

COURSE DESCRIPTIONS

AMERICAN STUDIES COURSES

All course offerings are contingent on budgetary allocations, faculty resources, and enrollment figures, and unless otherwise indicated, are offered in accordance with student demand.

Required courses are offered every year. Most courses are offered on a two year cycle. Some courses listed below are offered on varying schedules and are not necessarily offered each semester or each year. Students should not assume that 4000-level courses will be offered during the summer or winter sessions. 5000-level courses are not offered during the summer or winter sessions.

AS1152 Themes in U.S. History **4 cr.**

The course is an introduction to major issues in the history of the United States, from colonial times to the twentieth century. Topics may include: the origins of slavery and racism; industrialization and the growth of cities and suburbs; the growth of the American empire; movements for social change. Offered every semester.

AS1282 Introduction to African American Studies **4 cr.**

This is an introductory course in the themes and issues relevant to the inter-disciplinary field of African-American studies. Topics include: the origins and development of slavery and racism; African-American contributions to U.S. history; major African-American writers, artists, and thinkers; movements for political, racial, and economic equality. Offered occasionally.

AS1512 Introduction to Women's Studies **4 cr.**

Explores the development of women's lives, from childhood through adolescence to maturity. Focuses on the family, school, sexuality, and career options, and how these experiences and choices are affected by race, class, religion, ethnic origin, and gender. Readings include fiction, autobiography, history, and social science. Offered every semester.

***AS2020 New Media CE** **4 cr.**

Professional journalists are competing with a new type of amateur reporter: citizen journalists. Equipped with digital cameras and recorders these reporters cover their own communities posting multi-media content on-line. This course is an introduction to citizen journalism. Students collaborate in the creation of community-based new media projects. Offered every year.

AS2112 American People I **4 cr.**

History of the American people to 1877, which emphasizes the diverse experiences and perspectives of women, people of color, working people, and other historically marginalized groups. Topics include the American Revolution and the Constitution, the origins and development of slavery, the development of Northern capitalism, territorial expansion and displacement of Native Americans, and the conflicts which led to the Civil War. Novels and films supplement more traditional texts. Offered every semester.

Prerequisite: EC I.

AS2122 American People II **4 cr.**

History of the American people, 1865 to present, which emphasizes the diverse experiences and perspectives of women, people of color, working people, and other historically marginalized groups. Topics include Reconstruction, the Industrial Revolution and the growth of the corporation, the creation of the working class, World Wars and American expansion, Progressivism, the Depression and the New Deal, the rise of industrial unionism, the Cold War, and the Civil Rights movement and new challenges emerging with the rise of global capitalism. Novels and films supplement more traditional texts. Offered every semester.

Prerequisite: EC I.

AS2202 Contemporary U.S. Society **4 cr.**

An introduction to social, economic and political stratification in the United States. Sources and consequences of inequality are explored through an examination of educational, political, and occupational structures. Offered every year.

Prerequisite: EC I.

AS2262 African American History I **4 cr.**

This course examines the experiences of African Americans in the development of America from the Trans-Atlantic slave trade through the Civil War. Topics include plantation slavery, politics, economics, cultural production, gender and intellectual pursuits. Emphasis on major movements and figures as well as ordinary individuals. Offered every year.

Prerequisite: EC I.

AS2263 African American History II **4 cr.**

This course examines the experiences of African Americans in the development of America from 1865 through the twentieth century. Topics include Reconstruction, segregation, migrations, war, cultural production, entrepreneurship and the push for civil rights. Emphasis on social and cultural history across class and gender lines. Offered every year.

Prerequisite: EC I.

AS2300 Problems in US Environmental History **4 cr.**

This course examines the history of Americans' interactions with the physical environment of the current United States from the European colonial period to the present. Through assigned readings, class discussions, short films, short writing assignments, and speakers, we will consider 500 years of human occupation of North America and its environmental consequences. We will examine how natural environments have established parameters for human economic and social activity, as well as how human beings have interpreted and then reshaped their environmental surroundings in an effort to satisfy their perceived needs. In addition, we will study how different groups of Americans have interacted in their quest to manage, control and distribute the resources of the land, and the impact of "race" and gender on perceptions of our place in and relationship to the non-human environment. Offered occasionally.

Prerequisite: EC I.

AS2640 U.S. Latina/o History 4 cr.

This course will study the long history of Latina/os in the United States from the colonial era to the present, as well as explore important issues in Latina/o culture and politics. We will look in detail at the history of Mexican and Puerto Rican communities in the United States, and we will pay close attention to the impact of nationality, class, and gender in shaping Latina/o lives. This course will highlight the role of imperialism, racism, and nativism in structuring Latina/o opportunities in the United States, and will emphasize the social movements that Latinas/os have forged to resist such forces. Offered occasionally.

Prerequisite: EC II.

AS2652 Media Studies 4 cr.

How can we comprehend and critique the media that immerse us? Let's examine the media in the context of the political and social economies within which they were developed. Drawing on a broad range of cultural theories, this course addresses the functioning of media in a diverse and globalizing environment. A range of media is studied through scholarship and primary texts: art, movies, advertisements, interviews, novels, short stories, and photographs. Offered every year.

Prerequisite: EC I.

AS2700 The Engaged Eye 4 cr.

In this introductory course students are introduced to efforts by artists and reformers who use the camera for social change and social justice. The approach will be biographical and historical. Students will learn about the work of photographers such as Jacob Riis, Lewis Hine, and Dorothea Lange, along with more contemporary photographers, by placing their photographic projects within the context of the artist's life and times. Offered occasionally.

Prerequisite: EC I.

AS2802 Introduction to Journalism and Media 4 cr.

This introductory course presents journalism in all its forms: newspaper, television, radio, video, magazines, and new media. Students receive practical training in journalistic skills. They report and write news, feature stories, editorials, and reviews. The course also covers the history of American journalism and makes use of the college's TV studio and Radio station. Offered every semester.

Prerequisite: EC I.

***AS2812 Community Journalism Internship 4 cr.**

In this internship students work at community newspapers on Long Island and in New York City, to learn about journalism first-hand. Students meet regularly with the instructor to discuss and analyze their experiences. Each student prepares a portfolio from the internship and an essay on the experience.

Prerequisites: EC I; permission of instructor.

AS3100 American Studies Seminar 4 cr.

This course is designed for American Studies majors, or those contemplating an American Studies major. The course will build appreciation of American Studies as interdisciplinary study. In preparation for the 5000-level capping courses, this course builds students' analytic, research and writing skills. The American Studies Seminar focuses on a particular issue or theme, which will be announced each semester. Offered once each year.

Prerequisite: EC II or permission of instructor.

AS3222 Urban History 4 cr.

This course investigates urban history in the United States with a focus on the 20th century and on the role of race and ethnicity in shaping urban America. Using an array of scholarly texts, media, and primary source documents, this course will trace the social, economic, and cultural history of U.S. cities and the growth of their suburbs. Topics will include: the formation of early-twentieth century immigrant/ethnic communities and the advent of neighborhood segregation; the Great Migrations of African Americans to the urban North; white flight, suburbanization, and urban economic decline after WW II; urban "crisis" and radical anti-racism in the 1960s and 70s; gentrification, mass incarceration, and the rise of "Global Cities" toward the end of the century. Offered occasionally.

Prerequisite: EC II.

***AS3247 Video Production 4 cr.**

Learn basic video skills and produce, shoot and edit short videos. Gain experience with digital video cameras, microphones, lighting equipment, and the editing application Final Cut Pro while exploring how to use video as a communication tool and as a means of artistic expression. Learn to use moving images and sound to communicate in creative and effective ways, not to simply mirror television and commercial films. Offered yearly.

Prerequisites: AS2802; EC II.

AS3252 U.S. Social Movements 4 cr.

This course explores the causal conditions, nature, and impact of progressive social movements in America. Varying sets of activist biographies and social movement histories related either by period or theme will be selected for study. Possible topics include the abolition, temperance, feminist, peace, labor, civil rights, reproductive rights, and environmental movements. Offered occasionally.

Prerequisite: EC II.

***AS3255 TV Studio Production 4 cr.**

Working together in the College's television studio, students produce a variety of television programs. Students learn basic techniques in newscasting, scripting and production. They gain proficiency in the use of cameras, audio equipment and a special effects generator or switcher, and learn the fundamentals of lighting. Offered every year.

Prerequisites: AS2802; EC II.

AS3270 Africa in the Americas 4 cr.

This course will explore the history of these scattered populations of Africa, their dispersal to the various regions of the world, especially the Western hemisphere, the circumstances and institutions which shaped the evolution of these diaspora communities, and the continuing physical and emotional ties to Africa and Africans. The dispersal of black people from their homes in the continent of Africa to the diverse geographical sites all around the world is one of the more momentous, historical and sociological events in the trajectory of world history. Offered every year.

AS3310 From Citizen to Consumer 4 cr.

American society has transformed since its founding from a commercial outpost on the edge of the Atlantic to a complex industrial democracy. This course examines that transformation in light of its impact on notions of democracy, the work ethic and good citizenship and the shift toward a post-industrial empire of mass consumption and leisure. Using historical documents of political theorists, advocates and critics of consumerism, as well as social movements for consumer rights, alongside contemporary materials such as advertising campaigns and policy debates, students will explore how this change has altered our very notions of identity, democracy and citizenship. Offered occasionally.

Prerequisite: EC II.

AS3402 Women, Work and Careers 4 cr.

This course is an historical overview of women's work in the United States. It covers colonial times to the present system of sex-segregated work. It looks at developments in unpaid work such as housework and child rearing, as well as developments in work for wages, technology, unions, education, and social welfare. Changing career options for women is explored. Offered occasionally.

Prerequisite: EC II.

AS3412 African-American Women's History 4 cr.

This course focuses on the distinct experiences of African-American women in the 19th and 20th centuries. The course includes the experiences of women in slavery, social movements, abolition, anti-lynching, suffrage, civil rights, and Black Power as well as the writings and lives of the major figures. Offered occasionally.

Prerequisite: EC II.

AS3432 Women: Cultural Issues 4 cr.

An interdisciplinary course that looks at the lives of women across the world. Readings and materials focus on the variety of circumstances in which women live, the factors that directly influence their situation, the interaction between cultural constraints and existential possibilities, and women's efforts to change and improve their own and others' lives. In this course students also examine how women in multiple contexts utilize mass culture and develop new cultural forms to advance their interests. Offered occasionally.

Prerequisite: EC II.

AS3462 History of Women in the U.S. 4 cr.

This course surveys women's experience from 1620 to the present. The course analyzes women's connection to key aspects of American history such as the American Revolution, slavery and the 20th century development of the welfare state. This course posits women as agents of change in American history, but the course also examines how the study of women over time raises questions about traditional chronologies of American history. Students will be introduced to well-known and little known women and their individual and collective attempts to reshape American society through examination of diaries, autobiographies, fiction, government hearings and film. Offered occasionally.

Prerequisite: EC II.

AS3482 History of Love and Sexuality 4 cr.

This course examines the politics, psychology, and culture of sex and love in the past 2,000 years, as well as the material base of romance. The social constructions of love and sexuality are explored. Students read novels, poems, love songs, and soap operas, along with traditional historical materials. Special emphasis is given to ideas and practices of Greek, Roman, Christian, Victorian, and modern sexuality and romance. Topics include AIDS, rape, prostitution and pornography. Offered occasionally.

Prerequisite: EC II.

AS3622 Sports and Society 4 cr.

Explore the prominent place of sports in the United States and other societies. What is the relationship of sports to larger questions of identity, politics, economics, and history? The course illuminates how class, race, gender, sexuality, and nation interplay in our understanding of sports and culture. Offered occasionally.

Prerequisite: EC II.

AS3632 History of U.S. Film 4 cr.

A history of film in the United States from the 1890's to the present. It examines the social, political, economic, and cultural changes of different eras in relation to the emergence and popularization of modern cinema. Students must see and comment on all the films shown in the course. Offered occasionally.

Prerequisite: EC II.

AS3712 American Film Genres 4 cr.

An in-depth examination of classic genres of films in the United States. Genres studied may include silent comedy, the Western, the melodrama, the gangster film, science fiction, horror, and musical comedy. The course investigates the connection between genre forms and the development of Hollywood mythology and U.S. ideology. Offered occasionally.

Prerequisite: EC II.

AS3722 History of Mass Media**4 cr.**

Learn the history of the mass media. We will examine the parts played by government, private enterprise, social movements, and technology in the development of the major. In addition to the political economy of the media, the course will cover the conflicts over civil liberties, mass culture, advertising, and the rise of consumer culture in America. Offered every year.

*Prerequisite: ECII.***AS3732 Politics of Media****4 cr.**

Using a broad definition of politics –not only the world of elections or of governance, but of power relations in everyday life—this course examines how political structures affect the mass media, and how the mass media are a strong influence in politics. The ways in which the media promotes democracy and citizenship, but also constricts democracy, are central to the course. The branding of culture, corporate consolidation, and the images of women and minorities in the media are all examined, as are various forms of the media including film, the Internet, and television. Offered every year.

*Prerequisite: EC II.***AS3735 Documentary Media Studies****4 cr.**

What is reality? Can truth be captured and represented? Learn about documentary film, photography and new media projects from the birth of photography to today. Watch and critique seminal documentary projects. Explore documentary as political expression, entertainment, art, journalism, propaganda and self-portrait. Lectures, readings and discussions focus on forms and styles of non-fiction storytelling, the role of documentaries in society, and documentary ethics and practice. Offered occasionally.

*Prerequisite: EC II***AS3742 Myths and Images in Film****4 cr.**

This course examines the movies in terms of social myths and social values. It looks at representative films from the United States, Europe, Latin America and Africa. It explores film form as well as content and their relationship to each other. Offered occasionally.

*Prerequisite: EC II.***AS3745 Feminine and Masculine in Film****4 cr.**

This course examines the social, historical, and technological construction of film as a medium as well as the social and technological construction of gender. By looking at contemporary American films, students will reflect upon and critique the various representations of women and men, as well as those genders that refuse to conform. The intent of the class is to both expand an understanding of gender and to identify the ways in which film reinforces binary notions of gender and gender roles. Offered occasionally.

*Prerequisite: EC II.****AS3800 Writing for Media****4 cr.**

The course combines instruction in the craft of journalism and teaches students to write accurately and clearly and to meet deadlines. The basics of good reporting whether for print, broadcast, or internet journalism are stressed, including how to gather and verify information, where to look for stories, how to interview, how to use sources, and how to report in a fair and balanced manner. Students will write about and cover a variety of news events and issues. Offered every semester.

*Prerequisites: AS2802 or permission of instructor; EMS.***AS3810 Music and Media****4 cr.**

A history of American popular music: Follow changes in American musical culture from work songs and parlor pianos to auto-tune and streaming media. This course will cover the cultures, politics, and economics of music-making and profit-taking in the history of popular music, the music business, and the media in the U.S. Offered occasionally.

*Prerequisite: ECII.****AS3820 Radio Production and Editing****4 cr.**

Learn the basic techniques of radio production. Students will learn basic interviewing skills, studio production and mixing techniques, and how to manipulate digital audio recordings in post-production using industry editing software. Learn the basics of the three phases of production, including how to plan, script, create and edit radio content at the college radio station, OWWR, Old Westbury Web Radio. Offered every year.

*Prerequisite: AS2802 or permission of instructor; EC II.****AS3822 TV and Radio Journalism****4 cr.**

This course explores the history, the present situation and possible future of electronic journalism in the United States. It is also a practical course in which students work toward proficiency in television and radio journalism. They learn about -- and do -- newswriting, newscasting and, utilizing the College's television studio, join together in producing television programs. They also work on field reporting or electronic news gathering. There is training in the use of audio equipment, cameras and a special effects generator or switcher. The basics of editing using the College's television editing laboratory are explored. Students write papers which critique and compare news programs on television. Offered occasionally.

*Prerequisite: EC II.***AS3830 Public Relations and Society****4 cr.**

The course examines the role of public relations in the media, corporate culture, politics and society. This is an intermediate-level course that is designed for students who previously have not taken formal instruction in public relations. Students receive instruction in the basics of public relations and perform exercises intended to equip them with a working knowledge of the field. Offered every year.

Prerequisite: EC II.

AS3842 African-Americans and the Mass Media 4 cr.

Examines the participation of African-Americans in the development of mass media in the U.S. by looking at newspapers, magazines, books, radio, records, movies, and television. The course will explore the viewpoints of African-Americans through the mass media, how they are presented and represented, and how the white-owned media influences African-American images. Offered occasionally.

Prerequisite: EC II.

AS3852 Women and the Media 4 cr.

This course explores the ways women are depicted by the mass media and how that depiction has changed over time. It also investigates the role of women in the media professions. Offered every year.

Prerequisite: EC II.

***AS4150 Radio on the Air 4 cr.**

Acquire advanced production techniques and radio programming skills. Learn advanced interviewing skills, production and mixing techniques, and advance your digital audio recording and editing skills. Gain proficiency with programming, and monitor issues and trends in the industry. Students will produce a live weekly news and entertainment magazine radio show on the college radio station, OWWR, Old Westbury Web Radio. Offered every year.

Prerequisites: AS3820 or permission of instructor; EMS.

AS4160 Special Topics in Media Studies 4 cr.

Offers an in-depth exploration of a special topic in media studies, in an area defined by the instructor. Topics might include political campaigns and the media; the first amendment; public and private spheres in the digital age; "branding"; or a specific musical or film genre (such as a course in Rock and Roll, the Blues, or the Hollywood Musical). The course allows for a deeper theoretical, historical, institutional and/or political analysis of media and its power in American life. Students can take more than once as an Independent Study. Offered occasionally.

Prerequisite: EMS or permission of instructor.

AS 4170 Special Topics in American Studies 4 cr.

This course addresses a special topic in the history, society and/or culture of the U.S. The specific topic will be announced by the Department when offered. The course may be repeated for credit up to two times if course topic changes. Offered occasionally.

Prerequisite: EMS or permission of instructor.

AS4202 Internship in Government and Community 4-12 cr.

This internship is for students who would like experience working in politics, government, or community agencies. Students are placed to develop practical skills in public sector groups and agencies. Students compile a portfolio and 10-15 page essay on the experience. This is an excellent opportunity for students who think they might want to work in government or community affairs. Offered every semester.

Prerequisites: EMS and permission of instructor.

AS4212 Early America 4 cr.

An examination of U.S. society from the Native American experience to European settlement through the Jacksonian era. Topics include: Puritanism, origins and development of slavery, American Revolution, growth of market relations, and the historical relationship between forms of economic development, social, intellectual, and religious life and politics. Offered occasionally.

Prerequisites: AS2112 or permission of instructor; EMS.

AS4215 Critical Ideas in American History 4 cr.

This course examines the intellectual history of the U.S. from Puritanism to the present. Topics may include Religion, Democracy, Transcendentalism, Social Darwinism, Progressivism, Pragmatism, Conservatism, Socialism, Keynesianism and Feminism. Students will use historical documents and the works of major intellectual figures to explore the many facets of the American intellectual tradition. Offered occasionally.

Prerequisites: AS2112, AS2122 or permission of instructor; EMS.

AS4218 Civil War and Reconstruction 4 cr.

This course provides an in-depth examination of the coming of the Civil War, Reconstruction and the impact of these events on the development of American society afterwards. Topics covered include: slavery; abolitionism; sectional conflict; the emergence of tenant farming and debt patronage; the rise of Jim Crow; and constitutional guarantees and the limits of equality. Special attention will be given to issues of race, class and gender in considering the constitutional, political, economic, cultural and demographic changes that led to and followed from America's "Second Revolution." Films, novels, diaries, first person narratives and other primary sources will supplement historical works. Offered occasionally.

Prerequisites: AS2112, AS2122 or permission of instructor; EMS.

AS4222 The Emergence of Modern America 4 cr.

An exploration of social, political, economic and cultural life from the Civil War through the 1920's. Topics include the growth of the modern industrial system, the emergence of the corporation, immigration, migration, the development of the labor movement, consumer culture, populism, the rise of Progressivism, women's suffrage and the Harlem Renaissance. We will also explore the backlash against reform in the red scare following World War I. Offered occasionally.

Prerequisites: AS2122 or permission of instructor; EMS.

AS4250 Immigration Today 4 cr.

Since 1965 millions of new immigrants have landed on the shores and the airports of the United States. While often compared with earlier immigrants, they diverge from their predecessors in numerous and important ways. This course will explore several broad thematic

and theoretical issues in the changing nature of U.S. immigration. The aim is to introduce the students to a number of “conversations” and scholarship pertaining to where our society is now, relative to dealing with the political, economic, social and other demographic challenges which emanate from this immigration. Video and documentary presentations will be used to supplement the lectures and reading materials. Offered occasionally.

Prerequisites: AS2122 or permission of instructor; EMS.

AS4252 Immigration History 4 cr.

This course will examine the history of immigration to, and migration within, the United States from the colonial era to the present, including forced migrations, such as the African slave trade. We will consider the full range of the migration experience, including what compelled or inspired people to leave their homelands, the means of their migration, and how they settled in their new homes. In addition, we will look at the cultural transformations precipitated by immigration including the creation of ethnic identities, assimilation, and transculturation. Various forms of nativist sentiment and practice will be addressed, as well as migrant and ethnic resistance to nativism, racism, and exploitation. Offered occasionally.

Prerequisites: AS2112, AS2122, or permission of instructor.

***AS4260 New Media Newsroom 4 cr.**

Students will be immersed in an intensive, fast-paced environment that reflects real world experience in the media industry. Emphasis will be placed on writing, critical thinking, and creativity. The course will also explore the technical, philosophical, and practical elements of online journalism. By the end of this course students will have acquired a multitude of skills that will give them a competitive edge in the media field. Offered every year.

Prerequisites: AS2802; EMS.

AS4280 Global Media 4 cr.

The American media compete in a global market. American media have become a dominant source of information and entertainment world wide. The course will examine the role of the American corporate media in a world of increasing global political, economic, and cultural competition, and collaboration. It will also examine the rise of new media alternatives in reaction to the dominance of the global corporate media. Offered occasionally.

Prerequisite: EMS.

AS4282 America in War and Peace: 1898 to 2001 4 cr.

How does the American experience of war across the 20th century help us to comprehend the events of 9/11 and War on Terror in the 21st century? How has war affected our lives, the economy, politics and culture? Why did the United States become a world power in our war with Spain at the beginning of the 20th century? How has war shaped our nation at home and abroad ever since? We will discuss the political, economic, and cultural impact of American involvement in the Spanish-American War, World War I, World War II, the Cold War, the Korean War, Vietnam War and the Gulf War. Offered occasionally.

Prerequisites: AS2112, AS2122, or permission of instructor, EMS.

AS4283 America Between the World Wars 4 cr.

This course examines pivotal decades in twentieth century U.S. history from WW I through WW II. Selected topics include the Great Depression and the New Deal, the rise of America's administrative and welfare state; transitions in social reform traditions; women and youth cultures; the expansion of consumer culture; and the World Wars and their effects on American society, culture, and global position. Offered occasionally.

Prerequisites: AS2122 or permission of instructor; EMS.

AS4285 Vietnam and After 4 cr.

The specter of the American war in Vietnam and Southeast Asia continues to haunt the United States. This course is a history of the war and its effects on American foreign policy, domestic politics and culture. It will begin with an examination of the struggle for Vietnamese independence from French colonialism and culminate in a discussion of the lessons of the war for America in the post Cold War era. Some of the topics to be discussed will include the Cold War and world politics; domestic politics and the economy; the role of the mass media; the anti-war movement; racial and class politics; and the effect of the war on those who served and those who resisted. Offered occasionally.

Prerequisites: AS2122 or permission of instructor; EMS.

AS4288 Contemporary U.S. Foreign Policy 1980-Present 4 cr.

What was the impact of the collapse of the Soviet Union on U.S. foreign policy? Students will examine U.S. foreign policy from the end of the Cold War to the present day, including the impact of 9/11 and the “Global War on Terrorism.” Learning about U.S. foreign policy will help students analyze the recent conflicts in the Middle East, South Asia, Africa and elsewhere around the globe. Offered occasionally.

Prerequisites: AS2122 or permission of instructor; EMS.

AS4290 Youth in America: A History 4 cr.

This course will examine the history of conflicting ideas about youth and childhood in our society. We examine the images and ideas of youth as portrayed in the media from the colonial era to the present. Special attention will be paid to the role of children in the politics of race, class, gender, family, education and mass media. Offered occasionally.

