Prerequisite: CSE099, ENA/ENG/ESA099/ENC101, MAT095

SSS102 Social Movements

3 credits; 3 hours

This course examines the political and cultural conditions and processes involved in the formation and functioning of social movements. Social movements are understood as the organized, collective efforts of people to influence the direction of social change. Against the background of a broad historical and cross-cultural perspective, emphasis will be on social movements in the USA, including the labor movement, the civil rights movement and the women's movement. There will be at least two field trips.

Prerequisite: ENA/ENG/ESA099/ENC101 and SSS100 or SSB110

SSS175 Sociology of Organizations

3 credits; 3 hours

This course will analyze the social structure and dynamics of large scale organizations such as the corporation, the government agency, and the labor union. It will examine the significance of these organizations in the larger world as well as investigate the social worlds which exist within these organizations. Through this course, the student will come to understand the interaction between individual personality and bureaucratic structure.

Prerequisite: ENA/ENG/ESA099/ENC101, SSS100 or SSB110

SSS185 Sociology of Education

3 credits; 3 hours

This course examines the social, cultural, political, and economic forces that have shaped the relationships between educational institutions and society. The course will look at such factors as family, economic status, community, conflicting perspectives on the nature and purpose of education, and the role of government. This course will also examine current debates in the field, including the role of teachers and teacher education.

Prerequisite: ENA/ENG/ESA099/ENC101, SSS100 or SSB110

SSS190 Sociology of the American Deaf Communities

3 credits; 3 hours

This course examines the concepts of culture and community and their applications to the deaf and hard of hearing communities. This inquiry leads to an understanding of the implications of culture and community for the individual and to an exploration of the current economic, political, and social issues with the deaf and hard of hearing communities, as well as future directions.

Prerequisite: ENC/ENG101, SSS100 or SSB110

SSS280 Sociology of the Family

3 credits; 3 hours

This course examines the contemporary American family from historical and cross-cultural perspectives. It considers sub-cultural variations within American society; the influence of industrial and technological changes on family life; relationship of socialization to personality development; programs to meet family needs; dating, courtship and marriage.

Prerequisite: ENA/ENG/ESA099/ENC101, SSS100 or SSB110

Social Science Course Prerequisite for Urban Study Courses designated SSN

One of the following courses:

- SSA100 Introduction to Anthropology
- SSA101 Cultural Anthropology
- SSE103 Introduction to Microeconomics
- SSE104 Introduction to Macroeconomics
- SSP101 U.S. Power and Politics
- SSP250 Political Ideas and Ideologies
- SSS100 Introduction to Sociology
- SSY101 General Psychology
- SSH101 Themes in American History to 1865
- SSH102 Themes in American History since 1865
- SSH103 Western Civilization from Ancient Times to the Renaissance
- SSH104 Western Civilization from the Renaissance to Modern Times
- SSH105 World History from Ancient Times to 1500
- SSH106 World History from 1500 to the Present
- SSH110 East Asia Civilization and Societies
- SSH231 Afro-American History
- SSH232 Survey of Latin American and Caribbean History

HEGIS Codes

All degree and certificate programs offered by LaGuardia Community College are registered with the New York State Education Department. Enrollment in other than registered or otherwise approved programs may jeopardize a student's eligibility for certain student aid awards.

The following is an official list of State approved programs, HEGIS (Higher Education General Information System) codes and approved degrees. LaGuardia Community College—New York State Institution No. 1100.

N.Y.S. Program Name	N.Y.S. Degree Approved	H.E.G.I.S. Code No.
Accounting	AAS	5002
Biology	AS	5604
Business Administration	AS	5004
Business Management	AAS	5004
Commercial Foodservice Management	AAS	5404
Commercial Photography	AAS	5007
Commercial Photography	CERT	5007
Communication Studies	AA	5606
Computer Operations	AAS	5105
Computer Programming and Systems	AAS	5103
Computer Science	AS	5103
Computer Technology	AAS	5105
Criminal Justice	AS	2105
New Media Technology	AAS	5199
New Media Technology Digital Arts	CERT	5199
Dietetic Technician	AS	5404
Childhood Education	AA	5649
Secondary Education	AA	5649
Education Associate: The Bilingual Child	AA	5503
Emergency Medical Technician/Paramedic	AAS	5299
Engineering: Civil	AS	5609
Engineering: Electrical	AS	5609
Engineering: Mechanical	AS	5609
Environmental Science	AS	5499
Fine Arts	AS	5610
Human Services: Child Development	AA	5503
Human Services: Gerontology	AA	5506.20
Human Services: Mental Health	AA	5216
Industrial Design	AAS	5303
Liberal Arts: Social Sciences & Humanities	AA	5622
Liberal Arts: Mathematics and Science	AS	5649
Mortuary Science	AAS	5299.20
Music Recording Technology	AAS	5399
Nursing	AAS	5208.10
Occupational Therapy Assistant	AAS	5210
Paralegal Studies	AAS	5099
Philosophy	AA	5620
Physical Therapist Assistant	AAS	5219
Practical Nursing	CERT	5209.20
Radiologic Technology	AAS	5207
School Foodservice Management	AS	5404
Spanish-English Translation	AA	5599
Travel, Tourism and Hospitality Management	AAS	5011.10
Veterinary Technology	AAS	5206
Word Processing Specialist Certificate	CERT	5005
Writing and Literature	AA	5615