Prerequisites: AS2112, AS2122, or permission of instructor; EMS.

AS4292 America Since WW II: 1945-1989 4 cr.

An in depth examination of U.S. history and culture from WW II to the end of the Cold War with a special emphasis on the role of the media and mass culture. Beginning with a discussion of the effects of the World War on the politics, economics and culture of the United States this course will debate each of the major political and cultural conflicts that have marked the end of the Twentieth century. Selected topics may include: Cold War politics, culture and foreign policy; Civil Rights struggles; Women's liberation; The suburbs;

Television and mass culture; Youth culture and rebellion; Ecology movement; Gay rights movement; The Reagan Revolution; The Culture Wars; and Religious conservative and "Right to Life" movements. Offered occasionally.

Prerequisites: AS2122, or permission of instructor; EMS.

AS4402 History of the Family in the U.S.

4 cr.

Examines the changing structure of American families over the past 300 years: how they have differed according to class, race and ethnicity, and the forces that have continued to influence family life. Topics include: Puritan families; African-American families in slavery and freedom; immigrant and middle-class families at the turn of the 20th century, and the modern family. The course uses a variety of materials: films, historical articles and documents, and novels. Offered occasionally.

Prerequisites: AS2112, AS2122, or permission of instructor; EMS.

AS4420 History of New York City and State

4 cr.

This course examines the social, cultural, economic, political and demographic development of New York City and State from colonial America to the present. Historical documents, fiction and films about New York will provide the material for a critical discussion about the multicultural heritage of the Empire State. Offered occasionally.

Prerequisites: AS2112, AS2122, or permission of instructor; EMS.

AS4432 History of the Women's Movement

4 cr.

This course explores the Women's Movement across three distinct centuries. It examines both the first wave: 19th Century modern women's rights and suffrage movement, the second wave: the 20th Century modern women's liberation movement, along with the multiple forms of feminism that have followed. How did the movements arise, who were their constituents and enemies, how were their goals met? What strategy, ideology, and tactics were used? Readings will consist of historical and theoretical documents, poems, autobiographies, oral histories, film and pro-feminism and anti-feminism ephemera. Offered occasionally.

Prerequisites: AS2112, AS2122, or permission of instructor; EMS.

AS4435 Women of Color Feminisms

4 cr.

This interdisciplinary course examines women of color feminism and its historical, intellectual, cultural, and political formation. We will consider theoretical contributions of women of color feminisms such as "intersectionality," "hybridity, expressed as borderlands," and "coalition through difference" as well as women of color feminism's critiques and strategies of resistance to oppressive forces. Exploring these theoretical contributions through writings, first-person narratives, fiction, film, spoken word, and music, this course explores issues of identity, representation, rights, policy and the significance of interesting categories of race, gender, class, ethnicity, sexuality, and nation in the lives of women of color historically and in contemporary society. While the course focuses on relationships across and within the United States, the nature of these identities, alliances, and texts often transcends the borders of the United States.

Prerequisites: AS1512; ECII, or permission of instructor.

***AS4442 Feature Writing**

4 cr.

This is a practical course in the basics of writing feature articles for newspapers and magazines. Students learn how to research, write, and edit feature articles. They will study the different techniques used in a variety of feature articles - human interest, travel, seasonal, humor, sports, science, personality profiles, and personal experiences - and write such articles themselves. Offered every year.

Prerequisites: AS2802, AS3800, or permission of instructor.

AS4715 African-American Thought and Culture

4 cr.

This course examines the ideas of social change that developed from slavery to the present among African American thinkers and activists. It begins by examining the assumptions and aspirations expressed in abolitionism, nationalism, folklore, suffrage and Pan-Africanism that developed in the antebellum period. It proceeds to analyze the related cultural, political and economic ideas that have emerged throughout the twentieth century. The course stresses the role played by culture and ideas in the process of social change. Offered occasionally.

Prerequisites: AS2122 or AS2262; EMS.

AS4722 Film: Ideas and Aesthetics

4 cr.

The course treats film in relation to modern theories and aesthetic techniques and offers tools for developing an in-depth analysis of film form and content. Instructor may focus upon the ideas and aesthetics of particular chronological eras, auteurs, and film movements such as African American cinema or feminist filmmaking. The primary focus is to introduce the complexity of film analysis within the framework of close readings of specific films. Offered occasionally.

Prerequisite: EMS.

AS4725 The Photograph and American Culture

4 cr.

The course treats film in relation to modern theories and aesthetic techniques and offers tools for developing an in-depth analysis of film form and content. Instructor may focus upon the ideas and aesthetics of particular chronological eras, auteurs, and film movements such as African American cinema or feminist filmmaking. The primary focus is to introduce the complexity of film analysis within the framework of close readings of specific films. Offered occasionally.

Prerequisite: EMS.

AS4732: Political Film

4 cr.

From wars and elections, to civil rights and civil liberties, feature films and documentaries have influenced American public opinion and policies. Through in-class screenings and discussion, this course will examine the historical period in which selected motion pictures were produced and explore the immediate and long-term impact of the films. The screenings may include Do the Right Thing, Fahrenheit 9/11, and Easy Rider. Offered every year.

Prerequisites: AS2122 or permission of instructor; EMS.

***AS4802 Investigative Reporting** **4 cr.**

What is now called investigative Reporting is an especially American journalistic pursuit of exposing corruption and abuses by individuals and institutions, inequity and unfairness, and revealing danger. The theory of this journalistic form is that if people are informed of such problems, they will demand a resolution. The course focuses on the philosophy and history of the enterprise, from the crusading journalism of the early years of the press in what became the United States, through the Muckraking Era of the early 20th century, through Watergate, through the founding of Investigative Reporters and Editors, to the present investigative reporting scene in print, radio, television and on the Internet. Students will conduct research on the history of investigative reporting. They will learn techniques of investigation and proof and do their own investigative reporting in print or electronic forms of media. Offered every semester.

Prerequisite: EMS.

***AS4812 Editing For Publication** **4 cr.**

This is an advanced journalism course in which students receive intense preparation in reporting and writing for newspapers, magazines and the internet. Offered every year.

Prerequisites: AS2802; AS3800; EMS.

***AS4822 Advanced Reporting and Newswriting** **4 cr.**

This is an intensive course in producing well-crafted, polished news stories. It teaches students the various forms of newswriting: hard news, foreign affairs, editorial, obituary and sports writing. Form, content and speed in preparation are stressed.

Prerequisites: AS2802; AS3800; EMS.

***AS4825 Making a Newspaper/Magazine** **4 cr.**

This course will cover the editorial and production elements of publishing. A hands-on course, students will produce a newspaper and magazine in print or online. They will also learn to write in various editorial genres and evaluate print publications and web sites. Offered occasionally.

Prerequisites: AS2802, AS3800; EMS.

***AS4832 Internship in Journalism and Media** **4-12 cr.**

This internship gives students the opportunity to work at a newspaper, magazine, radio or television station or Internet source to learn practical journalism in a real-life environment. Students meet with the instructor to discuss their progress, compile a portfolio of work done on the internship, and write an essay on their experience. The internship is an excellent opportunity for students who are interested in a career in the media to gain experience and develop contacts. Offered every semester.

Prerequisites: AS4802 or permission of instructor ; EMS.

AS4850 Digital Revolution **4 cr.**

We are in the midst of a profound technological and historical change: the Digital Revolution. Digital networks of communication permeate nearly every aspect of our life, yet we understand very little about them, their historical development, conflicts over their use, and their impact on our way of life. This course will look at the cultural, technological, economic, and political impact of the digital revolution. Offered every year.

Prerequisite: EMS.

***AS4852 Documentary Production** **4 cr.**

Produce, shoot and edit original documentary videos. Explore the fundamental techniques of and approaches to non-fiction video production. Through readings, class descriptions, screenings of existing documentaries and student work-in progress, students develop their own voices as media makers, moving beyond traditional structures and notions of "objectivity" to explore documentary as artistic social expression. Offered every year

Prerequisites: AS2802 and AS3247, or permission of instructor; EMS.

***AS4870 TV: Advanced Production** **4 cr.**

This course advances students' understanding and execution of television production. Students learn the three stages of production: how to script, plan, and produce a segment; how to set up and shoot; and how to package it during the editing process. Offered every year.

Prerequisites: AS2802; AS3255 or AS3247 or permission of instructor; EMS.

***AS4882 Radio Reporting** **4 cr.**

Learn the ethics and practices of radio journalism. This course emphasizes news content and develops radio reporting skills in the field and on-air. We will review the business of news and news gathering, working with acquiring sound bites, actualities and natural sound, seasonal and specialized coverage, programming and management decisions, criteria and types of stories, and the roles of social media and the internet. Students will be using digital field reporting technologies to produce, and broadcast a live weekly news radio show on the college radio station, OWWR, Old Westbury Web Radio. Offered occasionally.

Prerequisites: AS2802, AS3800, or instructor permission.

***AS4935 TV in Action** **4 cr.**

In this advanced course, students will build on previous experience to develop high-quality projects. Students will take prior production knowledge and demonstrate their skills at the College television station, OWTV, in the areas of News, Sports, Talk, Public Affairs, or Entertainment programming as defined by the instructor. Students will distribute works on-air on closed circuit cable channel 3, and on-line. Offered occasionally.

Prerequisites: AS3255 or AS4870, or instructor permission.

***AS4940 Journalism in Action** **4 cr.**

In this advanced course, students with prior production experience will create professional quality projects. Students will learn industry workflow and best practices to prepare them for professional opportunities. Special projects will be defined by the instructor. Offered occasionally.

Prerequisites: AS3800; One of these: AS4442; AS4822; AS4882; or instructor permission.

***AS4945 Radio in Action** **4 cr.**

In this advanced course, students will build on previous experience to develop high-quality projects. Students will take prior production knowledge and demonstrate their skills at the College radio station, OWWR, Old Westbury Web Radio, in the areas of News, Sports, Talk, Public Affairs, or Entertainment programming as defined by the instructor. Students will distribute works on-air, and on-line. Offered occasionally.

Prerequisites: AS3820, AS4150, or instructor permission.

***AS4955 New Media in Action** **4 cr.**

In this advanced course, students with prior production experience will create professional quality projects. Students will learn industry workflow and best practices to prepare them for professional opportunities. Special projects will be defined by the instructor. Offered occasionally.

Prerequisite: AS2020 or AS4260; or instructor permission.

***AS4965 Video in Action** **4 cr.**

In this advanced course, students with prior production experience will create professional quality projects. Students will learn industry workflow and best practices to prepare them for professional opportunities. Special projects will be defined by the instructor. Offered occasionally.

Prerequisite: AS3247 or AS4852; or instructor permission.

AS5000 Topics in U.S. History in Global Perspective **4 cr.**

This course will take an international perspective on the history of the United States. Thematic, geographic, and chronological focus will vary by instructor, but all courses will situate American history in the context of a global (or regional) historical development, compare an aspect of U.S. history with that of another country (or region), or explore the U.S.'s relationship with another country (or region). Potential topics might include: U.S. imperialism in Puerto Rico and the Philippines; a comparative history of slavery and abolition in the Americas; the history of the U.S. in the Middle East; the American, Haitian, and French revolutions; the colonial Atlantic World; women's rights movements in the U.S. and Europe; or the global Cold War. Offered every year.

Prerequisites: AS2112, AS2122, or permission of instructor; EMS.

AS5112 American Voices **4 cr.**

This course will focus on 20th century American voices as they have developed in diverse media—novels, film, music, TV and computers. Individual speakers will be used to represent influential groups or trends that emerged and the themes and issues associated with them. Offered occasionally.

Prerequisites: AS2112, AS2122, or permission of instructor; EMS.

AS5200 Environmental Journalism **4 cr.**

Historically rooted in the writings of early American naturalists like John Muir and Progressive muckrakers like Upton Sinclair, modern environmental journalism began with the publication in 1962 of Rachel Carson's *Silent Spring*. As environmental concerns have multiplied in recent years, the field has greatly expanded. This course examines both the history and current status of this journalistic specialty. Students will learn and practice techniques of environmental journalism. Offered occasionally.

Prerequisites: AS2112, AS2122, or permission of instructor, EMS.

AS5212 Narrative and History **4 cr.**

This senior seminar looks at "point of view" in historical writing, the multiple "ways of seeing" history, and the various approaches that scholars and writers have employed in order to think and write about the past. The readings that have been selected exemplify the advantages and limitations of the political, economic, social and cultural perspectives and the interpretive possibilities of narrative, biography and fiction. Offered occasionally.

Prerequisites: AS2112, AS2122, or permission of instructor; EMS.

AS5312 History of US Culture **4 cr.**

This senior seminar examines the evolution of U.S. culture from a multicultural perspective. Special attention will be paid to the role that culture plays in social control and social change. Offered every year.

Prerequisites: AS2112, AS2122, or permission of instructor; EMS.

AS5350 History of the Slave Narrative **4 cr.**

This senior seminar examines the historical forces of how authors of slave narratives sought to shape public opinion about emancipation, equality and culture. The ways in which this literary genre changed across time and location will receive critical attention. Offered every year.

Prerequisites: AS2112, AS2122, or permission of instructor, EMS

AS5412 Protest and Change **4 cr.**

This senior seminar provides an in-depth exploration of several movements for social change in U.S. history. Topics can include: the American Revolution, movements for women's rights, populism, abolitionism, peace movements, and movements for the rights of African-Americans. Offered every year.

Prerequisites: AS2112, AS2122, or permission of instructor; EMS.

AS5420 Propaganda and Mass Persuasion 4 cr.

Can American democracy survive in a society dominated by powerful media and sophisticated mass persuasion? This senior seminar is a history of war and political propaganda with a focus on the role of propaganda in the conflicts between social movements and powerful institutions. The rise of public relations and its role in politics and the mass media will be an important theme. Offered every year.

Prerequisites: AS2112, 2122 or permission of instructor; EMS.

AS5712 Mass Media and Popular Culture 4 cr.

This senior seminar focuses on the relation between mass media and different forms of popular culture and explores different theoretical approaches to the understanding of media in modern society. The course examines how popular media communicate ideas about the world, about identity, and our sense of self. Reading across television, film, music, art, and the popular press, the course considers relationships between the mass media, institutions, identity, relations of power, and historical, economic, social, and political contexts. Offered every year.

Prerequisites: AS2112, AS2122 or permission of instructor; EMS.

***AS5725 Senior Media Portfolio 4 cr.**

In this capstone production course, students will create a professional media portfolio based on the industry standard for their chosen medium. Possible additional projects include: a resume, a business card, an exhibition postcard, an artist statement, a formal proposal for future work, and an online-portfolio. Offered every year.

Prerequisites: AS2112, AS2122; AS3800; two production courses and permission of instructor.

AS5800 Research in American History and Culture 4 cr.

In this course, students will learn how to do historical research including use of primary documents, archival research, quantitative methods and oral history. Using these techniques, students will then write a research paper. Offered occasionally.

Prerequisites: AS2112, AS2122 or permission of instructor; EMS.

AS5862 The Journalist as Creative Writer 4 cr.

Many American journalists have written fiction and creative nonfiction. This course examines both types of writing and studies, for example, the works of Mark Twain, Ernest Hemingway, Joan Didion, Alex Haley, and Hunter Thompson. It explores "personal journalism" and the "new journalism" of the sixties and seventies. Students will practice literary journalism themselves by writing several fiction and non-fiction pieces. Offered every year.

Prerequisites: AS2802; AS2112, AS2122; AS3800; permission of instructor; EMS.

AS9000 Senior Media Fellows 4 cr.

Students work independently on a media production project and provide peer —such as tutoring, workshops, and the creation of production manuals—to support other production students. Fellows work closely with a faculty mentor throughout the semester. Offered occasionally.

Prerequisite: Instructor permission.

AS9990 Independent Study 4 cr.

Students may elect to work on an independent project in American Studies, Media Studies or Media Production. They will work closely with a faculty member to design a contract that outlines the reading, writing and production requirements for this project, as well as a timetable for completion. Variable credit.

Prerequisites: Instructor permission and Chair's Approval.

PORTFOLIO RECOMMENDED:

All Media and Communications majors should assemble a portfolio for recognition of college work and for employment. The portfolio should contain samples of work done in courses and the Internship in Journalism. The portfolio should contain examples of written work, both published and submitted as class assignments, and selected graphics, radio programs and videos.

** No practical journalism course (noted in the catalog by asterisk*) can be counted toward the American Studies major, but they may be used as free electives.*

BIOLOGICAL SCIENCES COURSES

All course offerings are contingent on budgetary allocations, faculty resources, and enrollment figures and, unless otherwise indicated, are offered in accordance with student needs.

BS1000 Plants and Society **4 cr.**

A one semester lecture/laboratory course in general botany for non-science majors. The course covers the principles of plant anatomy and physiology, as well as the impact of plants and agriculture on society. Topics covered include the use and history of plants as food, medicines, and poisons.

BS2100 Biology for Non-science Majors **4 cr.**

A one-semester lecture/laboratory course in general biology for non-science majors. Surveys the major concepts and principles of biology, including cell structure and function, genetics, ecology, diversity and evolution. Topics related to the human experience are also discussed. Offered every semester.

Prerequisite: EC II.

BS2300 Anatomy and Physiology I Lecture **3 cr.**

This is the first semester of a two-semester sequence in which human anatomy and physiology are studied using a body systems approach, with emphasis on the interrelationships between form and function at the gross and microscopic levels of organization. This course is a pre-requirement for students pursuing a career in the Allied-Health Sciences, e.g. nursing and physician assistant. Topics include: basic anatomical and directional terminology, fundamental concepts and principles of cell biology, histology, and the integumentary, skeletal, muscular, and nervous systems.

Prerequisites: ECII and MA1020; Corequisite: BS2301.

BS2301 Anatomy and Physiology I Laboratory **1 cr.**

This course is the laboratory component for BS2300. This course is a pre-requisite for students pursuing a career in the Allied-Health Sciences, e.g. nursing and physician assistant. It covers the study of anatomical and directional terminology, fundamental concepts and principles of cell biology, histology, and the integumentary, skeletal, muscular, and nervous systems using experimental approaches, modeling and the use preserved mammalian organisms.

Prerequisites: ECII and MA1020; Corequisite: BS2300 or pre-req of BS2300 with a "C" or better.

BS2310 Anatomy and Physiology II Lecture **3 cr.**

This is the second semester of a two-semester sequence in which human anatomy and physiology are studied using a body systems approach, with emphasis on the inter- relationships between form and function at the gross and microscopic levels of organization. This course is a pre-requisite for students pursuing a career in the Allied-Health Sciences, e.g. nursing and physician assistant. Topics include: the endocrine system, the cardiovascular system, the lymphatic system and immunity, the respiratory system, the digestive system, metabolism, the urinary system, fluid/electrolyte and acid/base balance; and the reproductive systems.

Prerequisite: BS2300 with grade a "C" or better; Corequisite: BS2311.

BS2311 Anatomy and Physiology II Laboratory **1 cr.**

This course is the laboratory component for BS2310 Anatomy and Physiology II and is a pre-requisite for students pursuing a career in the Allied-Health Sciences, e.g. nursing and physician assistant. Topics include: the endocrine system, the cardiovascular system, the lymphatic system and immunity, the respiratory system, the digestive system, metabolism, the urinary system, fluid/electrolyte and acid/base balance; and the reproductive systems. These topics will be covered using an experimental approach complemented with modeling, and the use of preserved mammalian organisms as well as models.

Prerequisites: BS2300 and BS2301 with grades of "C" or better; Corequisite: BS2310.

BS2400-BS2401 Basic Biology I **4 cr.**

Lecture/Laboratory first semester of freshman biology courses covering content areas including molecular and cellular biology, genetics, genomics and evolution. These courses are offered every semester.

Prerequisites: ECII; MA1020; students must register for lecture, BS2400 and lab, BS2401 if taken for the first time.

BS2410-BS2411 Basic Biology II **4 cr.**

Lecture/Laboratory second semester of freshman biology courses covering content areas including cell metabolism, comparative animal and plant anatomy and physiology and ecology. These courses are offered every semester.

Prerequisites: BS2400/BS2401 with grades of "C" or better; students must register for lecture, BS2410 and lab, BS2411 if taken for the first time.

BS2490 Environmental Science **4 cr.**

The focus of this lecture course is on the interactions of humans with their environment. Human impact on the world's ecosystems is emphasized. The theme stressed throughout this course is that every system involving life is dependent upon maintaining balances between nutrient gains and losses, between energy inflows and outflows, and between births and deaths within populations. Against this background, various aspects of the human system, such as our use of soils, our disposal of wastes, our use of resources, land, and energy and our population, are shown to be out of balance. The consequences of these imbalances are discussed in relation to our political and economic system.

Prerequisite: EMS.

BS3300 Biotechnology Workshop **4 cr.**

Designed to develop laboratory skills in the basic techniques used to study molecular genetics. Both prokaryotic and eukaryotic organisms are used as models for the experiments. Some of the techniques introduced in the course include DNA isolation, agarose gel electrophoresis, restriction enzymes, gene transfer, gene cloning, southern blot, PCR, RT-PCR, and gene sequencing. In the latter part of the course, students will be introduced to the Human Genome Project and to some of the techniques used in DNA sequencing and analysis. Offered once a year.

Prerequisite: EMS.

BS3400 Vertebrate Physiology **4 cr.**

A regulatory systems approach to the principles of animal physiology, developed through consideration of functioning of cells, tissues, and organ systems with an emphasis on humans. (With 3-hour laboratory) Offered every other semester.

Prerequisites: BS2400-BS2410 with grades of "C" or better; CP2100-CP2110 with grades of "C" or better; EC II.

BS3450 Plant Biology **4 cr.**

The study of plants as biological organisms. Topics include classification and evolution of the plant kingdom: plant anatomy, physiology and reproduction, with emphasis on the flowering plants. Consideration given to experimental methods used in studying plants and the importance of plants and plant studies. Students are expected to complete an experimental project or observational study. Lecture, discussion, laboratory and field trips, or audio tutorial integration of these are presented. Offered on demand.

Prerequisites: BS2400-BS2410 with grades of "C" or better; or permission of Instructor; EC II.

BS3500 Invertebrate Zoology **4 cr.**

This lecture/laboratory course introduces the student to the diversity of form and function among the invertebrates using a phylogenetic approach. It emphasizes their importance in ecology, diseases, food sources and as biomedical models. Laboratory sessions include dissection of representative animals and encourage individual research projects.

Prerequisites: BS2400-BS2410 completed with grades of "C" or better.

BS3510 Parasitology **4 cr.**

Lecture/laboratory course. Major parasites of medical and economic interest are examined, including the causal agents of malaria, trypanosomiasis, schistosomiasis, and filariasis. The ecology, anatomy, pathology, and public health importance of these parasites are emphasized. Laboratories include both live and prepared material.

Prerequisites: BS2400-BS2410 with grades of "C" or better; EC II.

BS3520 Comparative Anatomy **4 cr.**

Lecture/laboratory course designed for biology majors and premedical students. Emphasis is on the basic anatomical patterns of vertebrate structure. Morphogenesis and structure function relationships are discussed in terms of adaptive significance. Laboratory includes dissections of aquatic and terrestrial vertebrates. Offered every other semester.

Prerequisites: BS2400-BS2410 with grades of "C" or better; EC II.

BS3710 Environmental Physiology **4 cr.**

Examines profound ubiquitous influences of the external environment on the body, the physiological responses to environmental challenges, and ways in which these responses contribute to either health or disease. Includes nutritional influences on health; physiological response to environmental chemicals; adaptations to altitude, pressure, temperature, humidity, radiation; physiology of psychosocial stress; and physiology of exercise. Offered on demand.

Prerequisites: BS2400-2410 with grades of "C" or better.

BS3810 Biological Aspects of Aging **4 cr.**

Lecture/workshop course designed for science students. Examines the aging process on the molecular, cellular, and organismic levels. Emphasizes alterations during the aging process in cells whose life span is identical to that of the entire organism. Examination of various pathological disorders in relationship to aging is also emphasized. Students are required to read original articles and be prepared to discuss current topics in workshop settings. Offered every other year.

Prerequisites: BS2400-BS2410 with grades of "C" or better; EC II; BS3400 is recommended.

BS4400 Cell Biology **4 cr.**

Lecture/discussion/laboratory course whose content is directed to the study of the molecular basis of cell activities, cell ultra structure, and its integration with cellular function. Lectures survey the cell in its environment, energy transformation, mobility, replication of genetic material, growth, nucleocytoplasmic interactions. The laboratory explores techniques used in the study of the cell. Offered every other semester.

Prerequisites: BS2400-BS2410 with grades of "C" or better; EC II.

BS4410 Histology **4 cr.**

A laboratory-oriented course dealing with the microscopic and ultramicroscopic anatomy of mammalian tissues and organs with emphasis on relating structure to function. Offered on demand.

Prerequisite: BS2400-2410 with grade of "C" or better.

BS4420 Microbiology **4 cr.**

Concerned with structure-function relationships in various types of microorganisms, with particular emphasis on bacteria. Nutrition, biosynthesis, energetics, growth, microbial interactions and symbiotic relationships, host-parasite relationships, and microbial genetics are among the topics discussed. Lecture and laboratory. Offered every other semester.

Prerequisites: BS4400 or BS4460 with a grade of "C" or better; EC II.

BS4430 Developmental Biology**4 cr.**

A lecture/laboratory course covering fundamental principles of developmental biology. Topics included: gametogenesis, fertilization, cleavage, gastrulation, growth and differentiation. This course attempts to integrate the descriptive, experimental and genetic approaches to the study of developmental biology. Offered every other semester.

Prerequisites: BS2400-BS2410 with grades of "C" or better; EC II.

Recommended: completion of BS3520.

BS4440 Evolution**4 cr.**

Lecture/discussion course presenting the history of life on earth from its inception to the emergence and early history of Homo sapiens. Through readings, lectures, demonstrations, laboratories, discussions, and museum trips, students examine modern evolutionary theory and concepts, including abiogenesis, adaptation, population genetics, race, speciation, and progressive evolution. Offered every other semester.

Prerequisites: BS2400-BS2410 with grades of "C" or better; EC II.

Recommended: completion of BS4460.

BS4460 Genetics**4 cr.**

Lecture/laboratory course presenting the fundamental principles of genetics, the molecular biology of the gene, and heredity in humans. Through lectures, readings, laboratories, and discussions, students examine the experimental evidence leading to currently accepted concepts, and critically analyze the implications of various findings in human genetics. Offered every other semester.

Prerequisites: BS2400-BS2410 with grades of "C" or better; EC II.

BS4461 Immunology**4 cr.**

Lecture/laboratory course dealing with cellular and humoral aspects of mammalian immune system. Course is divided between study of basic principles governing the immune response, and analysis of molecular immunology. Laboratory component explores modern and technological assays of immunology. Offered every other year.

Prerequisites: BS4400 or BS4460 with a grade of "C" or better; CP2120-CP2130 with grades of "C" or better; EC II.

BS4470 Ecology**4 cr.**

The study of populations and communities of organisms and the interactions of organisms within their environment. Topics include ecosystem analysis, energy flow, nutrient cycles and limiting factors, community structure, biomes, associations, succession, adaptation, and niche analysis, population growth and structure, competition and predator-prey relations. Consideration given to experimental investigations, including computer modeling. Students are expected to complete a field or laboratory project, or a library report. Field trips and lab exercises comprise important components of this course. Offered every other semester.

Prerequisites: BS2400-BS2410 with grades of "C" or better; EC II.

BS4471 Freshwater Ecology (Limnology)**4 cr.**

A lecture/discussion and laboratory course dealing with the structure and function of freshwater systems such as lakes, ponds, rivers, and streams. Topics include the study of the physical and chemical properties of freshwater habitats, their biotic composition, and their productivity. Problems related to water pollution are discussed. Field trips and lab exercises comprise important components to this course. Students are expected to conduct an independent research project. Offered on demand.

Prerequisites: BS2400-BS2410 with grades of "C" or better; CP2120.

BS4474 Microbial Ecology**4 cr.**

This course is designed to introduce students to the study of microbial ecosystems, its structure and function, using an inquiry-based approach that models the scientific research process. The topic content of the course is microbial ecology. Students will explore the microbial diversity in soils autochthonous to the college's deciduous forest. In the lecture component, students will be introduced to the theoretical content of ecology in the context of the laboratory experimentation. The aim is to model the inquiry-based learning process fundamental to the scientific endeavor. As part of their investigation, students will learn about ecosystem structure, i.e. biotic and abiotic components, and function, i.e. symbiotic interactions and food webs. As part of the biotic component of the ecosystem, students will focus on the study of the microbial community, i.e. bacteriophages, bacteria, fungi and micro invertebrates. Students will use both traditional techniques, i.e. microscopy, isolation using generalized and selective media, and molecular techniques: DNA isolation from environmental samples and PCR amplification using specific primers, i.e. 16S rDNA. This course is recommended to students who plan to pursue a career in basic science or biomedical research.

Prerequisites: BS2400-2410 with grades of "B" or better and CP2120, CP2121, CP2130 and CP2131 with grades of "C" or better.

BS4480 Animal Behavior**4 cr.**

A lecture/laboratory course introducing the field of animal behavior. Lectures, discussions and films explore topics including the cultural basis of behavior, the organization and physiology of the nervous system and its role in controlling behavior, the endocrine basis of behavior, genetic basis of behavior and sociobiology.

Prerequisites: BS2400-BS2410 with grades of "C" or better; EC II.

BS4491 Human Ecology**4 cr.**

Students will examine the adaptation of human populations to their environment. Topics include: biological and cultural evolution, human diversity, impact of limiting resources, the ecology of disease, and urban ecology and planning. This course is offered once a year.

Prerequisites: BS2400/BS2401 and BS2410/BS2411 with grades of "C" or better.

BS4500 Cell and Molecular Neurobiology 4 cr.

Lecture course designed to familiarize students with intracellular communication mechanisms and how they are used to promote intercellular interactions. Includes concepts as they relate to neurobiology; ephatic and synaptic transmission; neurophysiology/neuro-pharmacology; selected topics relating to mental health, narcotic addiction etc. Offered every other year.

Prerequisites: BS2400-BS2410 with grades of "C" or better; CP2120; EC II.

Recommended: completion of BS4400.

BS4550 Cancer Cell Biology 4 cr.

The study of cancer disease requires knowledge of several essential biological processes that govern the basic functions of the living system. This course will explore the cellular and molecular mechanisms underlying cancer development with the aim of understanding how changes in the normal cell growth and division processes lead to the formation of tumors. Case studies will be used to explore the roles of specific mutations in cancer development and the pathways they affect, as well as the classes of genes targeted during cancer development. This upper level course builds on concepts introduced in courses in Cell Biology and Genetics and will emphasize experimental methods and design as well as critical data analysis. Students will discuss papers from the primary literature each week individually or in groups.

Pre-requisites: BS2400/BS2401 and BS2410/BS2411 with grade of "C" or better.

BS4560 Molecular Biology 4 cr.

Lecture/Laboratory course to introduce students to both the theoretical and practical aspects of molecular biology. An understanding of molecular biology necessitates a synthesis of information from genetics, biochemistry, cell biology, physics and chemistry. The course will include microbial studies, cellular components, genes, regulation etc. The lab component will utilize techniques of genetic engineering. Offered every other year.

Prerequisites: BS4400 or 4460 with grades of "C" or better; CP2120-2130 with grades of "C" or better.

BS4651 Toxicology 4 cr.

Neurological approach to environmental toxins. Overview of neuroanatomy, physiology, basic pharmacology, and synaptic phenomena. Environmental neurotoxins covered include: acrylamide, cadmium, oxides of nitrogen, carbon monoxide, lead, mercury, organophosphates and organochloride pesticides, hexachlorophene, aluminum, carbon disulfide, isoniazid, and selexyed drugs and biological toxins. Experimental design for toxicity studies and epidemiological considerations are also discussed and various animal models presented. Offered on demand.

Prerequisites: BS2400-BS2410 with grades of "C" or better; CP2120-CP2130 with grades of "C" or better.

BS4680 Environmental Health 4 cr.

This course takes an integrated approach to the development of a basic understanding of the impact of the environment on health. It examines chronic and infectious diseases in relation to modern life styles. A new section examines the AIDS epidemic in relation to the environment. Other topics that are covered include: air pollution in the general industrial environment; water pollution; the effects of pesticides and food additives; synthetic organic chemicals such as PCB's and dioxins as environmental estrogens; health effects of radiation and safety of nuclear energy. Satisfies elective requirement for B.A. in Biology. Offered on demand.

Prerequisites: EC II.

BS5410 Seminar I in Biology: Reading in the Discipline 2 cr.

Designed to increase ability to read in the discipline. Students will survey scientific literature, learn how to research topics, prepare abstracts, etc. Students will select a mentor and topic for Seminar II. Must be taken by students two semesters prior to graduation. Offered every Fall and Spring.

Prerequisite: 85-90 credits and permission of instructor.

BS5420 Seminar II in Biology: Writing in the Discipline 2 cr.

Designed to promote an in-depth consideration of special topics in current biological research. The course will include presentations by both external speakers and students. The student will, under the advisement of a faculty mentor, develop a topic either as a library or laboratory study and present the results both orally and as a written paper. Offered every Fall and Spring.

Prerequisite: BS5410.

BS5590 Advanced Research 4 cr.

Research project carried out under the supervision of a faculty member. Each project includes a survey of the appropriate original literature and investigation of a selected research topic by experimental or theoretical methods. Open to students of upper-division standing, preferably seniors, on acceptance as a research student by a faculty member. Students may take this course twice for credit but may receive only 4 credits from this course toward the major. Grading will be CR/NC. Offered every semester.

Prerequisites: BS2400-BS2410 with grades of "C" or better; permission of instructor.

BS5591 Environmental Research 4 cr.

Research project in environmental science carried out under supervision of a faculty member. Open to upper-division students, preferably seniors on acceptance as a research student by a faculty member. Offered every semester.

Prerequisites: BS2400-BS2410 with grades of "C" or better; 3 upper-division Biology courses; permission of instructor.

BS9990 Independent Study 4 cr.

Independent study is to be carried out under the supervision of a faculty member. It permits students to investigate areas that are not part of existing offerings. Open to students of upper-division standing only on acceptance by a faculty member, and approval by department chair.

Prerequisites: BS2400-BS2410 with grades of "C" or better; permission of instructor.

SCHOOL OF BUSINESS COURSES

The courses listed below are on variable schedules and are not necessarily offered each semester or each year. All course offerings are contingent upon budgetary allocations, faculty resources, and enrollment figures and, unless otherwise indicated, are offered in accordance with student demand. **EMS is a prerequisite for all School of Business courses.**

BU3010 Information Systems for Managers 4 cr.

Introduction to the concept of information systems as strategic assets of the enterprise utilized to achieve strategic advantage. Investigation is also made of the use of information systems at the tactical and support business levels. Technology is always discussed in terms of its interaction with human systems (socio-technical systems). The goals are to facilitate management decision processes and to exploit information technology for strategic advantage. Offered every semester.

Prerequisite: EMS.

BU3502 Principles of Accounting I 4 cr.

Introduction to financial accounting with focus on how financial statements are structured and used by proprietorships and corporations. Topics: double entry, accrual accounting, service vs. merchandise companies, cash, accounts receivable and payable, inventories, fixed assets and depreciation methods, and net earnings. Develops foundation for subsequent courses in accounting, finance, MIS, and management. Offered every semester.

Prerequisite: MA1020.

BU3511 Principles of Accounting II 4 cr.

Emphasis shifts from accounting theory (Principles I) to giving students experience in preparation of financial statements. Journals, ledgers, worksheets, closings, and a corporation practice set are used. New topics include payrolls, stockholders' equity, earnings per share, long-term debt, marketable securities, and statement of cash flows. Required for all business majors. Offered every semester.

Prerequisite: BU3502.

BU3600 Principles of Business Law 2 cr.

A study of the nature and functions of law introducing the student to the legal system, constitutional, administrative, tort, criminal, consumer protection, employment, and contract law. Replaces BU3601. Offered every semester.

Prerequisite: EMS.

BU3605 Intermediate Business Law 2 cr.

An in-depth study of the law of contracts, agency, and partnerships. Together with BU3610 replaces BU3611. Offered every semester.

Prerequisite: BU3600.

BU3610 Advanced Business Law 2 cr.

The study of real and personal property, bailment, documents of title, bankruptcy, secured transactions, and trusts and estates. Together with BU3605 replaces BU3611. Offered every semester.

Prerequisite: BU3605.

BU3800 Marketing: Principles and Concepts 4 cr.

A comprehensive introduction to marketing principles with emphasis on the marketing concept as means of distributing goods and services in a competitive economy. Examines market determination and population segmentation for product planning, product distribution systems, pricing policies and practices, and promotion strategies. Offered every semester.

Prerequisite: EMS.

BU3905 Business Communications 2 cr.

This course is an introduction to the fundamentals of business communications. It emphasizes planning, research, organization, clarity, conciseness, positive tone, mechanics and format. Business letters, electronic communications, memos, and reports will be written and analyzed. Replaces BU3900. Offered every semester.

Prerequisite: EMS.

BU4035 Web Systems and Electronic Commerce 4 cr.

This course covers the basics of web systems, furthering an understanding of them through the development of e-commerce applications and systems. The course provides an overview of several current web technologies, including client side applications such as web design using JavaScript and VBScript and server side applications on Apache (Linux) and IIS (Windows) using CGI, ASP, and Java Servlet technologies. Students will implement an e-commerce application using the learned components involved in a web system and e-business strategies. Projects are carried out individually and in groups. Offered every year.

Prerequisite: EMS.

BU4110 Organizational Behavior and Management 4 cr.

This course examines the evolution of organizations and managerial roles in contemporary organizations. It provides a comprehensive analysis of the functions and processes of management. Topics include the influence of business on society, international business, the managerial functions of planning, organizing, leading, and control, and the social influence of management in terms of ethics, leadership, power, communication, conflict, and organizational culture. Also studied are employee motivation, diversity, group dynamics, and decision-making. Offered every semester.

Prerequisite: EMS.

BU4120 Global Business **4 cr.**

The goal of this course is to provide an introduction to international business environment and operations. The course analyzes the social, economic and political forces shaping multinational business' activities abroad and uses several models to understand cultural differences. An analysis of how cultural factors influence and affect decision making and organizational culture in a global context are the major thrusts of this course. Offered every semester.

Prerequisite: EMS.

BU4125 Business in China **4 cr.**

An examination of the distinctive management challenges and opportunities of businesses operating in China. Students attend lectures in English and live in China. The course provides an overview of the growing role of business with its political, legal, cultural and economic influences on the rapidly changing international scene. Students are involved in independent research after visits to multinational companies, foreign banks, government controlled businesses, and foreign financial and economic centers. Offered occasionally during the Winter Mini-Semester or Summer Session.

Prerequisites: PE2420; PE2430; one Management course.

BU4450 Money and Banking **4 cr.**

This course provides an overview of the role of financial institutions in the creation and allocation of credit and the role of the central bank as a regulator and supervisor of the money supply. It covers the interest rate determination, the term structure of the yield curve, the choice of monetary policy by the central bank and the various channels through which monetary policy affects inflation and real variables in the economy. The institutional structure of Federal Reserve System and the conduct of monetary policy in the U.S. are discussed. Offered every year.

Prerequisite: PE2430.

BU4500 Intermediate Accounting I **4 cr.**

An expanded treatment of accounting theory and principles: investigation of accounting for cash and temporary investments, receivables, inventory costing and evaluation, fixed asset acquisition, depletion and depreciation, intangible assets, and current liabilities. Emphasis is on the analysis of the recommendations and pronouncements of the American Institute of Certified Public Accountants and the Financial Accounting Standards Board. Offered every semester.

Prerequisite: BU3511.

BU4510 Intermediate Accounting II **4 cr.**

An expanded treatment of accounting theory and principles: investigation of accounting for capital, retained earnings, pensions, leases, cash flows, and earnings per share. Emphasis is on the analysis of the recommendations and pronouncements of the American Institute of Certified Public Accountants and the Financial Accounting Standards Board. Offered every semester.

Prerequisite: BU4500.

BU4570 Federal Income Tax I **4 cr.**

A comprehensive study of tax principles and concepts that apply to income tax planning. The course focuses on the tax treatment of individuals. Topics include gross income, exclusions, deductions, realization and recognition of income, tax rates, the treatment of capital assets and the use of tax credits. Offered every semester.

Prerequisite: BU 3511.

BU4590 Cost Accounting **4 cr.**

This course provides students with an in-depth understanding of how cost information is gathered, analyzed and reported for purposes of planning, control and decision-making. Includes a thorough examination of the design and operation of job order, process and standard cost systems. Related emphasis is also placed on cost behavior, planning and control of material, labor and overhead costs, activity-based costing, flexible budgeting and variance analysis. Variable costing, cost-volume-profit-analysis and related techniques are explored as tools to enhance management decision-making. Offered every semester.

Prerequisite BU3511.

BU4762 Financial Management I **4 cr.**

This course provides an introduction to the basic ideas of finance. The primary concepts covered include introductory accounting knowledge, time value of money, risk-return trade-off, the basic characteristics of financial markets and financial securities, cost of capital budgeting. Offered every semester.

Prerequisites: BU3502, MA2000.

BU4774 Financial Markets and Institutions **4 cr.**

This course focuses on the importance of the financial system in providing liquidity and risk diversification in a globally interconnected economy. The course develops a series of applications of principles from finance and economics that explore the connection between financial markets and the economy. Specific topics will include: interest rate determination, term structure, institutional make-up of capital markets, and risk management of financial institutions. The recent credit crisis and its origin in subprime mortgages will be reviewed. Offered every semester.

Prerequisites: BU3502, PE2430.

BU4775 International Business and Finance **4 cr.**

The course provides the analytic framework for understanding cross-border financing, valuation, risk management, and investment decisions. The exchange rates, legal rules, international tax considerations and country risk are examined. The course provides the analytical skills needed for understanding how firms can create, measure, and sustain value across borders. Offered occasionally.

Prerequisite: BU4762.

BU4801 Advertising and Promotion 4 cr.

Analysis of the role of advertising and promotion strategies in the marketing plan of the firm. Explores the function and institutions of advertising from both the client and agency perspective. Topics include social, economic and legal aspects of advertising and promotion, advertising agencies, media and budgeting, planning, execution and evaluation of the promotion campaign. Offered occasionally.

Prerequisite: BU3800.

BU4860 Export/Import Operations 4 cr.

An introduction to the export/import practices of small and medium-sized firms. The course will provide a practical, step by step techniques-oriented guide in managing and marketing an export/import business. Topics include: identification of applicable rules and regulations, information on identifying suppliers and customers, methods of payment, shipping terms, insurance documents, U.S. Customs Import Requirements and the roles of international freight forwarders and customs brokers. Offered occasionally.

Prerequisite: BU3800.

BU5115 Operations Management 4 cr.

Introduction to the theoretical and practical applications of OM. Topics: logistics; facility location layout; acquisition and replacement forecasting; planning; operation scheduling and control; inventory planning and quality control. Offered every semester.

Prerequisites: MA2000.

BU5120 Entrepreneurship 4 cr.

The steps leading to the establishment of an independent business involving choice of business, structure, capital, startup, management practices, legal and financial considerations. Offered every year.

Prerequisites: BU4110.

BU5125 Business Ethics 4 cr.

This is a managerially oriented course dealing with the relationship between business and society. A variety of viewpoints will be presented in the examination of the following topics: social responsibility of business, quality of work life, ecology and environment, consumerism, business and government, and managerial ethics. Offered every year.

Prerequisite: BU4110.

BU5171 Human Resource Management 4 cr.

Emphasizes the necessity of managing individuals in an organization as resources crucial to survival and success. The relationship of human resource management to strategic planning and implementation is analyzed. Specific attention is given to the theories, policies, techniques and methods related to human resource planning, recruitment, selection, interviewing, training and development, performance, appraisal, separation, labor relations and compensation in compliance with relevant legislation. Offered every semester.

Prerequisites: BU4110; MA2000.

BU5190 Business Strategy and Policy 4 cr.

Synthesizes the concepts and techniques developed in prior courses. The student is required to apply concepts from management, accounting, marketing, economics, and finance using the casework and/or simulation approach. Offered every semester. Must be taken in student's senior year.

Prerequisites: BU3800, BU4110, BU4762.

BU5195 Management Seminar 4 cr.

Selected current issues in the field are discussed. Emphasis will be on student research and critical analysis of topics. Topics may vary from year to year. Offered occasionally.

Prerequisites: MA2000.

BU5199 Internship in Business Administration 4 cr.

Designed for students who want experience in the work place participating in the management environment. This is an excellent opportunity to prepare for a career in the field. Open to Business Administration majors only. Offered every semester.

Prerequisites: Senior status; approval by Director of Career Services.

BU5410 Business Economic Forecasting 4 cr.

Course deals with identification, analysis, and appraisal of forces influencing the course of economic activity, and the presentation and critical evaluation of a variety of forecasting and projection techniques. Students are given an opportunity to appraise different forecasting approaches and to apply these techniques in the preparation of actual forecasts. Offered occasionally.

Prerequisites: MA2000.

BU5505 Essentials of Government and Nonprofit Accounting 2 cr.

This course is an introduction to government and nonprofit accounting. Fund accounting theory as well as financial statement presentation will be discussed for both government and nonprofit entities. The course also presents an overview of government auditing standards. Offered every semester.

Prerequisite: BU4500.

BU5520 Financial Accounting Research 2 cr.

This course will provide a critical update and evaluation of recent development in financial reporting and accounting theory. The emphasis will be on an in depth evaluation and application of some of the more advanced topics that may have been briefly covered in Intermediate Accounting 2, such as derivatives, cash flow, pensions, leases, accounting errors and changes, and disclosure. Extensive use will be made of the FASB Codification of accounting standards and case studies Offered every semester.

Prerequisite: BU4510.

BU5525 Fundamentals of International Accounting**2 cr.**

A discussion of the evolution of international accounting principles and practices. International Financial Reporting Standards (IFRS) and reference to accounting and reporting requirements in selected countries will be covered. Current developments and implications for multinational organizations are also addressed. Offered every semester.

Prerequisite: BU4510.

BU5540 Advanced Accounting**4 cr.**

This course covers accounting for partnerships: formation, operation, dissolution, and liquidation. There is an in-depth analysis of business combinations including statutory mergers, consolidations, and acquisition of subsidiaries, preparation of consolidated financial statements including the equity method and elimination entries. Additionally, the course includes an introduction to foreign currency translation and transactions, the SEC, and Sarbanes-Oxley. Offered every semester.

Prerequisite: BU4510.

BU5550 Auditing**4 cr.**

Study of the professional ethics and possible legal liability of the auditor. Examination of current auditing theory and techniques and their application to specific balance sheet and income statement accounts to obtain evidence that management's financial statements are fairly presented, including the generally accepted auditing standards, role of internal control, uses of sampling, effects of information technology, and the various reports rendered by auditors. Offered every semester. Must be taken in student's last semester.

Prerequisite: BU4510.

BU5555 Foundations of Accounting Information Systems**2 cr.**

Examines the fundamental roles and functions of accounting information systems in providing support for decisions by management and other interested groups. Topics include database concepts, accounting data flow, and business processes. Students will learn how to apply software such as Microsoft Access in designing their own systems. Offered every year.

Prerequisites: BU3010, BU4500.

BU5560 Financial Statement Analysis**2 cr.**

An advanced level course covering the analytical tools necessary for conducting a financial analysis of a business and its financial statements. The course will focus on selecting the appropriate analytical tools and the effective use of notes to the financial statements for making financial decisions about a business. Topics include ratio and trend analysis, as well as an examination of annual reports, 10K and 10Q filings. Offered every year.

Prerequisite: BU4510.

BU5571 Federal Income Tax II**4 cr.**

Tax treatment of corporations, partnerships, limited liability entities, business transactions and their related tax forms are stressed in this second course in taxation. Topics include: depreciation, Section 1231 and depreciation recapture under Sections 1245 and 1250, bad debts and losses, "C" Corporation formation and operations, "S" Corporations, Partnerships and Limited Liability Entities, and an introduction to multi-state taxation. Offered occasionally.

Prerequisite: BU4570 or permission of instructor.

BU5599 Internship in Accounting**4 cr.**

Designed for students who want experience in the work place participating in the accounting environment. This is an excellent opportunity to prepare for a career in the field. Open to Accounting majors only. Offered every semester.

Prerequisites: Senior standing; approval by Director of Career Services.

BU5740 Investment Management and Security Analysis**4 cr.**

Study of theories, techniques and approaches for determining the values of major types of securities including derivation of capitalization rates, forecasting of earnings and technical analysis. Evaluation of the dividend, capital leverage controversies and the efficient market hypothesis. Introduction to modern portfolio theories and investment strategies. Offered every semester.

Prerequisite: BU4762.

BU5760 Corporate Finance**4 cr.**

This course introduces students to the principle of maximization of the firm's value in a world with uncertainty. It covers firm's capital structure and dividend policy, cash flow management, short-term financing, merger and acquisition and leasing. Offered every year.

Prerequisite: BU4762.

BU5771 Global Financial Markets**4 cr.**

This course explores the fundamentals of the global financial environment. It covers international capital market, money market and derivatives markets. Foreign-exchange risk and international portfolio diversification are discussed. Offered every semester.

Prerequisite: BU4762.

BU5789 Futures and Options Markets**4 cr.**

This class will provide students with a basic knowledge of derivatives in options, futures, and forwards markets. Topics include option valuation models, principles of forward and futures pricing, structure of markets for derivative securities, and strategies for hedging and speculation. Offered every year.

Prerequisite: BU4762.

- BU5790 Seminar in Finance** **4 cr.**
 Discussion of topics in finance chosen by instructor. Offered occasionally
Prerequisites: BU4762, BU5760, BU5771.
- BU5798 CFA Level I Exam Preparation** **4 cr.**
 This course examines ethical and professional standards and reviews financial analysis tools including economics; quantitative analysis; financial accounting and statement analysis; markets and institutions; and asset valuation and portfolio management techniques. Offered occasionally.
Prerequisites: BU4762, BU5760, BU5771.
- BU5799 Internship in Finance** **4 cr.**
 Designed for students who want experience in the work place participating in the finance environment. This is an excellent opportunity to prepare for a career in the field. Open to Business Administration, Finance specialization majors only. Offered every semester.
Prerequisites: Senior status; approval by Director of Career Services.
- BU5800 Marketing Research** **4 cr.**
 The course examines qualitative and quantitative marketing research techniques. It provides a step by step coverage of a research project including problem definition, research design, sampling, questionnaire construction, data analysis, and report preparation. Students will design and execute a small scale research project. Offered every semester.
Prerequisites: MA2000, BU3800.
- BU5820 International Marketing** **4 cr.**
 Nature and practice of international marketing management. Covers problems of marketing across national boundaries as well as within different national markets. Emphasizes the environment in which international marketing takes place; deals with product, pricing, distribution and promotion strategies of international marketing managers; examines ways of integrating and coordinating the firm's marketing programs in diverse markets. Offered yearly.
Prerequisites: PE2420, PE2430, BU3800.
- BU5841 Strategic Marketing Management** **4 cr.**
 This course places heavy emphasis on problem recognition, strategizing, implementing and justifying why marketing plans should be adopted by the organization. Students will be applying knowledge gained in other courses to case studies and an interactive computer simulation. The perspective will be of senior marketing management. Offered occasionally.
Prerequisite: BU3800.
- BU5851 Consumer Behavior** **4 cr.**
 Incorporates concepts from the behavioral sciences that provide a foundation for the study of buyer behavior. The course evolves through an exploration of the contributions from economics, psychology, sociology and cultural anthropology that reveal the motivations underlying consumer behavior. Offered every semester.
Prerequisite: BU3800.
- BU5880 Brand Theory and Strategy** **4 cr.**
 This course focuses on how brands are created and managed within the marketing process. Using an interdisciplinary marketing and social science perspective, students analyze the cultural system of brand identity generated by product manipulation and consumer choice, creating value for both buyer and corporation. Marketing policies are evaluated through an analysis of product development, distribution and pricing with particular focus on the newest communication tools in advertising, public relations and sales promotions. Offered every year.
Prerequisite: BU3800.
- BU5891 Marketing Seminar** **4 cr.**
 A program tailored to the needs and interests of students of Business Administration, Marketing, Specialization, Students complete an actual business project related to marketing, advertising, and public policy issues. Offered occasionally.
Prerequisite: BU3800.
- BU5895 Internship in Marketing** **4 cr.**
 Designed for students who want experience in the work place participating in the marketing environment. This is an excellent opportunity to prepare for a career in the field. Open to Marketing majors only. Offered every semester.
Prerequisites: Senior standing; approval by Director of Career Services.

CHEMISTRY, PHYSICS AND PHYSICAL SCIENCE COURSES

All course offerings are contingent upon budgetary allocations, faculty resources, and enrollment figures and, unless otherwise indicated, are offered in accordance with student demand.

To enroll in Chemistry/Physics courses at the 2000 level, students must demonstrate EC I. To enroll in Chemistry/Physics courses at the 3000 level, students must demonstrate ECII. To enroll in Chemistry/Physics courses at the 4000 level and beyond, students must be proficient in English.

Students may petition the department for waiver of prerequisite or co-requisite requirements for a course if they believe they have the equivalent background.

Courses fulfilling General Education requirements:

CP2000 Chemistry for Non-majors **3 cr.**

Survey of chemistry for the non-science major. Basic principles to be covered include atomic structure, chemical properties, chemical reactions, the nature of organic and inorganic compounds and novel materials. Principles are illustrated with applications to daily life. No prior background in chemistry required. Offered periodically.

Prerequisite: MA1010, completed with grade of "C" or better.

CP2001 Chemistry for Non-Majors Laboratory **1 cr.**

Laboratory course designed to illustrate concepts taught in Chemistry for Non-majors. Emphasis on measurement, observation, data collection and reporting in addition to illustration of basic chemical principles. One three-hour laboratory session per week. Offered in conjunction with CP2000.

Co-requisite: CP2000.

CP2050 The Nature and Development of Science **4 cr.**

The course involves students in the study and reflection within the historical context of the development of science as a forum to synthesize their learning of various scientific disciplines. The context is provided by a thorough analysis of the historical and philosophical foundations of scientific knowledge and practice, and its emergency as a distinctly modern view of the universe. The course addresses National Science Education Standards that call for an understanding of the history and development of science, as well as its interdisciplinary nature. *Note: This course does not fulfill the General Education Domain 7A (Science) requirement.*

Prerequisite: EMS.

CP2210 Physical Science **3 cr.**

A survey of basic concepts of physical science for students in non-science majors. Topics chosen from fundamental principles of physics, astronomy, chemistry and earth science will provide the student with a broad basic background. Offered periodically.

Prerequisite: MA1020, completed with grade of "C" or better.

CP2211 Physical Science Laboratory **1 cr.**

A one semester hands-on laboratory course designed to introduce the non-science major to the basic concepts of the physical sciences. Laboratory exercises are selected to provide a broad background in the fundamental aspects of Mechanics, Light, Electricity, Chemistry, Geology and Astronomy. Offered in conjunction with CP2210.

Prerequisite: MA1020, completed with grade of "C" or better; Co-requisite: CP2210.

CP2300 Weather Studies **3 cr.**

Weather Studies covers the composition and structure of the atmosphere; the flows of energy to, from, and through the atmosphere; and the resulting atmospheric motions. The physical principles of atmospheric phenomena are stressed, as well as the effects of weather on society. Students will participate in learning activities coordinated with current weather data delivered via the web. *Note: This is an online course; concurrent registration in CP2301 required. Offered periodically.*

Prerequisite: MA1020, completed with grade of "C" or better; Co-requisite: CP2210.

CP2301 Weather Studies Lab **1 cr.**

Laboratory course designed to illustrate concepts taught in Weather Studies (CP2300). Laboratory investigations include experiments on the physical properties of air, analysis of weather trends, and creation and interpretation of real time weather plots. *Note that all lab work will be done online. Offered in conjunction with CP2300.*

Co-requisite: CP2300.

CP2400 Ocean Studies **3 cr.**

This is an introductory oceanography course suitable for students with no prior science background. This course investigates the world's oceans from an earth system perspective, emphasizing interactions between spheres (i.e., hydrosphere, atmosphere). Topics covered will include the physical and chemical properties of seawater; flow and transformations of water and energy, and ocean circulation. Students will also study adaptations of marine life and human societal impacts on the oceans. Learning activities will make use of real-time ocean data accessible via the web. *Note: This course is conducted online.*

Prerequisite: MA1020, completed with grade of "C" or better; Co-requisite: CP2401.

CP2401 Ocean Studies Lab **1 cr.**

Laboratory course designed to illustrate concepts taught in Ocean Studies (CP2400). Laboratory investigations will be both hands-on and web-based, and will include the interpretation of real-time ocean data. Offered in conjunction with CP2400. Successful completion of Ocean Studies and Ocean Studies Lab satisfies the college General Education requirement for a laboratory science course.

Co-requisite: CP2400.

CP 2500 Climate Studies **3 cr.**

An introductory course in climate studies that uses current and historical climate data available on the internet to explore climate change and its potential impacts. In order to evaluate the emerging evidence about climate change, individuals need to understand the factors that affect climate and its variability. Major earth, air and water systems, and their relationship to climate and to climate change, are discussed. Emphasis is placed on exploring the tools scientists use to understand and describe climate, including satellite observations, ice cores and mathematical modeling. The public policy aspects and societal impacts of climate change will be debated. Taught in a hybrid mode, the course includes activities such as in-class presentations, exams and the acquisition, analysis and presentation of online climate data.

Prerequisite: MA1020, completed with a grade of "C" or better; Co-requisite: CP2501.

CP 2501 Climate Studies Lab **1 cr.**

Laboratory course offered in conjunction with, and designed to illustrate, concepts taught in Climate Studies (CP2500). Laboratory investigations will be web-based, and will include analysis and interpretation of climate data.

Co-requisite: CP2500.

CP2600 Environmental Analysis of Long Island **4 cr.**

This is an introductory course that will focus on the study of the natural sciences of Long Island. It includes many aspects of biology, earth and atmospheric sciences, fundamental principles of chemistry and physics, human population dynamics, and an appreciation for biological and natural resources. It will always include the consideration of people and how they have influenced the system under examination. This course will use laboratory, field and a case study approach to give the students a "hands-on" approach to the fundamental principles of environmental analysis. There will be an emphasis on laboratory and field methodologies, data analysis, and technical communication within an interdisciplinary context.

Prerequisite: ECI.

Courses designed for Chemistry Majors:

CP2120 Principles of Chemistry I **3 cr.**

Introduction to the origins and principles of modern chemistry. Discussion of atomic and molecular structure, stoichiometry, periodicity, bonding and states of matter. Principles are illustrated through demonstrations and study of descriptive chemistry. Offered every semester.

Prerequisite: MA1020, completed with grade "C" or better.

CP2121 Principles of Chemistry Lab I **1 cr.**

Laboratory course designed to illustrate concepts of Principles of Chemistry I. Emphasis on basic chemical concepts, quantitative laboratory skills, descriptive chemistry, and development of scientific report writing skills. Three laboratory hours per week. Offered in conjunction with CP2120.

Co-requisite: CP2120.

CP2130 Principles of Chemistry II **3 cr.**

Continuation of Principles of Chemistry I. Discussion of acid/base and oxidation/reduction reactions, equilibrium, kinetics and electro-chemistry. Principles are illustrated through demonstrations and study of descriptive chemistry. Offered every semester.

Prerequisite: CP2120 completed with grade of "C" or better.

CP2131 Principles of Chemistry Lab II **1 cr.**

Continuation of CP2121. Emphasis on basic chemical concepts, quantitative laboratory skills, descriptive chemistry, and development of scientific report writing skills. Three laboratory hours per week. Offered in conjunction with CP2130.

Prerequisite: CP2121 completed with grade of "C" or better; Co-requisite: CP2130.

CP2220 Structure of Physics I **3 cr.**

A non-calculus, introductory physics course for biological science, health sciences and premedical students. Topics included are the principles and laws of mechanics, wave motion and sound. Offered every Fall.

Prerequisite: MA2090 or equivalent, completed with grade of "C" or better.

CP2221 Structure of Physics I Laboratory **1 cr.**

A three-hour laboratory course illustrating topics covered in CP2220. Offered in conjunction with CP2220.

Co-requisite: CP2220.

CP2230 Structure of Physics II **3 cr.**

A continuation of Structure of Physics I. Topics include heat and thermodynamics, electricity and magnetism, physical and geometric optics and selected topics from nuclear physics. Offered every Spring.

Prerequisite: CP2220 completed with grade of "C" or better.

CP2231 Structure of Physics II Laboratory **1 cr.**

A three-hour laboratory course illustrating topics covered in CP2230. Offered in conjunction with CP2230.

Co-requisite: CP2230.

- CP2240 General Physics I** **3 cr.**
The first semester of a calculus-based introductory physics course primarily for chemistry, math and pre-engineering majors. Kinematics, energy, momentum, rotational motion, sound and wave motion are included. Offered every Fall.
Prerequisite: MA2310, completed with grade of "C" or better
- CP2241 General Physics I Laboratory** **1 cr.**
A three-hour laboratory course illustrating topics covered in CP2240. Offered in conjunction with CP2240.
Co-requisite: CP2240.
- CP2250 General Physics II** **3 cr.**
The second semester of a calculus-based general physics course. Optics, electricity, and magnetism are included. Offered every Spring.
Prerequisite: CP2240 completed with grade of "C" or better.
- CP2251 General Physics II Laboratory** **1 cr.**
A three-hour laboratory course illustrating topics covered in CP2251. Offered in conjunction with CP2250.
Co-requisite: CP2250.
- CP3230 Mathematical Methods in the Physical Sciences** **3 cr.**
Application of advanced mathematical principles to problems in the physical sciences. Topics include infinite and power series, functions of several variables, matrix and vector algebra, Fourier analysis, special functions and differential equations. Offered periodically.
Prerequisite: MA2320.
- CP3300 Organic Chemistry I** **3 cr.**
The first semester of an introductory organic chemistry course. Discussion of major classes of organic compounds, with emphasis on structure, reactions, synthesis, stereochemistry and reaction mechanism. Offered every Fall.
Prerequisite: CP2130 completed with grade of "C" or better.
- CP3302 Organic Chemistry Lab I** **2 cr.**
Designed to illustrate topics of CP3300. Stresses development of laboratory skills in synthesis, separation and purification of organic compounds. Emphasizes scientific report writing skills. Four laboratory hours per week. Offered in conjunction with CP3300.
Prerequisites: CP2130 and CP2131 with grades of "C" or better; Co-requisite: CP3300.
- CP3310 Organic Chemistry II** **3 cr.**
Continuation of Organic Chemistry I, with discussion of additional major classes of organic compounds. Offered every Spring.
Prerequisite: CP3300.
- CP3312 Organic Chemistry Lab II** **2 cr.**
Designed to illustrate topics of CP3310. Stresses additional synthetic techniques not covered in CP3302, spectroscopic methods and qualitative organic analysis. Emphasizes scientific report writing skills. Four laboratory hours per week. Offered in conjunction with CP3310.
Prerequisite: CP3302; Co-requisite: CP3310.
- CP3400 Analytical Chemistry** **5 cr.**
Study of chemical stoichiometry, homogeneous and heterogeneous equilibria, principles of volumetric and gravimetric analysis, chemical separation methods and spectrophotometry. Includes statistical analysis of data and scientific record-keeping. Two lectures and one four-hour laboratory per week. Offered every Fall.
Prerequisites: CP2130, CP2131 completed with grades of "C" or better.
- CP4320 Advanced Organic Chemistry** **3 cr.**
An examination of modern synthetic methods, molecular orbital theory, linear free energy relationships, acid-base catalysis, neighboring group participation, medium and salt effects, and a detailed consideration of the mechanistic features of a wide variety of organic reactions. Offered periodically.
Prerequisite: CP3310; Co-requisite: CP4700.
- CP4510 Biochemistry I** **3 cr.**
Comprehensive coverage of the chemistry and metabolism of biological compounds, including proteins, nucleic acids, lipids, polysaccharides, and their precursors. Also treats enzyme kinetics, bioenergetics and biosynthesis of important biomolecules. Offered every Fall.
Prerequisite: CP3310.
- CP4515 Biochemistry II** **3 cr.**
Continuation of Biochemistry I, with emphasis on the control of biochemical processes, photosynthesis, replication, transcription and translation, genetic engineering, ribosomes, and metabolism. Offered every Spring.
Prerequisite: CP4510.
- CP4520 Biochemistry Lab** **2 cr.**
Laboratory experiments illustrating current biochemical techniques and reinforcing lecture topics. Four laboratory hours per week. Offered in conjunction with CP4510.
Co-requisite: CP4510.

- CP4700 Physical Chemistry I** **3 cr.**
Survey of the basic principles of physical chemistry, with emphasis on thermodynamics, changes of state, solutions, phase equilibria and kinetic theory. Offered every Fall.
Prerequisites: CP2130 completed with grade of "C" or better; MA2320 and two semesters of college Physics.
- CP4710 Physical Chemistry II** **3 cr.**
Survey of the basic principles of physical chemistry with emphasis on chemical kinetics, quantum mechanics, atomic and molecular structure. Offered every Spring.
Prerequisite: CP4700.
- CP4720 Physical Chemistry Lab** **2 cr.**
Laboratory experiments designed to illustrate the chemical principles underlying thermodynamics, equilibria, surface and transport properties, chemical kinetics, and spectroscopy. Includes vacuum techniques and use of computers to acquire and analyze data. Emphasizes scientific report writing in standard format. Offered in conjunction with CP4710.
Co-requisite: CP4710.
- CP4800 Advanced Chemical Methods** **5 cr.**
A study of organic and inorganic compounds using instrumental methods of characterization. Synthetic techniques may include use of inert atmosphere and electrochemical methods. Characterization of compounds may utilize spectroscopy, GC/MS, LC/MS, electrochemistry, NMR and others. Two lectures and one four-hour laboratory per week. Emphasis on scientific report writing in standard format. Offered every Spring.
Prerequisites: CP3310, CP3312, CP3400, CP4700.
- CP5500 Advanced Topics in Chemistry** **3 cr.**
One-semester lecture course covering selected topics of current importance to chemists. Course content may include such topics as spectroscopy, radiation chemistry, electricity and magnetism, molecular orbital theory, group theory and new instrumental techniques. Offered periodically.
Prerequisite: Permission of the Instructor.
- CP5600 Advanced Inorganic Chemistry** **3 cr.**
Study of inorganic chemistry emphasizing the use of thermodynamic, kinetic and quantum mechanical principles. Topics include structure, bonding, descriptive chemistry, coordination compounds, group theory, and discussion of current topics from the literature. Offered periodically.
Prerequisite: CP4710.
- CP5900 Research** **2-4 cr.**
Research project carried out under the supervision of a faculty member. Each project includes a survey of the appropriate original literature, a theoretical or experimental investigation, and a comprehensive report of the results. Open only to students accepted as research trainees sponsored by a member of the Chemistry and Physics faculty. Offered every semester. Grading will be CR/NC.
Prerequisite: Permission of the Chemistry/Physics faculty.
- CP5920 Senior Seminar I** **1 cr.**
Capstone course in which the student integrates coursework in the sub-disciplines to discuss topics of current interest in the profession. Includes instruction in library resources and on-line searching, scientific writing, ethics workshops and oral presentations. Students choose a supervisor and seminar topic and submit a draft written report. Attendance at Science Seminar Series is required. Offered every Fall.
Prerequisite: Senior Standing or Permission of the Instructor.
- CP5921 Senior Seminar II** **1 cr.**
Continuation of CP5920. Emphasis on producing paper in American Chemical Society format. Attendance at Science Seminar Series is required. Offered every Spring.
Prerequisite: CP5920.
- CP9990 Independent Study in Chemistry/Physics** **2-4 cr.**
An academic project other than laboratory research carried out under the supervision of a faculty member. Offered every semester.
Prerequisite: Permission of the Chemistry/Physics faculty.

COMPUTER AND INFORMATION SCIENCE COURSES

All course offerings are contingent on budgetary allocations, faculty resources and enrollment figures, and are offered in accordance with student demand, unless otherwise indicated. Prerequisites must be met and no course substitutions are allowed except with the written approval of the department Chair.

CS1500 Introduction To Computer Applications **4 cr.**

This course is designed to provide the student with a comprehensive introduction to . Topics include fundamental concepts, hardware components, software products, trends in computing and an introduction to the Microsoft Windows environment, including the use of the mouse and file management. Issues related to the impact computers have on society and current changes in technology are also discussed. Students will receive hands-on instruction in popular software applications including Microsoft Word, Excel, Access and PowerPoint. Offered every semester.

CS1505 Internet and Society **4 cr.**

This course covers workings of the Internet, researching online and societal issues which either affect the Internet or are affected by it. Topics: Overview of the Internet and World-Wide-Web, ISPs, e-mail, chat, instant messaging, browsers, databases and Web services, file types and downloading, Web page design, online shopping and security. Researching online: search engines, indexes, quick reference aids, Boolean searches, Web resources in various subject areas. Societal issues: intellectual property, privacy, online education, e-commerce, online communities. Offered based upon student demand.

CS1510 Advanced Computer Applications **4 cr.**

This course introduces the role of computers and data processing in the business environment. Topics include essential business computer concepts. Popular PC software packages (database management software and especially electronic spreadsheets) are used to emphasize business analysis and decision-making using computers. Business and Accounting majors will appreciate our coverage of the electronic spreadsheet package, Microsoft Excel. Topics include: basic spreadsheet design, entering data, formatting worksheets, implementing formulas and more. This course is primarily for business majors. Offered based upon student demand.

CS2410 Web Site Design **4 cr.**

This course provides an introduction to designing web pages using Adobe DreamWeaver and other web technologies. Students will learn how to design a professional looking web site using hands-on software and real life examples. Topics include creative design, layout and typography, organization of content, navigation, tables, frames, templates and style sheets, graphics, animation, plug-ins, streaming audio and video, Flash, HTML, and XHTML. Assignments carried out individually and in groups. Offered based upon student demand.

CS2510 Computer Programming I **4 cr.**

Introduction to program design and analysis: algorithmic processes, basic programming techniques, program specification & structure, program development, debugging and testing. Emphasis on programming methodology and style. Students learn the basic language features of C++/Java to write basic to intermediate level programs. Offered every semester.

Prerequisite: MA1020 or equivalent.

CS2511 Computer Programming II **4 cr.**

Continuation of CS2510. Discussion of storage classes, pointers, recursion, files and string manipulation. Basic data structures and algorithms, data abstractions and object-oriented programming. Students write intermediate to advanced level programs in C++/Java. Offered every semester.

Prerequisite: CS2510.

CS2610 Visual Basic and Object-Oriented Programming **4 cr.**

This course provides an introduction to the Visual Basic programming language, programming concepts and terminology, algorithms, and problem solving strategies. It will provide students with the critical thinking skills necessary to design and write computer programs utilizing the components of Visual Basic. Students will learn how to develop professional real-life applications using Graphical User Interfaces and be introduced to programming topics such as objects, classes, control structures, methods, functions, string and array handling, and an introduction to ADO.NET. Offered based upon student demand.

CS3410 Interactive Multimedia Design **4 cr.**

This course provides an introduction to Interactive multimedia design emphasizing animation, sound and video using Adobe Flash and ActionScript. Students will learn how to design and create professional multimedia applications for e-commerce, interactive instructional videos, and interactive web sites with rich internet applications using state of the art multimedia software. Topics include the application of e-business strategies using interactive audio and video, drawing and color tools, animation, timeline effects, shape tweening, video and audio parameters and compression formats, OOP, ActionScript properties and classes, methods, functions, event handlers, conditional statements, loops and arrays. Assignments to be carried out individually and in groups Offered based upon student demand.

Prerequisite: Familiarity with computer programming recommended.

CS3611 Advanced Visual Basic and Database Application Programming **4 cr.**

This course provides an in-depth study of the skills and knowledge of Visual Basic programming. It is intended to reinforce and build upon the introductory programming course by introducing more advanced features of Visual Basic programming language and environment. Some of the advanced topics include SQL, database programming, reporting scheme, programming for the web and web forms,

object-oriented programming, accessing data with ADO.NET. It also introduces basic technologies in ASP.NET. Offered every semester.
Prerequisite: CS2510 or equivalent.

CS3620 Computer Architecture I 4 cr.
Basic computer architecture. Switching theory, data representation, arithmetic operations, assembly language coding, Boolean logic, combinational circuits, logical design, instruction execution, sequential machines. Offered every semester.

Prerequisites: CS2510 and MA3030.

CS3630 Computer Architecture II 4 cr.
Integrated circuits, pipelining, Cache Memory, DRAM, RAID, Memory Hierarchy, I/O Device Interfacing, DMA, CISC processing, RISC processing, Multi processing, Vector processing, Parallel processing. Offered based upon student demand.

Prerequisite: CS3620.

CS3810 Data Structures & Algorithms 4 cr.
Abstract data structures and their implementations. Linear lists, stacks, arrays, orthogonal lists, graphs, trees and multilinked structures. Basic and higher level file structures and their manipulation. Analysis and design of efficient sorting and searching algorithms, including recursion, divide-and-conquer, and balancing approaches. Advanced level programming. Assignments conforming to the object-oriented methodology covered in CS2511. Offered every semester.

Prerequisites: CS2511 and MA3030.

CS3910 Java and Object-Oriented Programming 4 cr.
Object-oriented programming: classes, interfaces, objects, messaging, composition, inheritance. Language features: exceptions, packages, garbage collection, virtual machine. Built-in-Packages: lang, util, io, awt, swing. Applications, applets and security. File structures and file I/O. Object-oriented design: design patterns, frameworks and UML. Programming assignments carried out individually. Offered every semester.

Prerequisite: CS3810.

CS3911 C++ and Object-Oriented Programming and Design 4 cr.
Object-oriented programming: encapsulation, abstraction, classes, interfaces, objects, messaging, composition, polymorphism and inheritance. Language features; namespaces, exceptions and templates. Programming with STL. File structures and file I/O. Object-oriented design: design patterns, frameworks and UML. Programming assignments carried-out individually and in groups. Offered once a year.

Prerequisites: CS2511 and MA3030.

CS4100 Technical Communications 4 cr.
Emphasis on technical writing and public speaking skills. Application of report-writing fundamentals to technical correspondence, technical reports, user manuals. Detailed analysis of the problem of conveying technical information to technical and non-technical audiences in written, as well as oral form. Term project involving written paper on a technical subject and an oral presentation of the subject in class. Offered every semester.

Prerequisites: Junior standing in CIS/MIS; ECII.

CS4400 Artificial Intelligence 4 cr.
Introduction to the programming language LISP. Additional topics include: search as problem-solving paradigm; depth first, breadth first, best first, min/max and alpha beta; state space representation, OR graphs, AND/OR graphs, means end analysis and problem reduction; propositional and predicate logic, skolemization, resolution and theorem proving, semantic nets, frames, neural nets and genetic algorithms. Students write programs in LISP and C++/Java. Offered every other year.

Prerequisites: CS3810 and MA3210.

CS4501 Software Engineering 4 cr.
Introduces discipline into the development of small programs and teaches construction of large programs using smaller ones as components. Program development focuses on recognition and description of useful abstractions. Object-oriented methodology; procedural, data and control abstractions; specifications, design methods, UML, implementation and testing. Programming assignments in C++/Java are carried out individually and in groups. Offered every semester.

Prerequisites: CS3810 or CS3611; EC I.

CS4550 Database Systems 4 cr.
Basic concepts: data, information systems, data independence and need for DBMS facilities. The relational model: schema, subschema, relational algebra, relational calculus, SQL, ODBC, JDBC and SQLJ. Database design: entity-relationship model and normalization. Performance considerations, integrity, security and transaction processing. DBMS examples: Access, DB2 and Oracle. Offered every semester.

Prerequisites: CS3810 or CS3611; EC I.

CS4600 Topics in Computer Science 4 cr.
Current topics in computer science which are of interest to the computer science faculty will be chosen for discussion. Topics may change each semester. Offered based upon student demand.

Prerequisite: CS3810.

CS4610 Languages & Translators 4 cr.
Topics include features and characteristics of programming languages and basic principles and techniques of language design. Lexical analysis, syntax analysis, code generation, symbol table and error handling will be covered. The student will develop a simple compiler or interpreter. Offered once a year.

Prerequisite: CS3911.

CS4705 Introduction to Computer Security**4 cr.**

This course covers basic ideas of computer and network security and fundamental techniques for defending computers and networks against adversaries. The course introduces the students to: secure software engineering, operating system security, network security, cryptography, cryptographic protocols, denial of service attacks, firewalls, authentication techniques, web and server security. Students will work on programming projects individually and/or jointly in groups. Offered once a year.

*Prerequisite: CS3810.***CS4710 Applied Cryptography and Computer Security****4 cr.**

This course develops notions of information security and deals with the tools for guaranteeing secure communications in an adversarial setting. Topics include basic number theory, cryptographic methods, key distribution, and protocols for authentication and confidential communications. The course examines C++/Java security applications that employ cryptography. Students will be assigned several small programs incorporating security. Offered once a year.

*Prerequisite: CS4705 or MA4100.***CS4720 Internet and Web Technologies****4 cr.**

Introduce the Internet, the World Wide Web, the client/server applications, and various web development technologies. Teach hot techniques currently adopted in web application industry including languages for front-end applications such as XHTML, CSS, DHTML, JavaScript and languages for back-end applications such as JavaServer Page, JavaServer Face, PHP, the .Net platform and Python. The XML and Ajax is also introduced. Offered once a year.

*Prerequisite: CS4550.***CS5551 MIS Topics****4 cr.**

The purpose of this course is to introduce the students to the practical aspects of building industrial-strength integrated MIS systems through the use of real-life MIS systems' case studies. The course endeavors to connect enterprise, technological, organizational and strategic issues in support of integration of information and systems. The course will also cover new technologies including artificial intelligence and data mining used in support of management decision-making. Invited speakers will discuss the challenges faced by MIS departments in serving the needs of their enterprises as well as their perspective on the future developments in the field. Students will be required to write a term paper which will be presented in a classroom forum and form a major part of each student's grade. The course assignments will be carried out individually as well as in groups. Concurrent registration in CS5910 is recommended. Offered once a year.

*Prerequisites: CS4550; ECII.***CS5610 Operating Systems****4 cr.**

Memory management: multiprogramming, relocation, paging, virtual memory, dynamic loading and linking. Process management: job scheduling, process scheduling and synchronization, multiprocessing. Device management: input/output, channels and control units, buffering, interrupt structure and processing. Information management: logical and physical file systems, file processing. OS examples: Unix/Linux, Windows. Offered once a year.

*Prerequisite: CS3810.***CS5620 Computer Science Practicum****2-4 cr.**

This is an internship course which is supervised by a full-time computer science faculty member and can be repeated.

*Prerequisite: Permission of instructor.***CS5710 Computer Networks****4 cr.**

Basic system support for process to process communications across a computer network. The TCP/IP protocol suite and the socket application programmers' interface. Development of network application programs based on the client server model. Local area and wide-area network technologies including fast Ethernet, X.25, frame relay and ATM. Performance considerations, network security, network management and multimedia networks. Offered ever semester.

*Prerequisites: CS4550; MA3210 or MA2000.***CS5720 Advanced Java Programming and Applications****4 cr.**

This course introduces Java applications in networking and database programming. It uses Java's advanced features in reflection, serialization, multithreading, networking, database connectivity and remote objects. Offered once a year.

*Prerequisites: CS3810; CS4550; CS5710.***CS5730 Computer Network Security****4 cr.**

This course is a continuation of CS4710 and deals with the issues in network security. Topics include Kerberos, public key infrastructures, electronic mail security, IP security, Web security, intrusion detection and response, password management, viruses and worms, firewalls, denial of service attacks and defenses, wireless security, and privacy. Students will write several small programs including a network application incorporating security. Offered once a year.

*Prerequisites: CS4710 and CS5710.***CS5810 Data Mining****4 cr.**

This course covers the fundamental concepts and techniques useful in discovering knowledge hidden in large data sets. Topics include data preprocessing, frequent pattern matching, classification, clustering and database methods. The course also discusses online analytic processing (OLAP), outlier detection, and important applications. The course assignments will be carried out individually and in groups.

Prerequisites: CS4550, MA2000 or MA3210; EC II.

CS5910 Systems Design & Implementation**4 cr.**

System feasibility studies, meeting with users, project definition, environmental analysis. Data collection, design phase, system restart and recovery. Database considerations, programming, system completion, systems parallel, benchmarks. User training and manual. Conversion planning. Students, working in groups, design and implement a significant software project. Offered every semester.

Prerequisites: CS4501; EC II.

CRIMINOLOGY COURSES

All course offerings are contingent on budgetary allocations, faculty resources and enrollment figures and, unless otherwise indicated, are offered in accordance with student demand.

CR1500 Introduction to Criminology**4 cr.**

This course will provide students with an introduction to the social scientific study of crime. Students will explore quantitative and qualitative evidence concerning various types of crime (e.g. murder, robbery, rape, domestic violence, child abuse, burglary, larceny, motor vehicle theft, organized crime, international crime, and white collar crime). Also, they will explore crime statistics concerning the demographic dimensions of crime (i.e. age, race, sex, and class). Students will be provided with a brief introduction to biological, psychological, and sociological explanations of crime, and learn to compare social science and media representations of crime and criminals. Finally, students will learn to assess conservative, liberal and radical explanations of historical crime trends, and to examine the impact of the criminal justice system (i.e. police, courts, corrections) on rates of crime. Offered every semester.

CR2090 Juvenile Delinquency**4 cr.**

This course will provide an introduction to theories and research findings concerning causes of juvenile delinquency in U.S. society. In addition, social policies designed to address delinquency as a social problem will be explored. Offered every year.

Prerequisite: ECI.

CR3092 Victimology**4 cr.**

This course will provide an introduction to theory and research about individuals and specific populations that have been victimized by interpersonal, institutional and state-sanctioned violence and abuse. Specific topics may include domestic violence and incest, rape, biased-related crimes, and post-trauma syndrome as a result of war, torture, social or environmental catastrophes. Students will also become acquainted with the variety of social services, specialized programs within the criminal justice system and practitioners who treat "survivors" of violence and abuse. Offered every year.

Prerequisite: EC II.

CR3093 Criminal Justice Administration**4 cr.**

This course introduces the student to conceptual frameworks, theories, and empirical research related to criminal justice administration. Students learn to understand criminal justice as a system, embedded within other systems, and to consider the interaction between (and the interdependence of) the major system components (police, prosecution, courts, and corrections). The administration of criminal justice and criminal justice policy are considered at length. Students apply what they have learned to a series of realistic case studies. Offered every year.

Prerequisite: EC II.

CR3094 Drugs and Society**4 cr.**

This course examines the use of drugs not only in contemporary American society, but also globally, and satisfies the Sociology Department's cross-cultural component. The course is arranged so that the material progresses from substances utilized in their natural forms, up to technological "designer" drugs. The problems and virtues of objectively and subjectively studying drug effects are addressed. The history and use of specific substances (i.e., caffeine, marijuana, cocaine) is extensively explored. Students are taught to think critically about drug information presented by the government, media, and pharmaceutical industries. The course investigates how drug use varies by class, race, and sex, and integrates this knowledge to critically assess current drug laws and policies. Offered every year.

Prerequisite: ECI.

CR3200 Crime, Media and Culture**4 cr.**

This course explores the ways that media and cultural processes socially construct crime in modern society. Drawing on the latest theories of culture and crime, students will investigate the relationships among mass media, individual agency, actual crime and criminal justice. Emphasis will be on crime news, popular representations of crime, contemporary media portrayals of different types of crime and their interactions with racial, ethnic, class and gender stereotypes. Offered every year.

Prerequisite: ECI.

CR4000 Gender, Crime and Justice**4 cr.**

This course will examine the role of gender in the criminal legal system. It will cover the relative status of women and men from the late 19th century to the present, and the process of becoming full and equal participants in society. The course will use major sociological theories of gender difference to understand offenders and defendants; prisoners; law enforcement professionals; and victims of this system. Current programs for community based justice and the tension between theories of gender difference, practices and programs

for women in the legal system, and conservative and feminist political views regarding the abilities and disabilities of women will also be included. Offered every year.

Prerequisites: CR1500; EMS.

CR4091 Punishment and Corrections

4 cr.

Students are introduced to the sociology of punishment and corrections. The historical development and form of modern corrections systems in the United States are explored. Various punishment and correction strategies, ideologies, and policy alternatives are assessed. Offered every year.

Prerequisites: CR1500; EMS.

CR4099 Sociology of Violence

4 cr.

This course provides a sociological inquiry into the various manifestations of violence in societies, including interpersonal forms of violence such as homicide, rape, and physical assault as well as collective forms of violence such as state-sponsored violence, war, genocide, terrorism and torture. Specific attention will be paid to the sociological causes and effects of individual and collective violent actions. Offered every year.

Prerequisites: CR1500; EMS.

CR4550 Theories of Crime

4 cr.

Students will read a variety of theoretical writings from the literature on crime and deviance. Classes and assignments will be designed to enable students to summarize, assess, and critique these theories. In addition, the implications of theoretical criminology for social/criminal justice policy will be explored. Offered every year.

Prerequisites: CR1500, EMS.

CR4999 Issues in Criminology

4 cr.

Gives students the opportunity to examine in greater depth the analysis and discussion of current specialized criminological work in the particular area defined by the instructor (as indicated in the schedule of classes). Students are permitted to take CR 4999 Issues in Criminology for credit and as fulfillment of elective requirements for the Criminology and Sociology Majors up to two times in which two distinct topics are covered. Offered every year.

Prerequisites: CR1500; EMS.

SCHOOL OF EDUCATION COURSES

All course offerings are contingent on budgetary allocations faculty resources, and enrollment figures and unless otherwise indicated, are offered in accordance with student demand.

ED3330 Children's Literature

4 cr.

An introduction to the study of literature for children in the pre-school and elementary grades. The course includes, selection and evaluation of books for children; language development through children's literature; use of literature to promote the social, emotional and creative development of children; integrating children's literature into the content areas; planning story activities. Opportunities to work with children ages 3-7 where feasible. Offered occasionally.

Prerequisite: EC I.

Recommended: ED3700 Child Development as prerequisite or co-requisite.

ED3600 Puerto Rican and Other Hispanic Children in U.S. Schools

4 cr.

Designed for prospective teachers who will have Hispanic children in their classroom. The course will cover an analysis of Hispanic migrations and an analysis of the Hispanic child's experience in the United States and American schools. It will focus on the classroom implementation of Hispanic history and culture to make curriculum more relevant. Required of Bilingual Education majors. Offered each fall.

Prerequisite: EC II.

ED3650 Foundations of Bilingual/Multicultural Education

4 cr.

This course is required of all students in the Education Program who intend to major in Bilingual Education and will serve as an orientation to Bilingual Education. Among the topics to be considered are: historical and philosophical foundations of Bilingual Education, the socio-psychological and linguistic aspects of bilingualism; and the political, legislative and legal ramifications of Bilingual Education. Students will be introduced to the areas of evaluation, methodology and linguistics as they relate to Bilingual Education. Offered each spring.

Prerequisite: EC II.

ED3660 Issues in Multicultural Education

4 cr.

Focuses on the educational needs of children of varying ethnic, cultural, and/or language backgrounds. An analysis of varied pedagogical practices, current materials, related curricula, and problems of inter-group education are included. Offered every semester. Students taking this course in the summer will be responsible for the additional expenses and extended time involved in taking a number of field trips.

Prerequisites: ED3700, ED3900.

ED3700 Child Development and Practicum for Teachers

4 cr.

Provides students with background information concerning the intellectual, physiological, social, emotional, and creative development of children from birth through the elementary school years. Emphasis is given to the contributions of Piaget, Gardner and other developmental theorists. Practical relevance of child development information is stressed throughout this course for students who plan to work with children. Students will participate in a practicum in a field-based classroom to gain experience with children in an educational setting and to reflect upon teaching as a career. Offered each semester.

Prerequisites: EC II; Sophomore Standing.

ED3742 Middle Childhood and Adolescence

4 cr.

Examines human development from six years through adolescence. Research and theories concerning physical, cognitive, personality and social development will be reviewed. Family, peer groups, schools and media will be discussed. The impact of socioeconomic background, culture, race and gender will be discussed throughout. The use of theories and research in applied settings will be discussed. Offered every semester.

Prerequisites: PY2010; EC II.

ED3900 Foundations of Education

4 cr.

Examines the historical, philosophical and pedagogical foundations of education in the United States as related to political, economic and social conditions. Major figures that have helped shape education are discussed. Supreme court cases that affect current issues are reviewed; major trends in education are discussed and analyzed. Offered every semester.

Prerequisites: EC II; Sophomore Standing.

ED4000 Foundations of Special Education: Areas of Exceptionality

4 cr.

This course provides an introduction to the field of Special Education. The course examines the learning and behavioral characteristics of individuals with exceptionalities as well as the sociocultural issues and trends affecting educational programming for exceptional children in inclusive and self-contained classrooms. A field experience is required. Required for all teacher education majors. Offered every semester.

Prerequisites: ED3700; ED3900; EC II, Admission to the SOE.

ED4082 Methods and Materials of Teaching Mathematics

4 cr.

This course is a study of the strategies, techniques, materials, and technology used to teach mathematics to middle childhood and high school students. Candidates will become acquainted with New York State learning standards involved in teaching mathematics at the secondary school level, develop an awareness of the professional environment, and of resources and information available for teachers. There will be a strong focus on unit and lesson planning, assessment methods, interdisciplinary connections and differentiated instruction. The co-requisite Observation course provides an opportunity for candidates to observe and interact with teachers and students in a secondary field placement setting, and to reflect on these experiences. Offered every Spring.

Prerequisites: Admission to SOE; ED3900 and ED4000 or ED3742. Corequisite: ED5890.

ED4083 Methods and Materials of Teaching Spanish 4 cr.

This course is a study of the strategies, techniques, materials, and technology used to teach Spanish to middle childhood and high school students. Candidates will become acquainted with New York State learning standards involved in teaching Spanish at the secondary school level, develop an awareness of the professional environment, and resources and information available for teachers. There will be a strong focus on unit and lesson planning, assessment methods, interdisciplinary connections and differentiated instruction. The co-requisite Observation course provides an opportunity for candidates to observe and interact with teachers and students in a secondary field placement setting, and to reflect on these experiences. Offered every Spring.

Prerequisites: Admission to SOE; ED3900 and ED4000 or ED3742. Corequisite: ED5890.

ED4085 Methods and Materials of Teaching Science 4 cr.

This course is a study of the strategies, techniques, materials, and technology used to teach science to middle childhood and high school students. Candidates will become acquainted with New York State learning standards involved in teaching science at the secondary school level, develop an awareness of the professional environment, and resources and information available for teachers. There will be a strong focus on unit and lesson planning, assessment methods, interdisciplinary connections and differentiated instruction. The co-requisite Observation course provides an opportunity for candidates to observe and interact with teachers and students in a secondary field placement setting, and to reflect on these experiences. Offered every Spring.

Prerequisites: Admission to SOE; ED3900 and ED4000 or ED3742. Corequisite: ED5890.

ED4086 Methods & Materials of Teaching Social Studies 4 cr.

This course is a study of the strategies, techniques, materials, and technology used to teach social studies to middle childhood and high school students. Candidates will become acquainted with New York State learning standards involved in teaching social studies at the secondary school level, develop an awareness of the professional environment, and resources and information available for teachers. There will be a strong focus on unit and lesson planning, assessment methods, interdisciplinary connections and differentiated instruction. The co-requisite Observation course provides an opportunity for candidates to observe and interact with teachers and students in a secondary field placement setting, and to reflect on these experiences. Offered every Spring.

Prerequisites: Admission to SOE; ED3900 and ED4000 or ED3742. Corequisite: ED5890.

ED4120 Methods & Materials of Teaching Mathematics, Science, and Technology in the Elementary Classroom 4 cr.

The course provides an introduction to the methodology of teaching science and mathematics at the elementary school level. It is organized around a series of units appropriate for elementary school students that integrate mathematics, science and technology. One focus is on the nature of scientific knowledge, the nature of students' knowledge prior to instruction and the role of misconceptions, the meaning of scientific literacy, and the importance of inquiry and hands-on approaches consistent with current standards in science education. Another focus are issues in teaching mathematics and the use of mathematics as a tool and to develop understanding through quantitative and logical reasoning. Emphasis is made on the appropriate use of materials and technology in instruction, teaching strategies, assessment and inclusion of special student populations.

Prerequisites: Admission to SOE; ED3700; ED3900; ED4000; proficiency in mathematics; completion of laboratory science.

ED4120B Methods and Materials of Teaching Mathematics, Science and Technology in the Elementary Classroom (Bilingual-Spanish) 4 cr.

This course provides curriculum information, hands-on experiences, and planning opportunities consistent with the New York State Learning Standards for Mathematics, Science, and Technology. It is organized around a series of units appropriate for elementary children that integrate mathematics, science, and technology. Students will engage in interdisciplinary and disciplinary activities; experience technology both as a part of contemporary life and as a tool for promoting learning; and plan and micro-teach integrated mathematics, science, and technology lessons. It is taught in both English and Spanish with a focus on the Spanish language vocabulary for mathematics, science and technology. It provides prospective teachers with the methods of teaching content appropriate to the teaching certificate to bilingual English language learners, using the native language and English, for meeting the State Learning Standards for students. ED4120B-Offered every spring or summer.

Prerequisites: Admission to SOE; ED3700; ED3900; ED4000; proficiency in mathematics and Spanish; completion of laboratory science; EMS.

ED4200 Foundations of Reading I 4 cr.

The purpose of this course is to prepare pre-service teachers to teach reading to students in elementary grades within a balanced and integrated language arts perspective. There will be discussions about and demonstrations of methods of organizing reading/writing literacy activities for a multicultural, inclusive classroom setting. Special attention is given to 1) the theoretical reading models, 2) reading and writing developmental stages, 3) the teaching of specific language skills and learning strategies, 4) planning for second language learners and children with learning disabilities 5) implementing the New York State Learning Standards for English Language Arts, and 6) Standards for the Assessment of Reading and Writing (IRA and NCTE). The course will include practical applications of methods and materials used in class. Each participant may be responsible for working with a child or children involved in the reading process. Offered every semester.

Prerequisites: ED3700; ED3900; Admission to SOE.

ED4220 Teaching Reading II 4 cr.

The purpose of this course is to explore techniques and strategies to integrate reading instruction across the content areas. The focus will be on reading to learn. This course will concentrate on the application of theory and methodology in reading instruction. Emphasis will be placed on how reading relates to other language arts, the writing process, reading in the content areas, and study strategies. Offered every semester.

Prerequisites: Admission to SOE; ED3700, ED3900; ED4000; ED4200.

ED4220B Teaching Reading II (Bilingual-Spanish)**4 cr.**

This course is designed to comply with New York State Teacher Certification in bilingual education in that it prepares prospective teachers to use methods and materials for teaching reading and writing in bilingual education programs- transitional, maintenance and dual language. The course will explore instructional strategies for integrating reading and writing across the content areas and will concentrate on the application of theory, methodology and applications of technology in literacy instruction to meet requirements of the New York State Learning Standards in English Language Arts and Languages Other than English. Attention will be given to the assessment and evaluation of first and second language literacy development. Offered every fall

Prerequisites: Admission to SOE; ED3650; ED3700; ED3900; ED4000; ED4200.

ED4230 Reading Across the Curriculum**4 cr.**

This course focuses on current approaches to literacy instruction across the curriculum. It is designed for secondary teacher candidates, and addresses specific instructional strategies appropriate for the adolescent population. Emphasis will be placed on theoretical models of reading, instructional strategies, assessment techniques, strategies specific to multicultural and bilingual learners. Offered every semester.

Prerequisites: Admission to SOE, ED3900.

ED4231 Reading Across the Curriculum Practicum**2 cr.**

The purpose of this course is to provide adolescence and middle childhood education candidates with an opportunity to observe literacy strategies in various discipline settings. The course goal is to familiarize candidates with differentiation of instruction and methodology for diverse / multicultural populations. Candidates will also become familiar with the strategic needs of learners with exceptionalities. Candidates will observe students in a bilingual and/or ESL classroom, and maintain a reflective journal. Field experience is required.

Prerequisites: Admission to SOE; ED 4230.

ED4300 The Student with Learning Disabilities**4 cr.**

This course provides students with background information for understanding children who are experiencing learning difficulties in the elementary school. Exploration of the possible causes, assessment techniques and treatment procedures for students with learning disabilities are discussed; dyslexia and the culturally and linguistically diverse student with special education needs are also addressed. Field experience is required. Offered every semester.

Prerequisites: Admission to SOE; ED4000.

ED4670 Methods and Materials of Teaching English as a Second Language**4 cr.**

This course examines the dimensions of language, theories and research in first and second language acquisition, and factors involved in the teaching of English as a second language. The focus will be on the principles, methodologies, techniques, and approaches appropriate to teaching school age students content through a second language. Required of Bilingual Education majors. Offered every Spring or Summer.

Prerequisites: Admission to SOE; ED3700, ED3900; EMS.

ED4740 Interdisciplinary Instructional Strategies**4 cr.**

Provides generic background information for developing an interdisciplinary approach to instruction for children in early childhood, elementary, and middle school classes. Emphasis is given to the preparation of interdisciplinary, thematic units of instruction and the processes involved in designing disciplinary and inter-disciplinary lessons and activities. As they practice lesson and unit planning techniques, students develop skills needed to address the New York State Learning Standards and prepare educational objectives. The course reviews questioning strategies; uses of the Internet and educational technology in research and planning for teaching; and applications of educational taxonomies and authentic and traditional assessment techniques. Throughout the course, children's developmental levels and abilities are related to the planning processes. Competence in language and research skills needed by teacher education majors is demonstrated in the preparation of a research project. Offered every semester.

Prerequisites: Admission to SOE; ED3700; ED3900; ED4000; ED4120; ED4200; and ED4220.

ED4740B Interdisciplinary Instructional Strategies (Bilingual-Spanish)**4 cr.**

This course is designed to provide methods for teaching content appropriate to the teaching certificate to bilingual English language learners, using the native language and English. It provides generic background information for developing an interdisciplinary approach to instruction for children in early childhood, elementary, and middle school classes. Emphasis is given to the preparation of interdisciplinary, thematic units of instruction and the processes involved in designing disciplinary and interdisciplinary lessons and activities. As they practice lesson and unit planning techniques, students develop skills needed to address the New York State Learning Standards and prepare educational objectives. The course reviews questioning strategies; uses of the Internet and educational technology in research and planning for teaching; application of educational taxonomies; and authentic and traditional assessment techniques. Throughout the course, children's developmental levels and abilities are related to the planning processes. Competence in the English and Spanish languages and research skills needed by teacher education majors is demonstrated in the preparation of a research project in Spanish. Offered every fall semester.

Prerequisites: Admission to SOE; ED3650; ED3700; ED3900; ED4000; ED4120B; ED4200; and ED4220B.

ED4810 The Student with Emotional and Behavioral Disabilities**4 cr.**

The course consists of a study of children whose primary disability consists of emotional difficulties and challenging behaviors. The theoretical component is organized into three parts: a study of severe and profound emotional and behavioral disabilities; a study of mild to moderate emotional and behavioral disorders; and a study of optimum conditions for emotional development. The practical component will consist of an exploration of a variety of intervention approaches and other classroom activities that address the needs of students with emotional disabilities. Offered every semester.

Prerequisites: Admission to SOE; ED4000.

ED4850 Curriculum and Materials for Teaching the Student with Learning Disabilities 4 cr.

Methodologies and techniques for teaching students with specific learning disabilities in special education will be addressed. Candidates will develop skills in formal and informal assessment procedures, and design interdisciplinary instructional modules that meet pupil's diverse learning needs. Candidates will also develop teacher-made materials as part of a culminating Individualized Educational Plan (IEP) assignment. A field experience is required.

Prerequisites: Admission to SOE; ED4300.

ED4890 The Student with Developmental Disabilities: Overview, Theories and Practices 4 cr.

Modules of instruction for this course are designed to address: identification of students with developmental disabilities and the historical basis for current assessment practices; issues relating to the education and treatment of individuals with developmental disabilities; learning and behavioral characteristics and empirically supported methods that enable individuals to reach their potential. Students will develop adaptive materials to meet the educational and affective needs of monolingual and ESL pupils with cognitive disabilities. Research paper and a practicum in settings for students with developmental issues are required. Field experience required.

Prerequisites: Admission to SOE; ED4000.

ED5890 Observation, Practicum, and Seminar 4 cr.

This course provides an opportunity for middle childhood and adolescence education majors to experience the school environment prior to student teaching. Candidates spend 100 hours in schools for the purpose of observation of instruction and other school activities, interaction with children and teachers, and reflection. This course is taken in conjunction with a Methods in Teaching course, and is conducted under the supervision of a university supervisor. Students participate in a weekly seminar.

Prerequisites: Admission to SOE, formal application required. Corequisite: ED4082, ED4083, ED4085 or ED4086.

ED5900 Student Teaching in Secondary School and Seminar (Grades 7-12) 12 cr.

This is the capstone student teaching experience for candidates seeking certification in adolescence education in biology, chemistry, mathematics, social studies and Spanish. This course provides an opportunity for candidates to apply knowledge and skills developed in coursework under the guidance of a university supervisor and cooperating teacher. This course is a full-time commitment, with half the semester spent at grades 7-9 and half at grades 10-12. Students participate in a weekly seminar.

Prerequisites: Admission to SOE, formal application required, ED4082, ED4083, ED4085 or ED4086 with a minimum grade of "B".

ED5910 Student Teaching in Middle School and Seminar, Grades (5-9) 12 cr.

This is the capstone student teaching experience for candidates seeking certification in middle childhood education in biology, chemistry, mathematics, and Spanish. This course provides an opportunity for candidates to apply knowledge and skills developed in coursework under the guidance of a university supervisor and cooperating teacher. This course is a full-time commitment, with half the semester spent at grades 5-6 and half at grades 7-9. Students participate in a weekly seminar.

Prerequisites: Admission to SOE, formal application required, ED4082, ED4083, ED4085 or ED4086 with a minimum grade of "B".

ED5930 Observation, Practicum, and Seminar 4 cr.

Observation and Seminar is the first of two field experiences required of Childhood and Exceptional Education majors in their senior year. The course provides opportunities for students to observe and practice in a classroom and reflect upon the knowledge, skills and dispositions needed to become effective teachers. Students are assigned to area schools for 100 hours. Students are also required to participate in weekly seminar sessions with the College's Field Supervisor. Offered every semester.

Prerequisites: Admission to SOE; ED3700, ED3900, ED4000, ED4120, ED4200, ED4220; senior standing; approval of SOE faculty adviser.

ED5940 Student Teaching and Seminar 12 cr.

ED5940B Bilingual (Spanish)

Student Teaching and Senior Seminar is the final student teaching field experience required of Teacher Education majors. The course provides opportunity to refine and reflect upon the knowledge, skills, and attitudes needed to become effective elementary school teachers. Students are assigned to area schools and are required to student teach 5 days a week for 15 weeks. Students are also required to participate in weekly seminar sessions with the College's Field Supervisor. Offered every semester.

Prerequisites: Completion of all course work and approval of program advisor.

ED5960 Student Teaching in Elementary Education and Exceptional Education and Seminar 6 cr.

ED5960B Bilingual (Spanish)

This is the first half of the final student teaching experience for students seeking dual certification as elementary and special education teachers. The course provides opportunities for students to refine and reflect upon the knowledge, skills, and attitudes needed to become effective elementary school teachers. Students are assigned to selected area schools and required to student teach 5 days a week for 15 weeks. Students are also required to participate in weekly seminar sessions with the College's Field Supervisor.

Prerequisites: Completion of all course work and approval of program advisor.

ENGLISH COURSES

Reading, Writing and Speech Courses

EL1000 English Composition I: Exposition **4 cr.**

Designed to develop and refine students' ability to read, write and think critically. Selected essays will be read and studied as models of rhetorical style, enabling students to detect for themselves the effective use of language and to develop an appreciation for masterpieces of non fiction prose. Students will learn to develop the extended essay with particular attention to discovery and organization. Oral communication skills will be sharpened by directed discussion and by presentation and criticism of class papers. A grade of C or above is required to pass this course. Offered every semester.

Prerequisite: EC I placement.

EL1193 ESOL III **4 cr.**

Designed to refine English language skills the multilanguage learner has already acquired. Basic grammatical forms are not directly taught but are reviewed in the context of specific writing activities. Emphasis is on the construction and revision of paragraphs and short compositions. Reading skills are strengthened through vocabulary expansion and exercises in comprehension, summarizing and outlining.

EL1194 ESOL Oral Workshop III **4 cr.**

This course in advanced spoken English prepares multilanguage learners possessing basic fluency to use their oral language skills in a more productive and sophisticated manner. Particular attention is paid to the precise language needed for academic purposes and other formal discourse. Also focuses on individual problems of pronunciation and diction.

EL1196 Readings for ESOL Students **4 cr.**

Readings with focus on key issues of concern to multilanguage learners help students improve language skills. Paper, group discussions, and oral reports.

EL2001 Public Speaking **4 cr.**

Designed to give the student the poise and confidence necessary to think and speak freely before an audience. This course proceeds from audience analysis through motivation, supporting materials, organization, and delivery. Offered periodically.

EL2200-2299 English Composition II: Argumentation/Literary Perspectives **4 cr.**

This multiple option course is designed to enable students to formulate and express independent ideas in writing and to develop essay length interpretations based on course readings in literary texts. Close textual analysis of assigned readings and student-centered discussions of peer and professional writings help refine reading, listening and speaking abilities. Each course stresses training in quotation, citation, and research methods. Two or three interpretive essays and a research paper are required. Each English Composition II course focuses on a different literary theme, type of literature, literary form, or literature of a particular geographical area, while training students in the same writing, research, and documentation skills.

EL2203 – EL2248, DESCRIBED BELOW, SATISFY THE ENGLISH COMPOSITION II REQUIREMENT.

A grade of "C" or above is required to pass these courses.

EL2203 Shakespeare: Three Plays **4 cr.**

This course examines Shakespearian themes which have intense relevance to today's divided society: sexism, racism, anti-Semitism, colonialism, and gender fluidity. Texts will include such plays as Othello, The Winter's Tale, The Merchant of Venice, Twelfth Night, The Tempest, as well as some of the sonnets. Students are required to write a reading journal, analytical essays, and a research paper. Most writing is done outside of class. The course stresses training in quotation, citation, and research methods. Offered periodically.

Prerequisite: EC II placement.

EL2205 Psychological Themes in Literature **4 cr.**

This section will explore a variety of psychological themes such as development and aging, family dynamics, addictions, neurosis and psychosis in literary works by a selection of writers from different cultures. Themes will also be considered from the perspective of relevant psychological literature. Interpretive essays and a research paper are required. The course stresses training in quotation, citation, and research methods. Offered periodically.

Prerequisite: EC II placement.

EL2206 Science Fiction Literature **4 cr.**

Science fiction literature and film are often used to imagine utopian and dystopian worlds. At its best, the genre of science fiction raises questions about what makes a good society, the nature of being human, the role of the outsider, the challenges technological advances present, and gender and sexual norms. The course will examine fiction by authors such as George Orwell, Harlan Ellison, Samuel Delaney, Ursula LeGuin, Philip K. Dick, and Octavia Butler as well as films such as Blade Runner and The Matrix. Students will develop their ability to read and think critically and to write summaries, critical analyses and a research paper based on the course material. The course stresses training in quotation, citation, and research methods. Offered periodically.

Prerequisite: EC II placement.

EL2207 Contemporary American Fiction **4 cr.**

Students will read and analyze short fiction by authors who reflect the diversity of contemporary American fiction, such as Raymond Carver, Alice Walker, Sandra Cisneros, Junot Díaz, Jhumpa Lahiri, Maxine Hong Kingston, Tim O'Brien, and others. Analysis of the short story will acquaint students with literary form and structure. Biographical and historical factors will be examined as influences on content and form. Interpretive essays and a research paper are required. The course stresses training in quotation, citation, and research methods. Offered periodically.

Prerequisite: EC II placement.

EL2208 Modern American Poetry **4 cr.**

This lecture/discussion course will focus on trends and themes in modern American poetry in the context of the search for an American poetic voice. Poets range from Whitman to Walker and include Frost, Harper, Hughes, Komunyakaa, Sarton, Sexton, Wilbur, Wright, and others. Formal analysis and biographical factors are studied. Students will also become involved in "found poetry" and practice poetic forms. Interpretive essays and a research paper are required. The course stresses training in quotation, citation, and research methods. Offered periodically.

Prerequisite: EC II placement.

EL2211 Africana Perspectives **4 cr.**

Explores recurring themes and modes of expression in the Pan-African world, ranging from the role of the oral tradition in traditional African societies to African-American rebellion as expressed in contemporary writing and music. Interpretive essays and a research paper are required. The course stresses training in quotation, citation, and research methods. Offered periodically.

Prerequisite: EC II placement.

EL2214 Literature and Liberation **4 cr.**

Examines fiction, poetry, essays, and drama about class-economic struggle, war, and racial and sexual oppression. Through these kinds of literature, oppressed people have voiced their ideas on ethics, politics, and society, and other social groups have responded positively or negatively. The course stresses close reading of literature, understanding literary themes and techniques, reading in historical context, and training in quotation, citation, and research methods. Two or three short interpretations and a research paper are required. Offered periodically.

Prerequisite: EC II placement.

EL2216 Multicultural Perspectives **4 cr.**

Works from writers of various cultures enable students to develop an understanding and appreciation of cultural diversity. Interpretive essays and a research paper are required. The course stresses training in quotation, citation, and research methods. Offered every year.

Prerequisite: EC II placement.

EL2218 The Short Story **4 cr.**

A variety of short stories will be studied for theme and structure and other elements of fiction. Emphasis on the development of the short story in the context of literary movements, such as realism, naturalism, impressionism. Interpretive essays and a research paper are required. The course stresses training in quotation, citation, and research methods. Offered every year.

Prerequisite: EC II placement.

EL2219 International Short Stories **4 cr.**

Students will read a variety of short stories by authors from around the world, including Russia, Kenya, Brazil, India, and Japan. Emphasis on character and culture, as shaped by social factors. Interpretive essays and a research paper are required. The course stresses training in quotation, citation, and research methods. Offered every year.

Prerequisite: EC II placement.

EL2221 Adolescent Literature **4 cr.**

Traces the patterns and problems of growing up in America and forming an identity in the context of family influence and social pressures. Authors include Twain, Salinger, McCullers, Baldwin, Marshall, Potak, Walker. Interpretive essays and a research paper are required. The course stresses training in quotation, citation, and research methods. Offered every year.

Prerequisite: EC II placement.

EL2222 Women's Voices **4 cr.**

This lecture/discussion course focuses on developing students' abilities to understand, analyze, and write about literature by women writers. Texts studied include essays, poems, stories, and novels by Emily Bronte, Emily Dickinson, Virginia Woolf, Flannery O'Connor, Gwendolyn Brooks, Toni Morrison, Alice Walker, June Jordan, and Maxine Hong Kingston. Students are required to write a reading journal, analytical essays, and a research paper. The course stresses training in quotation, citation, and research methods. Most writing is done outside of class. Offered every year.

Prerequisite: EC II placement.

EL2224 Autobiography **4 cr.**

This course deals with autobiography as a form of personal expression. It explores a major compulsion among writers to look back on their growth and examines the need to communicate the historic vision to the next generation. The interaction between the inner and the outer world, between the quest for personal freedom and the demands for social conformity provides for a vigorous examination of the process of individual growth. Interpretive essays and a research paper are required. The course stresses training in quotation, citation, and research methods. Offered periodically.

Prerequisite: EC II placement.

EL2233 Environmental Literature 4 cr.

This lecture/discussion course focuses on developing students' abilities to understand, analyze, and write about the literature of natural scientists and other acclaimed authors. Included are works by Lewis Thomas, Henry David Thoreau, Carl Sagan, Paul Theroux, Isaac Asimov, and Rachel Carson. Interpretive essays and a research paper are required. The course stresses training in quotation, citation, and research methods. Offered Periodically.

Prerequisite: EC II placement.

EL2239 Horror Literature 4 cr.

This course will explore common characteristics in the literature of horror and the supernatural. Works of Hawthorne, Poe, and Shelley will be in focus, as will some modern Gothic writers. Film and its comparison to the literature will be explored. Interpretive essays and a research paper are required. Offered every year.

Prerequisite: EC II placement.

EL2248 The Lyric: The Poetry of Emotion 4 cr.

Known as the poetry of emotion, the lyric has been an important vehicle of expression for poets from ancient to present day cultures. The course explores lyrics from a cross-cultural perspective, focusing on the methods poets have employed in order to convey the private, emotional lives of their speakers to the "public," their audience of readers. In addition to studying the lyric, students will read and evaluate critical articles as well as compose reading journals and documented essays in response to the texts. The course stresses training in quotation, citation, and research methods. Offered periodically.

Prerequisite: EC II placement.

Courses for the English Major and Electives

EL2310 Introduction to Literature 4 cr.

This course is aimed at developing students' personal responses to literature. The focus will be on specific literary genres such as poetry, drama, novel, short story, and non fiction prose. The readings will cover a variety of periods and cultures. Offered periodically.

Prerequisite: EC II placement.

EL2350 Reading and Writing for a Multicultural Community 4 cr.

This course is a historical and contemporary examination of how immigration, race and ethnicity have helped shape both American national identity and personal identity. Students will explore the political, social, educational, and economic aspects of immigration with emphasis on how minority populations adapted to American culture, changing American culture in the process. This study explores the writing of activists, political leaders, authors, and other social reformers to discover how they used the written word as a vehicle for change. Students will read articles, speeches, memoirs, poems and short fiction and discuss the various societal issues that they would like to address through writing. Their work will reach audiences beyond their class and serve tangible purposes for community groups and the students themselves. Offered periodically.

EL3010 Structure and Grammar of English 4 cr.

This course places formal English grammar in the context of the structure and development of the language. Devoting significant attention to the evolution of English and its overall structure, the course also offers intensive study of standard grammar, aimed at both Literature and Teaching students. Students study parts of speech, parts of the sentence, verb and pronoun forms and agreement, and the uses of phrases and clauses within sentences, and they learn to identify these in their writing and the writings of others. Offered every semester.

Prerequisite: EMS.

EL3200 Peer Mentoring Tutorial 4 cr.

Students enrolled in Peer Mentoring Tutorial will work under the supervision of a faculty mentor and will, in turn, serve as mentor to selected students. Following an orientation seminar, student mentors will regularly attend an assigned class, assist students in and outside the class with papers, homework, course material, as well as serving as peer advisor. Student mentors will keep records of meetings with mentees, submitting written reports at regular intervals on each mentee. Mandatory attendance at scheduled Peer Mentoring Tutorial. Term report required. Offered every semester. Enrollment is limited to English majors and School of Education English concentrators, and requires permission of one faculty mentor.

Prerequisites: "B+" average, recommendation of faculty.

EL3500 Literature Across Cultures I: Analysis 4 cr.

This course explores representative works of U.S. and international literature that find their roots in the world's multiplicity of cultures. The course emphasizes multiple strands and traditions both within world literary culture and within the literary cultures of the United States and other nations. Readings and discussions focus on the dominant themes in fiction, poetry, drama, and essays by writers of distinct national and ethnic identities, genders, and sexual orientations. The course also includes studies of writings about multicultural contributions to literature. Offered every semester.

Prerequisite: EMS.

EL3510 Literature Across Cultures II: Theory 4 cr.

This course encourages diverse responses to important works of British-U.S. and World Literature. It fosters the skills of close reading and develops the confidence necessary for independent interpretation of literary texts. While studying each text, students read critical articles about them reflecting the approaches of "new criticism," biographical and psychoanalytic criticism, new historicism, feminism, queer theory, and other current methodologies. Small group discussions of study questions, oral reports, and writing assignments encourage students to read the texts specifically and respond to them independently. Offered every semester.

Prerequisite: EMS.

- EL3560 Literatures of Europe, Part I: Old Testament and Homer to the Renaissance** **4 cr.**
Covers the literary traditions of Europe from the Bible to the Renaissance. Works in these traditions have been foundational for most later writing in English, and for much modern World Literature. Selections vary by semester and have recently included works by Homer, Sophocles, Virgil, Dante, Milton, Shakespeare, and others. Offered annually.
Prerequisite: EMS.
- EL3561 Literatures of Europe, Part II: Age of Enlightenment to the Present** **4 cr.**
Surveys the literary traditions of Europe and its diaspora from the 17th to the 21st centuries. Works in these traditions have inspired modern U.S. and British as well as World Literature. Selections vary by semester; recently the course has included works by Moliere, Voltaire, Dostoevsky, Ibsen, Kafka, Pirandello, Becket, Borges, Camus, and others. Offered annually.
Prerequisite: EMS.
- EL3600 U.S. Literature I—Colonial Period to Civil War** **4 cr.**
Poetry, fiction, essay, and memoir from the colonial period to the U.S. Civil War. Examines significant works representative of Puritanism, the Enlightenment, Romanticism, the “American Renaissance,” Transcendentalism, the voices of Native Americans and women, and the literature of Abolitionism as examples of a developing literary nationalism and as expressions of a multicultural society’s development and struggles. Authors may include William Bradford, Anne Bradstreet, Benjamin Franklin, Phillis Wheatley, James Fenimore Cooper, Richard Allen, Edgar Allan Poe, Nathaniel Hawthorne, Herman Melville, Ralph Waldo Emerson, Frances E.W. Harper, Frederick Douglass, John G. Whittier, Walt Whitman, William Wells Brown, and others. Offered every Fall.
Prerequisite: EMS.
- EL3610 U.S. Literature II—Civil War to the Present** **4 cr.**
Poetry, fiction, drama, essay, and memoir from the U.S. Civil War to the present. Examines significant works representing realism, naturalism, modernism, and postmodernism in literary technique and responding to the evolution and tensions of a multicultural society, including the labor, immigration, civil rights, feminist, and lesbian-gay experiences. Authors may include Mark Twain, Emily Dickinson, Henry James, Charles Chesnut, W.E.B. Du Bois, Sui Sin Far, Willa Cather, Edith Wharton, Langston Hughes, Zora Neale Hurston, Ernest Hemingway, William Faulkner, Richard Wright, Tennessee Williams, Ralph Ellison, Gary Soto, August Wilson, Oscar Hijuelos, Louise Erdrich, Toni Morrison, Audre Lorde, Thom Gunn, and others. Offered every Spring.
Prerequisite: EMS.
- EL3700 Survey of World Literature** **4 cr.**
A study of representative works of world literature from Antiquity to the Modern. The course emphasizes the study and consideration of the literary, cultural, and human significance of selected masterpieces of the Western and non-Western literary traditions. An important objective of the course is to promote an understanding of the literary works in their cultural/historical contexts and of the enduring human values which unite the different literary traditions of the world. This course complements EL3560–61, Literatures of Europe Parts I and II, and so focuses largely on literatures of the non-Western world. Offered every year.
Prerequisite: EMS.
- EL3800 English Literature I: Beowulf to 18th Century, inclusive of Shakespeare** **4 cr.**
A survey course examining the works of major English writers from the Anglo-Saxon period through the 18th century, including the Beowulf poet, Chaucer, Shakespeare, Milton, and Swift. Attention paid to their influence on later writers. Offered every Fall.
Prerequisite: EMS.
- EL3810 English Literature II: Romantics to Present** **4 cr.**
A survey course studying major English writers of the 19th and 20th centuries from the romantic and Victorian periods to contemporary times. Authors may include Wordsworth, Keats, Brontë, G. Eliot, R. Browning, Hardy, Woolf, Joyce, Shaw, and Yeats. Attention paid to their influence on later writers. Offered every Spring.
Prerequisite: EMS.
- EL3865 Literature of Asia** **4 cr.**
This course focuses on the reading and discussion of a number of literary masterpieces, both traditional and contemporary, drawn from the cultures of China, Japan, and India. The range of works presented will provide foundation for considering the influence of history and religion on literature, as well as the ways in which literature shapes culture. Offered periodically.
Prerequisite: EMS.
- EL3870 Literatures of Africa** **4 cr.**
Presents a series of masterworks from African literature and its diaspora against the background of traditional culture, social values, and historical experience. The techniques used by African wordsmiths to evoke their society are examined, beginning with traditional epic oral literature and finishing with the sophisticated works of some of the world’s finest writers. Works by Soyinka, Fugard, Césaire, Achebe, Senghor and others. Offered annually.
Prerequisite: EMS.
- EL3880/ML3480 Masterpieces of Hispanic Literature** **4 cr.**
Selections of outstanding literary works of Spain and Latin America from the picaresque novel to the present. Study includes major writers: Cervantes, Lorca, Unamuno, García Márquez, and others. Given in English. Offered periodically.
Prerequisite: EMS.

EL3901 Introduction to Creative Writing**4 cr.**

Workshop to help imaginative students get their thoughts on paper. Assignments are short and personal, designed to break through “writing block” and uncover talent that might otherwise be neglected. Attention is given to literary forms and terminology. Offered every semester.

*Prerequisite: EMS.***EL3930 Language and Communications Skills for Educators: Issues and Applications****4 cr.**

This course deals with contemporary issues of importance to those contemplating a profession in the field of education. It places special emphasis on improvement of reading, writing, and listening skills, making use of timely professional journal articles as a text. Topics include Writing Across the Curriculum, Standards and Assessment, Classroom Management and Initiation into Professional Life. Reading and discussion of the articles, analysis of grammatical structure, the development of writing skills for the classroom and for achieving success on State exams, and improvement of public speaking to be a successful public educator will be stressed. This course may be required as a condition of satisfying the writing entrance requirement in the School of Education. Offered periodically.

*Prerequisite: EMS.***EL3950 Creative Non-Fiction****4 cr.**

Introduces students to the tradition of creative non-fiction, using readings and writing assignments in which students “adopt” an authorial voice. Students will compare and contrast standard news accounts of an event with creative non-fiction versions in order to see how literary techniques re-define history. Students will analyze and apply different aesthetic strategies for writing creative non-fiction. Some of the authors we will cover are James Baldwin, Alice Walker, Octavio Paz, Charles Baudelaire, Grandmaster Flash and the Furious Five, Ai. Offered periodically.

*Prerequisite: EMS.***EL4000 Native American Literature****4 cr.**

This course explores Native American literary styles such as autobiography and as-told-to narrative from oral traditions as well as contemporary genres: poetry, short fiction, the novel and drama. Special emphasis on structural and thematic elements provides students with an understanding of the Native American world view. Offered periodically.

*Prerequisite: EMS.***EL4010 The Harlem Renaissance****4 cr.**

The Harlem Renaissance of the 1920's decade produced an unprecedented outpouring of artistic works in the literary, visual, and musical arts. From lectures, close textual analysis of assigned readings, student-centered discussions, and oral reports, the class will become familiar with major themes and key writings of Harlem Renaissance authors. Attention will be paid to the struggles of the “New Negro Woman” in her attempt to find a voice during the period. Offered periodically.

*Prerequisite: EMS.***EL4015 Multi-Ethnic Literatures of the United States****4 cr.**

Asian American, Latino, and Native American Literatures play an increasingly important part in the multi-ethnic literary traditions of the United States. This course offers an introduction to one or more of these literatures. Readings include both classic and present-day works in varied genres. The course will include attention to historical contexts, cultural and political meanings, and aesthetic qualities of the literatures. Coverage may vary in different offerings of the course. Offered periodically.

*Prerequisite: EMS.***EL4020 Asian American Literature****4 cr.**

This course examines memoirs, stories, novels, essays, poems, dramas, and films from the 1890s to the 1990s, by Americans of diverse Asian descent, such as Sui Sin Far, Young-hill Kang, Carlos Bulosan, Maxine Hong Kingston, John Okada, Hisaye Yamamoto, Amy Tan, Chang-Rae Lee, and Bharati Mukherjee. Attention will be paid to the historic, biographical, and cultural contexts of each text as well as the aesthetic and literary aspects of its style, language, and structure. Offered periodically.

*Prerequisite: EMS.***EL4030 Women and Narrative****4 cr.**

This course examines novels, stories, letters, journals, poems, essays, and autobiographies by such women as Dorothy Wordsworth, Emily Dickinson, Charlotte Forten, Virginia Woolf, Nella Larsen, Alice Walker, Gloria Anzaldua, and Maxine Hong Kingston. Each student will select the work of one writer for a research paper. Offered every year.

*Prerequisite: EMS.***EL4040 Black Women Writers****4 cr.**

African-American Women Writers introduces students to the themes of social justice that are specific to this literary tradition. The course alternates between reading primary texts and providing the needed historical backdrop. Of the many ideas to be covered a few will be; love, the claiming of one's body, the dual oppression of being a woman and black and the tug-of-war of loyalty. The course may discuss nineteenth and twentieth century writers in comparative perspective, or may focus on recent major authors such as Toni Morrison, Alice Walker and Lorraine Hansberry as well as lesser known writers like Gayle Jones and Toni Cade Bambara. Offered periodically.

Prerequisite: EMS.

EL4050 Lesbian and Gay Literature **4 cr.**

This course primarily focuses on the emergence of gay, lesbian, and transgender literature and culture from the mid-twentieth century to today. Students will read works from various genres, including novels, stories, drama, poetry, and memoirs, and will also watch documentaries. Topics covered include homophobia, coming out, the gay rights movement, lesbian feminism, AIDS, and transgender. Authors may include James Baldwin, Audre Lorde, Adrienne Rich, Essex Hemphill, Tony Kushner, Jeanette Winterson, Leslie Feinberg, and others. Offered periodically.

Prerequisite: EMS.

EL4060 Literature of Class and Class Consciousness **4 cr.**

Class represents a largely unacknowledged “culture” coexisting and interacting with others such as ethnic cultures, women’s experience, and lesbian/gay culture. This course looks at fiction, poetry, and drama about class and class conflict, primarily by writers from working-class backgrounds. Examining class and class consciousness, and the interaction of class and race in the U.S., we will explore how literature has been a medium for members of oppressed groups to voice their experiences, world views, and demands, and also for members of more privileged groups to respond to social change. Offered periodically.

Prerequisite: EMS.

EL4070 Topics in African American Literature **4 cr.**

This course will give an in-depth look at a particular period or genre of African American literature. Topics are offered on a rotating basis. They may include African American Literature 1860-1920; African American Women Writers since the Harlem Renaissance; the “Social Realist” School (for example, Wright, Petry, Killens, Himes); the Black Arts Movement; and others. Offered periodically.

Prerequisite: EMS.

EL4080 Extraordinary Bodies: Disability in Literature **4 cr.**

This course will examine how the depiction of bodily difference in literature leads to crucial questions about normative experience, language, and identity. The course will study the representation of extraordinary bodies in several literary genres autobiography, poetry, fiction, and drama. While some attention will be given to constructions of disability throughout literary history, the particular focus will be on more recent texts written by writers with disabilities who take up the project of identifying themselves outside of “abled” terms. Offered periodically.

Prerequisite: EMS.

EL4090 The Afro-American Novel **4 cr.**

The exploration of the socio-cultural forces shaping the African-American novel from its earliest antecedents through Wright and Baldwin to its contemporary efflorescence in the works of Toni Morrison, Charles Johnson, Edward P. Jones, and others. Some cross-cultural comparison with African and Caribbean novelists will be made. Titles may vary from semester to semester. Offered periodically.

Prerequisite: EMS.

EL4091 Afro-American Poetry and Plays **4 cr.**

Beginning with the work of Phillis Wheatley in the 18th century, this course explores the dominant motifs in African-American poetry, with special focus on the work of Langston Hughes and Gwendolyn Brooks. The second half of the course is devoted to a survey of African-American drama during the Harlem Renaissance, and culminates in an in-depth analysis of the work of Amiri Baraka, Charles Fuller and August Wilson. Offered periodically.

Prerequisite: EMS.

EL4100 English Internship **4 cr.**

Designed to provide majors with grounding in their careers, English Internships are available in a number of specializations, where students work with successful mentors at work sites: Legal Internships in courts and law firms, Publishing Internships in publishing houses, and Cultural Internships in cultural institutions. Enrollment is limited to English majors and requires permission of the chair.

Prerequisites: EMS, “B+” average, and approval of the Chair.

EL4120 Internship in Peer Tutoring in Language Arts **4 cr.**

The internship in peer tutoring deals with the methodology and content of peer tutoring in language arts. Units include communication skills for language arts tutoring, the tutoring cycle, record-keeping, referrals, evaluating writing, the use of computers in tutoring, small group tutoring, long-range and short range goals, resources for language arts tutoring. Enrollment is limited to English majors and School of Education English concentrators and requires permission of the chair.

Prerequisites: EMS, “A-” average, and approval of the Chair.

EL4200 Biblical/Classical Influences on Multicultural Literature **4 cr.**

The Jewish-Christian Bible, Greek epic and drama, and classics such as Dante’s Divine Comedy profoundly influenced later literature and culture, including U.S. and British multicultural literature. This course covers some of the background that multicultural writers such as James Baldwin, Toni Morrison, William Faulkner, and others took for granted in their works. We will examine how these classics shaped later culture through both glorification and criticism of war, conquest, and slavery, through ideas of fate and individual and community salvation, and through examining the problem of evil. Readings include classic works and modern works influenced by them. Offered annually.

Prerequisite: EMS.

EL4300 Twentieth-Century Literature: Colonialism and Post Colonialism **4 cr.**

This course explores selected works of US and British literature in the context of the twentieth-century history of imperialism, colonialism, and post colonialism. We shall read writing from the first half of the century by such authors as W.B. Yeats, Gertrude Stein, Wilfred Owen, Ernest Hemingway, and Sylvia Townsend Warner and its development and critique in works by Zora Neale Hurston, Samuel Beckett, Tim O’Brien, Toni Morrison, Jhumpa Lahiri, and Zadie Smith. Offered periodically.

Prerequisite: EMS.

- EL4311 Greek Drama** **4 cr.**
 The art of drama is one of the legacies of Greece to Western culture. In this course, the development of Greek tragedy and comedy is discussed; plays by Aeschylus, Sophocles, Euripides, and Aristophanes are read as well as 20th century dramas based on these 5th century works. Some attention is also given to the criticism of Greek tragedy by Plato and Aristotle. Offered periodically.
Prerequisite: EMS.
- EL4312 Greek Mythology** **4 cr.**
 This course aims to introduce students of widely differing backgrounds and academic preparation to Greek mythology. In addition to Homer's *Odyssey* which is read in its entirety, students read Hesiod's *Theogony* and other original source materials. The acquisition of knowledge of the myths paves the way for discussion of the following topics, among others: psychoanalytic and other interpretations of Greek myth, recurrent themes in myth, the relationship between myth and folktale, the transformation of myth by writers and artists, and the role of myth in a scientific and technological society. Offered every semester.
Prerequisite: EMS.
- EL4325 Shakespeare: Selected Plays** **4 cr.**
 Selected plays by Shakespeare will be read and examined critically and analytically through discussion of these works and of the historical context of the Elizabethan theater and world view. The focus will also be on the richness and variety of Shakespearean language and thought. Study includes close reading of some well-known Shakespearean tragedies and comedies as well as viewing of plays on film. Offered periodically.
Prerequisite: EMS.
- EL4400 Critical Theory** **4 cr.**
 Critical theory is perhaps the fastest-growing field of English study since 1980; students entering graduate programs in English now need to have knowledge of the subject. This course will include such classical theorists as Plato and Aristotle but will focus mainly on twentieth-century theory, from the "new" criticism of the 1950s through structuralism, deconstructionism, new historicism, and feminist historicism to current postcolonialist and queer theory. Offered periodically.
Prerequisite: EMS.
- EL4405 Caribbean Literature** **4 cr.**
 Literature of the Anglophone Caribbean, from oral song and James' *Minty Alley* to Naipaul, Walcott, and writers of the Caribbean diaspora. The complexities of the relationship between colonizer and colonized, the transformation of that relationship by "the unmasking of imperial fictions," and the evolution of new forms of discourse will govern the selection of texts. Offered periodically.
Prerequisite: EMS.
- EL4500 Topics in British/U.S. Literature** **4 cr.**
 This course gives in-depth knowledge of particular periods and genres of literature; topics are offered on a rotating basis. They may include nineteenth-century British fiction; periods and genres in U.S. literature; seventeenth- and eighteenth-century British literature; women writers 1760-1840, and others. Offered periodically.
Prerequisite: EMS.
- EL4510 Modern Drama and Theater** **4 cr.**
 This course will involve reading and viewing critically and analytically plays dealing with important themes and political issues from the late nineteenth century to today. Students will learn to see the theater as a social institution, a form of communication, a means of consciousness-raising, and a site for artistic innovation. Plays may include works by Henrik Ibsen, G.B. Shaw, Eugene O'Neill, Eugene Lonesco, Tennessee Williams, Arthur Miller, Lorraine Hansberry, Edward Albee, Amiri Baraka, August Wilson, David Henry Hwang, Tony Kushner and Anna Devereaux Smith. Class will likely take at least one trip into Manhattan to see a live performance. Offered periodically.
Prerequisite: EMS.
- EL4550 Modern British Literature 1890 – 1960** **4 cr.**
 Selected works of several writers in English such as Conrad, Shaw, Yeats, Joyce, Eliot, Lawrence, Woolf, O'Casey, and others, who greatly influenced the literature and the thought of the twentieth century. Offered periodically.
Prerequisite: EMS.
- EL4560 Multicultural British Literature since 1960** **4 cr.**
 Although the global British Empire came to an end in the twentieth century, the literature of Great Britain became increasingly diverse. Waves of immigrants from former parts of the empire, the anti-immigrant fervor of the 1970s-1980s and its backlash, the women's rights movement, and the continued and often quite creative re-examination of the literary tradition set the stage for the emergence of a provocative body of works reflecting the multicultural nature of contemporary Britain. This course will examine works of poetry, drama, fiction and non-fiction that illustrate the diversity of British literature over the past fifty years. Course material may include works by Philip Larkin, Jean Rhys, Seamus Heaney, Salman Rushdie, Kureishi, Zadie Smith, Grace Nichols, Jeanette Winterson, Ian McEwan and Monica Ali. Offered periodically.
Prerequisite: EMS.
- EL4600 Literature of India** **4 cr.**
 Indian tradition regards literature as a way of knowledge as well as aesthetic experience. Through examples of the major epics, classical poetry and drama, the medieval devotional lyrics, and samples of modern Indian literature, this course aims at providing the students an opportunity to gain awareness of the values and attitudes that have shaped the culture of the Indian subcontinent. Offered periodically.
Prerequisite: EMS.

EL/ML4630 Latin American Literature**4 cr.**

This course emphasizes key literary movements in Latin America since the conquest. We will examine pre-Columbian texts together with the description of the Americas by early European gaze. We will analyze the collision of cultures, the baroque, romanticism and independence, ideas of Civilization and Barbarism, modernism, the avant-garde and magical realist movements. We will study European and African influences on Latin American letters and how these influences evolved into a Latin American expression. Finally, we will analyze how Latin America became a leading authority in world literature. Offered periodically.

Prerequisite: EMS.

EL4640/ML4645 French Literature**4 cr.**

This survey course is intended to serve as an introduction to French literature from the French classical age, in the 17th century, to the present time. Students will be guided through the reading and analysis of narrative fiction, plays and poems by major French writers so as to develop an understanding of the aesthetic and intellectual currents that have shaped French literature. Readings will be organized around thematic modules rather than in chronological order. Topics may include: representations of the self; stories of love and desire; the making of modernity; tradition and experimentation; social reflections; colonialism and post-colonialism, among others. Offered periodically.

Prerequisite: EMS.

EL4650 Literature of Russia and Eastern Europe**4 cr.**

This course is a sampling of the wonders of the Russian literary imagination, or, as Vladimir Nabokov might say, of its peculiar magic. No other literature has so influenced literature and thought in the rest of the world; perhaps no other national literature has produced so many world masterpieces in so short a time, the 185 years or so since Alexander Pushkin's first publication. Russian literature is unique in its engagements with the social world, as Russia has gone through two centuries of political struggles and revolutions, but it also explores the privacy of the human heart and the giant questions of philosophy and religion. The course devotes roughly equal time to 19th and 20th century literature and, in most offerings, will include some literature from Russian-influenced countries in Eastern Europe. Offered periodically.

Prerequisite: EMS.

EL4800 Major Authors**4 cr.**

This course examines the development of one or more authors, tracing key themes, influences, shifts and continuities, and aesthetic development in the context of cultural and political forces. Authors are selected on the basis of having made landmark contributions to the continuing development of literature. Recent offerings have included James Baldwin, William Blake, Ralph Ellison, William Faulkner, F. Scott Fitzgerald, Toni Morrison, Mary Shelley, Mary Wollstonecraft, and Virginia Woolf, and others may be selected in the future. Offered every semester.

Prerequisites: EMS, Completion of EL3500 and EL3510. Previous 4000 level English courses strongly advised.

EL5000 Senior Seminar I: Research and Writing**4 cr.**

Autobiographical and biographical works focusing on intellectual development aid students in understanding issues of personal and career identity, the impact of literary study on the formation of self, and related topics. Classwork stresses research and documentation skills and participation in a seminar setting in which each student presents some independent research to the class. In preparation for the senior thesis, students compose their own intellectual autobiographies tracing their growth and development as English majors. Students must complete a senior thesis proposal to pass the course. Offered every semester.

Prerequisites: EMS, Senior standing. Completion of a minimum of 20 to 24 credits in the English major strongly advised.

EL5010 Senior Seminar II: Thesis**4 cr.**

Under supervision of seminar director, students complete the senior thesis from sequential, critiqued drafts to finished manuscript. Students work intensively with a Thesis Director. Seminar sessions continue development of research and writing skills stressing the integration of research within the student's own analysis and presentation. Sessions include collaborative readings of work in progress, peer review, oral reports, and presentation of senior thesis. Offered every Spring.

Prerequisites: EMS, Completion of EL5000.

FIRST-YEAR SEMINAR COURSES

All course offerings are contingent on budgetary allocations, faculty resources and enrollment figures and, unless otherwise indicated, are offered in accordance with student demand.

COMMUNITY ACTION, LEARNING AND LEADERSHIP COURSES

CL1000 Introduction to Community Learning **1 cr.**

This course introduces students to community-based learning and action, challenging them to confront the big questions facing the world today by participating in and reflecting upon civic engagement activities. The goal of this class is to foster active learning, to promote intercultural understanding, and to build academic, interpersonal, organizational and leadership skills.

CL2000 Community Learning Seminar and Placement **2 cr.**

This course integrates community-based learning and action into the first-year curriculum, challenging students to confront the big questions facing the world today by participating in and reflecting upon civic engagement activities. Students are engaged both personally and intellectually at the very beginning of their academic journey in structured service-learning activities and reflective projects, introducing them to Old Westbury's social justice mission and encouraging their college and community involvement. By integrating academic study with field experience, this first-year civic engagement course provides an analysis of social issues while addressing real community needs. The goal of this class is to foster active learning, to promote intercultural understanding, and to build intellectual, interpersonal, organizational and leadership skills. In addition to meeting once a week in class, students participate in a 50 hour service-learning placement, based upon the particular seminar and linked course content and objectives. Students will be expected to attend mandatory workshops and campus events. CL2000 is linked to a General Education course, whose section is designated CL, and introduces first-year students to the OW CALL Program.

CL 3000 College and Community **2-4 cr.**

College and Community is an advanced Community Action, Learning and Leadership (CALL) course. Students engage more deeply in community-based action and reflective projects that promote a critical analysis of social issues and an understanding of the responsibilities of global citizenship. Students volunteer for 80-140 hours (depending upon course credit) in community placements, here and abroad, with CALL partner organizations, based upon their academic, career and social justice interests.

FY1000 Ethics of Engagement **4 cr.**

This course introduces students to academic and campus life at Old Westbury, emphasizing the themes of self-discovery, the meaning of a liberal education, the relationship of the individual to society and the nature of values and of personal and social responsibility. By situating the major intellectual and emotional challenges students confront in their first year of college within the framework of ethics, the course encourages students to evaluate their ideas and assumptions, and the impact of their decisions on themselves, their community and the world.

Organized around a series of ever-widening concentric circles, the course moves from a discussion of the role of ethics in individual life, to ethics in personal relationships, to ethics in the Old Westbury community and culminates in the quest for social justice and sustainability in the American and global context. In the process, students are challenged to consider multiple perspectives and to reflect upon their identities, values and aspirations within the larger common good. The course fosters critical thinking and the effective articulation of ideas by introducing students to the close reading of texts and the writing of substantive analytical essays that are the basis of most college learning. Students will also be expected to write weekly reflective journals and to produce a final project. FY1000 is "linked" to a General Education course in a Learning Community.

Corequisite: A "linked" general education course will be required.

FY3000 Undergraduate Teaching Assistant Seminar **4 cr.**

This course trains students to be effective teaching assistants. Teaching assistants will regularly attend an assigned section of a First-Year Seminar course and work closely with the instructor of the course. Teaching assistants will also be required to attend a one-hour a week seminar with either the Director or Assistant Director of the First-Year Experience.

Prerequisite: "B" average; upper-division standing; permission of the First-Year Experience Program

FY4000 Advanced Undergraduate Teaching Assistant Seminar **4 cr.**

This course allows students who have taken FY3000 to work more closely with students. They are able to provide mentoring, advising assistance as well as sharing their prior experience from the FY3000 students. Teaching assistants are required to meet with either the Director or Assistant Director of the First-Year Experience for a one-hour a week seminar.

Prerequisite: FY3000 and permission of the First-Year Experience Program

HISTORY AND PHILOSOPHY COURSES

Skills Recommendations

Unless otherwise indicated, the following writing skills levels are levels for the designated course levels:

Skills Level	Course Level
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EC I	2000
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EC II	3000
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EMS	4000, 5000
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HI1010 World Religions – West

4 cr.

This course provides an introduction to the three major religions that share a common belief in the God of Abraham: Judaism, Christianity, and Islam. We will look at the history, beliefs, and practices of each religion separately, but also at the ways they have interacted. These interactions—sometimes peaceful and creative; sometimes violent—have been a major shaping force in Western civilization, from the development and transmission of Greek philosophy through the Crusades, the Holocaust and the ongoing definition of “Western values.” Study of Judaism, Christianity, and Islam leads to a deepened understanding of principles of theology and ethics, as well as current issues in religious and community life.

HI1020 World Religions – East

4 cr.

It is often said that what is needed in modern life is more “spirituality”—a balance of inward and outward awareness that is often associated with eastern religions. But what do these traditions really mean for people who practice them? This course provides an introduction to the major belief systems and practices of eastern and southern Asia: Hinduism, Buddhism, Confucianism, Taoism, and Shintoism. We will look at the evolution of each of these religions, considering the ways they have inspired individuals and shaped civilizations through cosmology, ritual, literature and art. We will also look at the ways that these traditions influence societies, including our own, that are far from the religions’ places of origin.

HI1240 Comparative Cultures

4 cr.

This course will provide the student with a foundation for the study of cultures and current social issues from an anthropological perspective. Readings will include articles and, where appropriate, fiction, concerning such issues as gender, race, and class, as well as the tensions and opportunities facing traditional communities, such as tribal societies, in a changing world. Offered annually.

HI2155 Introduction to Comparative Religion

4 cr.

Considers the nature and origin of religion, elements of religious practice and thought (symbol, myth, the sacred), ways of being religious, and religion as a basis of community. Methods of analysis include ethical, psychological, sociological, historical, and theological. Offered periodically.

HI2200 Science in Western Civilization

4 cr.

A broad, introductory survey of the development of scientific ideas in the West from ancient times to the 20th century, with an emphasis on the major figures and ideas, and key turning points. The course will present selective social and intellectual contexts of science as well as the role of science in shaping Western thought. Offered annually.

HI2250 Introduction to the Humanities

4 cr.

What does it mean to be human? What is our place in the scale of being? How have we confronted and how do we now confront the issues of life and death, justice and law, knowledge and truth? This course will deal with these and other basic problems of the human condition, although the particular approach will vary with instructor. Through the close reading of basic texts in the humanities, students will be introduced to some traditional and contemporary approaches to these questions and will have the opportunity to explore and express their own views on these issues. Offered annually.

HI2350 Acting

4 cr.

The course will introduce acting as an intellectual and emotional process, giving each its due while at the same time respecting Theatre as Show Biz. We start with the premise that the foundation of acting comes from the spontaneous interaction of the actor with him or herself, other actors, the audience, and the script. Therefore, we will work with improvisation, games and then apply them to the script to enhance the script’s thematic intentions. We will examine scenes to understand their structure and the meaning and then build layers of emotion into them from the actor’s experience and the rehearsal experience. The course will culminate in a performance. Offered annually.

HI2511 World History I: The Non-Western World

4 cr.

The first semester of a year long sequence in World History, this course surveys the history and culture of five regions of the world: the Middle East, sub-Saharan Africa, China, India and Japan. Our goal is to gain an understanding of each country’s/culture’s place in world history both in the past and in the present. To that end we will study maps and regional geographical features, survey crucial historical periods and events and study short selections from religion, philosophy and literature. In the last section of the course, student reports will focus our attention on each civilization’s unique contributions to the history of our world. Offered annually.

HI2521 World History II: Western Civilization

4 cr.

This course will explore the origins, dynamics and development of Western Civilization. Emphasis will be given to the shaping of political, economic, social, religious, intellectual as well as cultural aspects from the dawn of the West to the Renaissance. In particular, the course will examine the civilizations of the Near East, Egypt, Greece, Rome, Byzantium as well as the making of feudal society and the rise of modernity in the West. Students will understand the heritage of the West and its connection with modern times. Offered annually.

- HI2681 Introduction to European History: 1350-Present** **4 cr.**
 A systematic survey of European political, social, economic, cultural and intellectual history since the Renaissance. The course provides the student with the story of the origins, the pre-conditions, and the continuity of the “making” of the new Europe up to the present. Topics include the age of discovery, nation building, despotism, romanticism, nationalism, science and technology, ideologies and revolutions. An excellent basis for the further study of European history in upper-division courses. Offered annually.
- HI2700 Introduction to Logic** **4 cr.**
 This course is designed to sharpen the student’s analytical abilities and powers of reasoning and argumentation. Topics will include types of argument, the structure of argument, how to recognize arguments that are emotionally persuasive but logically fallacious, and the fundamentals of modern, symbolic logic which is the basis for computer languages. The course will stress the practical value of the principles taught and will relate class work to communication skills in general. Offered annually.
Prerequisite: ECII.
- HI2720 Introduction to Philosophy** **4 cr.**
 Serves as an introduction to the role of philosophy in human life. Philosophy will be examined in terms of both its analytical and speculative functions. Of concern will be the relation of philosophical insights to certain compelling contemporary issues. Some of the issues discussed will be the nature of knowledge and truth, the relation of values (both moral and aesthetic) to society, free will, and justice and society. Readings will be drawn from classical and contemporary philosophers. Offered every semester.
- HI3002 Rise of Reason: The Classical Origins of Western Culture** **4 cr.**
 An introduction to the Greek and Roman origins of Western civilization. This course aims, through a critical study of the works of the greatest minds and literary artists of Greece and Rome, to give an understanding of their contributions to western culture, to provoke thinking on basic problems of human experience, to develop literary taste and judgment, and to improve skills in oral discussion and written analysis. Readings are drawn from the following major genres: epic, tragedy, history and philosophy. Offered annually.
- HI3011 Foundations of the Judeo-Christian Tradition** **4 cr.**
 Western civilization is often characterized as the dynamic interplay of two cultural traditions referred to in convenient shorthand as “Athens and Jerusalem.” This course will examine “Jerusalem”: the text, figures, themes, and ideas that have defined the Judeo-Christian tradition. The course will emphasize the reading of the Biblical text itself beginning with Genesis and ending with selections from the Pauline tradition. Offered annually.
- HI3021 Europe in the Middle Ages** **4 cr.**
 Western values and institutions were formed in the medieval synthesis of Greek philosophy, Roman law, Hebrew/Christian religion, and Germanic folk culture. This course explores the cultural products of that synthesis in art, literature, and religion, and examines the roots of western attitudes toward race, class, nationalism, and war. Taught as social history, it emphasizes the economic and political context in which the cultural foundations of the modern West were forged. Offered annually.
- HI3030 From God to the Machine: Europe from the Sixteenth to the Eighteenth Centuries** **4 cr.**
 The course will conduct a broad-based examination of the development of the modern mechanistic world-view. Topics will include the Scientific Revolution and Enlightenment, the series of political revolutions that moved Europe from Divine-Right Monarchy to Constitutional Democracy, and the socioeconomic transformations wrought by the Industrial Revolution that moved the mass of Europeans from an animate natural environment to a mechanistic urban milieu, creating the conditions in which reason replaced faith as the common sense of the common man. Offered annually.
- HI3040 Analysis of Culture** **4 cr.**
 Exploration of the role of culture in shaping human action and experience. Various approaches to the explanation of culture are considered in the context of the development of social science. Students learn to interpret their own culture and other cultures as systems of knowledge and value. Especially important are the ways culture conditions the effects of social forces in daily life. Offered annually.
- HI3080 Asian Cultures** **4 cr.**
 An introduction to the historical and cultural traditions of India, China and Japan. This course invites students to explore the major traditions, ideas, values and social systems that shaped the lives of the peoples of these three Asian countries in the past and that continue to do so today. Students are encouraged to explore their reactions to these unfamiliar ways of life while, at the same time, gaining the ability to view each civilization and culture from its own perspective. Offered annually.
- HI3091 African Cultures** **4 cr.**
 An exploration of African civilization, concentrating on the systems of ideas, values, and institutions developed by Sub-Saharan peoples in the context of their historical experience. The unity and diversity of African cultures are related to the economic, political, and social forces operating upon them in relation to the contemporary search for African self-determination. Offered annually.
- HI3102 Hispanic Heritage** **4 cr.**
 Taught in English. The Moorish (Muslim) invasion of the Iberian Peninsula in 711 AD, together with the growing presence of Jewish culture and religion in the Iberian Peninsula (Spain and Portugal), transformed the history and culture of the region in ways that are still visible today. Spain’s world-view, religion, artistic and intellectual expression, architecture, and most importantly its language, are a result of that cross-cultural evolution that started more than twelve centuries ago. This course will explore the pivotal role played by Spain in modern European history and culture. Topics, such as the Counter Reformation, the Inquisition, the “Golden Age,” the “merging of cultures” as a result of Spain’s conquest of the New World, and modern Imperialism will be studied and analyzed as part of the Western tradition. Offered every fall.

- HI3110 Latin American Culture** **4 cr.**
 This history of the Latin American countries is studied from its origins through today. Topics explored include the Amerindian cultures, European conquest and colonialism, African slavery, revolution and independence, “caudillismo” and dictatorships. These topics will be studied through the use of maps, films and literature. Offered annually.
- HI3130 The Black Church in America** **4 cr.**
 This course examines the development of the Black Christian Church in its visible and “invisible institutional forms during the colonial period, and the merging of these two branches, free and slave, following the Civil War. Also the emergence of Holiness and Pentecostal sects, the impact of urban migrations on black spiritual expression, the Black church and civil rights, gender issues, and the recent challenge of Islam will be dealt with.
- HI3200 Contemporary Religious Experience** **4 cr.**
 This course introduces students to the major forms of religious worship and practice in the world today. Videos and field trips as well as readings will be used to develop insights into the distinctive features of worship in various branches of well-defined world religions—Christianity, Islam, Hinduism, and Buddhism—as well as less known or less defined paths such as Sikhism, Rastafarianism, and traditional Caribbean and North American traditions. In addition to exploring distinctions and influences, we will consider the nature of worshippers’ experiences of their faiths. At least one semester of academic study of religion is recommended as a prerequisite for this course.
- HI3323 Buddhism** **4 cr.**
 This course offers an introduction to the historical, socio-cultural, and philosophical dimensions of Buddhism. It begins with the founding of the religion in India by Gautama Buddha and proceeds to trace its many philosophical trajectories and its multi-cultural history extending throughout Southern and Eastern Asia and beyond. The second half of the semester focuses on the Mahayana Buddhist tradition as a case study in the “attaining of enlightenment” by ordinary individuals, analyzing how this tradition has been shaped by historical and cultural forces as well as how it may apply to contemporary issues in our increasingly globalized world. Offered periodically.
- HI3351 Acting the Classics** **4 cr.**
 Acting 2 is a scene study class in which students will work on scenes from the classics of dramatic literature. The approach to actor training will be eclectic but largely based on the realistic style of acting developed by the actor, teacher, writer, director, and theater manager Constantine Stanislavski and contemporary teachers. Actors will keep journals in which they will document their progress in their scenes, insights about the world around them as they apply them to their scenes and the plays from which the scenes were taken, and their literary and theatrical analysis of the text. The course will culminate in a final performance to which friends and relatives will be welcome. Offered periodically.
- Prerequisite: Any one of HI2350, EL2310, EL4325, or EL4510, or permission of the instructor based on previous acting training or experience.*
- HI3455 Modern European Revolutions** **4 cr.**
 A comprehensive analysis of Europe’s most dramatic revolutions that have fundamentally transformed modern life. The course will focus the French Revolution, the Revolutions of 1848, the Paris Commune, and the Russian Revolution. The ideological and socio-economic background of each revolution will be examined in the context of Europe’s larger cultural, social, and economic development. Offered periodically.
- HI3525 Ancient Greek Philosophy** **4 cr.**
 An historical introduction to the foundations of Western thought in Ancient Greece and Alexandria. The course focuses on the philosophies of the pre-Socratics, Plato, Aristotle, the Stoics, the Epicureans, and the Neoplatonists. Readings include short selections from the corpus of the Platonic dialogues, Aristotle, and Plotinus. Offered periodically.
- HI3558 Classical Greco-Roman History** **4 cr.**
 This course will develop an appreciation and understanding of the history of Classical Greek and Roman civilization. It will survey various aspects of society beginning with the early Minoan and Mycenaean civilization and ending with the fall of the Western Roman Empire. The course goals are for students to learn the historical and cultural framework of Greek and Roman civilizations; to understand the social, ethical and religious setting as well as the philosophical thought of the time; to comprehend geographical locations, the names of prominent people in history and their political and military contributions as these influenced both their times and today; to explore the relationship of Greco-Roman civilization to neighboring civilizations to the east and the peoples to the north; and to apply critical and creative thinking to the study of ancient leaders and extrapolate what can be learned from their life experiences. Offered annually.
- HI3600 Global Geography: People, Places and Environments** **4 cr.**
 This course develops a human geography approach to a diversity of political economic and cultural topics of global importance from an international, cross-cultural and historical perspective. It highlights the roots of contemporary global relationships among places as they influence political and economic trends. A wide and shifting range of topics are covered including, among others, the political economy of the world system, globalization and development, geopolitics, the geography of food and agriculture and urban geography. This course also introduces students to us the data of critical thinking skills necessary for a geographical analysis and to sharpen their global awareness. Offered every semester.
- HI3610 America’s African Heritage** **4 cr.**
 An examination of the role of Africans in the shaping of America’s culture and society up to the present. An interdisciplinary study of the notion of cultural continuity, and of cultural carryovers as they have impacted upon language, music, art forms, religious worship, and political life. Offered periodically.

- HI3640 African History** **4 cr.**
 Approaches the history of Africa from the viewpoint of African people. Archaeological records, oral tradition and documentary sources bring ancient and medieval Africa to life. Later units will focus on important themes and debates in African history today. Students will come to understand African civilization in the context of who Africans are, the social forces that have shaped their experience, and the new directions and problems they face in the post-independence era. Offered annually.
- HI3692 Modern Asian History** **4 cr.**
 A survey of the historical, political, economic and social changes that re-shaped the Asian world from the mid-nineteenth century to the present day, with special emphasis on the countries of China and Japan. This course uses the award-winning film series "The Pacific Century" to introduce students to the central problems and issues facing Asia in the modern world. Offered annually.
- HI3700 Historical Geography of Latin America** **4 cr.**
 This course is an exploration of the construction of Latin America as a geographical region from colonial times to the present. The course focuses on the economic and cultural processes involved in production the region over time. We also look at how the region has historically been divided into sub-regions and specific countries, placing an emphasis on the political economic forces underlying these division. In addition, the course pays particular attention to the cultural production of Latin American sub-regions with an emphasis on the history of various racial groups in different parts of the region. Offered annually.
- HI3703 Modern Philosophy** **4 cr.**
 This course will examine some of the major philosophers of the modern period. Readings will be drawn from thinkers including Descartes, Hume, Kant, Hegel, Marx, Kierkegaard, Nietzsche. The course will conclude with selected topics and issues in 20th Century thought. Offered periodically.
- HI3704 African Religions and Philosophy** **4 cr.**
 The view of the African cosmology and religion as a system of thought. Principles of what constitutes African philosophy and religion will be examined to analyze the effects on society and politics. The study includes animism, Christianity and Islam. Offered periodically.
- HI3710 Contemporary Philosophical Issues** **4 cr.**
 This course provides a focused analysis of philosophical questions central to contemporary social and political debate. Topics will be drawn from such current issues as war and peace, terrorism and just war theory, human rights, the philosophy of race and gender, the philosophy of law, the nature of social justice, and biomedical and professional ethics.
 Offered periodically
- HI3752 Ethics** **4 cr.**
 What principles should guide my actions? Are moral values relative or absolute? What is the relationship between law and morality? Why should I be moral? The first part of the course will examine the answers to these questions in the works of such thinkers as Plato, Kant, Mill, and James. The second half of the semester will apply these traditional ethical views to contemporary issues such as human rights, the environment, abortion, euthanasia, and racial and sexual discrimination. Offered annually.
- HI3835 Islamic Cultures** **4 cr.**
 This course provides an introduction to Islam as a way of life, and its institutions, and culture. Beginning with the socio-economic background of pre-Islamic Arabia, we will explore the radically transforming message of the Quran and the personality of Muhammad as spiritual and political leader. Students will gain insight into the spread of Islam, as it developed from a regional faith into a force in world civilization, with emphasis on its emerging role in contemporary North American society. Offered annually.
- HI3840 Crescent and Cross: Islam and Christianity in History** **4 cr.**
 This course provides an introduction to the roles that Islam and Christianity have played in the history and social structures of the Middle East and Europe. After presentation of the origins and essential principles of both faiths, we will explore the interactions of the faith communities across geographic and ideological boundaries, concluding with consideration of how Muslim/ Christian dialogue and conflict shape our world today. Offered annually.
- HI3950 Philosophy of Religion** **4 cr.**
 The course is an examination of religion and the logic of religious discourse. It explores formal, philosophical, and mystical types of theologies; epistemological ethics of revelation, sin, guilt, faith, and salvation; the concept of and arguments for the existence of God; paradigms of experiential religion, such as the encounter of the human being with the divine in Judaism, the experience of love in Christianity, the surrender as de-alienation in the Islamic Sufi vision, and the dialectics of dynamic interdependence expressed as yin-yang in Daoism. A consideration of psychological accounts of religion, challenges of naturalism, existential atheism, and philosophical analysis. Offered periodically.
- HI3995 Career Internship for CH Majors**
 Internships are available (credit varies) for students in a range of public and private organizations. Recent sponsors have included a public television station, a social services agency, the United Nations, and a consulting firm. See the Chair for requirements and details about current possibilities.
- HI4001 Nineteenth Century** **4 cr.**
 The impact of European culture and imperialism on the peoples of India and Japan. Literary works of the period are used to highlight the changes reshaping Europe in the early nineteenth century, the encounters between Europeans and Asian peoples which accompanied the expansion of Europe and the attempts of Europeans and Asians to come to terms with these encounters. Readings include Dickens' *Hard Times*, stories by Rudyard Kipling and Rabindranath Tagore, *Botchan* by Natsume Soseki. Offered periodically.

- HI4011 Twentieth Century** **4 cr.**
 The mutual impact of cultures throughout the world; the end of nineteenth century colonialism; revolutions and wars; the emergence of the “third world.” Study of the interrelationship of European with Asian and African cultures in the twentieth century. Readings include novels from several cultures. Offered each spring.
- HI4051 Logic and Scientific Reasoning** **4 cr.**
 An introduction to scientific reasoning, including elementary logic, theory testing and decision-making. A practical course designed to help students read and interpret scientific findings, especially reports that appear in popular magazines and newspapers. More specific topics include probability, causal and statistical hypotheses, correlations, causation and sampling techniques. Although the course offers special benefits to students in the sciences and social sciences, no technical background is assumed. Offered periodically.
- HI4062 Making History** **4 cr.**
 Students will examine a variety of approaches to the study and writing of history. The course challenges the popular conceptions of history as a simple record of the past and of historians as the keepers of that record. The aim is to reveal the active role of the historian in the making of history and to show the uses of the past in the present and for the future. Offered annually.
- HI4305 Islam and the Quran** **4 cr.**
 Through readings in the scripture, this course will introduce students to the character and content of the Quran, to gain an appreciation of its role in Muslim worship and community. In addition, the class will examine conceptions of revelation, prophethood, hidden or “mystical” truth, and basic theological questions in Islam. In examining modes of interpretation, students will gain insight into the development of schools of Islamic law and the differences between groups such as Sunni, Shia, and Sufi. Offered alternate years.
- HI4306 Golden Age of Islam** **4 cr.**
 This course focuses on the intellectual and cultural achievements of Islamic civilization, from Islam’s emergence to Arabia in the 7th century through the Mongol invasions in the 13th century. Topics include: the development of Islamic law, science, arts, philosophy; the role of trade and the teachings of mysticism, and the rise of distinctive Persian and Turkish cultures in Islamic settings. The interactions of Islamic civilization with Byzantium and Europe, as well as Central Asia nomadic groups, will be discussed.
- HI4308 Islam in the Modern World** **4 cr.**
 In this interdisciplinary course, students will explore the convergence of ideas, ideologies, and forms that have shaped views of Islam by Muslims and non-Muslims from the 18th century until the present. By engaging with the writings by a variety of political and literary thinkers, students will work toward a better understanding of prominent movements and concerns during this period. Topics include Islamic fundamentalism (Wahhabism); Islamist reform movements leading to emergence from under colonial powers; the Iranian Revolution; Palestine and Israel; Muslim women and modernity; and the encounter between Muslims and secular culture in the US, Europe, India, and elsewhere. Offered in alternate years.
- HI4318 Islamic Philosophy and Mysticism** **4 cr.**
 This course is an introduction to the history of Islamic philosophy and mysticism. It covers topics of human concern such as the ethical role of love and knowledge of the good life and human happiness. The course will compare Muslim and Western philosophers on topics such as “being,” philosophical analysis, and “process metaphysics.” The themes of the “clash of civilizations” vs. dialogue among cultures/philosophical issues will be explored. Offered periodically.
- HI4395 Philosophy from the 20th to the 21st Century** **4 cr.**
 This course covers highlights of philosophy in the twentieth and twenty first centuries. It begins with Modern European thought (British empiricism, continental rationalism) and its development in the nineteenth century (I. Kant and German Idealism); continues with early and later analytical philosophy; turns thereafter to existentialism, phenomenology, and pragmatism; and culminates in the philosophy of A. N. Whitehead. Readings include key selections from the works of Carnap, Sartre, Dewey, Heidegger, and the later works of Wittgenstein. Offered periodically.
- HI4415 Europe of the Dictators** **4 cr.**
 The course focuses on the rise of the totalitarian regimes (Fascism, Stalinism and Nazism) in the context of the development of modern Europe. It begins by tracing their roots in the nineteenth century; surveys their appearance and development in the early twentieth century, and concludes with the collapse of the Soviet bloc and the emergence of the new Europe in the 1980s and 1990s. Offered annually.
- HI4420 Women and Witchcraft** **4 cr.**
 Witchcraft has generally been associated with women. The course examines the relationship between women and witchcraft in order to uncover the roots and assess the consequences of this association. It begins with a look at the anthropological record, focuses on the early modern witch persecutions, and concludes with an examination of the survival of witchcraft beliefs and their relationship to women in the present. Offered periodically.
- HI4557 Renaissance and Reformation in Europe** **4 cr.**
 The foundations of Modern Europe were laid in the two movements examined in this course. It begins with the revival of pagan classical culture in the commercial and urban milieu of Renaissance Italy, and traces the diffusion of the artistic and intellectual movement pioneered there to the rest of Europe. As Renaissance culture spread, it merged with existing traditions, and thereby contributed to the Reformation, a religious reform movement that transformed the Christian religion and convulsed Europe for more than a century. The course emphasizes the interconnections between Europe’s socio-economic development, its political upheavals, and its dramatic cultural achievements. Offered every other year.
- HI4600 World Regional Geography** **4 cr.**
 This course focuses on the heightened connections between different parts of the world through a survey of the world’s major regions. The course not only provides a description of the different environmental, economic, cultural, political and social aspects of world

regions, it provides an understanding of the differential effects on globalization as it interacts with particular local and regional settings. This course should give students a broad, yet relevant understanding of the world in which they live and how histories and events of distant regions are related to their daily lives. Offered annually.

HI4632 Japanese History through Literature 4 cr.

From Samurai to Businessmen: a survey of Japanese history and culture as seen in the literature of Japan from before the days of the Samurai warrior to the world of the modern business corporation. Special emphasis on aspects of Japanese culture that remain important today: the question of Japan as a country of cultural “imitators”; the relationship between the traditional importance of groups in Japanese society and Japan’s enormous industrial success; and the significance of the Japanese emphasis on skills of art and violence—once so admired in Samurai warriors and still highly valued today. Offered periodically.

HI4650 The History of African Enslavement 4 cr.

The study of African slavery from pre-European contact until the present. Topics that will be covered are slavery as indigenous concepts, the Afro-Arab slave trade, the trans-Atlantic slave trade and modern 20th century slavery. All will be viewed from social, economic and political perspectives. Offered periodically.

HI4800 History of India 4 cr.

Fat Maharajas atop bejeweled elephants, naked holy men sitting silently along the roadside, ragged children begging for scraps of food, maddened zealots attacking each other from caste hatred or religious fanaticism—these are the stark images that dominate American and Western ideas about India. But India’s 5,000-year history offers much more. From the intricacies of an ancient Sanskrit-based culture and the grandeur of Mughal tombs to the vibrancy of modern Bollywood films and the contending ethnic/religious identities of post Independence India—India’s history tells the story of how diverse populations wove together their different ways of life to create the multi-dimensional tapestry that is India today. This one semester course explores the vibrant diversity of India’s past with an emphasis on its multiple legacies and the ways 20th and 21st century Indians have used these legacies to construct modern identities and a modern, democratic nation. Offered annually.

HI4850 Domesticity in the 19th and Early 20th Century 4 cr.

“A place for everything and everything in its place.” This trans-regional history course explores the spread of European, middle-class ideas about home and family life—global domesticity—throughout the 19th century world, with special focus on origins in England and development in and impact on America, India and Africa. What relationship should exist between a husband and a wife, how a mother should raise her children, even how kitchen spices should be arranged on a storeroom wall—all became issues for debate and contestation. We look at these debates and conflicts through domestic manuals produced in these countries and through the life stories of people (mostly women) who wrote and/or read these materials. Offered annually.

HI4900 Modern China – a Study Abroad Course on Chinese Civilization 4 cr.

Offered in conjunction with the faculty and staff of a university in China. Through lectures, trips, and everyday living experiences, this 4 week summer course will introduce students to all aspects of life in modern China—from its culture to its business community, from its political philosophy to the ideas of the men and women on its streets. Students will attend lectures and live at Wuyi University and work with Wuyi faculty and students. Day trips will allow students to explore cultural spots and cities in Guangdong Province and a special four day trip will take students to nearby Hong Kong and Macao. Offered for 4 weeks in May-June.

HI4905 Chinese Civilization 4 cr.

An introduction to one of the oldest civilizations of the world. This course will provide students with general knowledge of 5,000 years of Chinese history and peoples, cultures and traditions, languages and literatures, music and arts, as well as philosophies and beliefs. It will also introduce students to the impact of cultures on the establishment and development of the Chinese social, political and economic systems. Offered annually.

HI4910 Chinese Diaspora across the Pacific 4 cr.

This trans-regional course provides historical analyses in the migration of the Chinese to the United States from the early 19th century to the present. It discusses issues relating to immigration policies, race, class and ethnicity. It also examines trans-cultural identity in global perspectives. Offered each fall.

HI5000 Social Studies Senior Seminar 4 cr.

This course is the required capping course for Social Studies Adolescent Education majors. It focuses on the issue of global human rights. The first half of the course is conducted as a seminar in which students read both secondary and primary sources to explore the origins of the idea that all human beings possess certain fundamental rights and gain an understanding of the series of struggles by which this idea gradually became institutionalized in the modern world. During the second half of the course students define, research, and write a major research paper on some aspect of human rights, and they also complete a lesson plan related to their research topic. Offered every semester.

HI5900 Senior Seminar 4 cr.

Designed for students earning degrees in Comparative Humanities, the Senior Seminar requires a major research paper on an approved topic that emerges from the major’s coursework. Offered every semester.

HI5910 Senior Research Project 4 cr.

A research project required of Philosophy and Religion majors that can be structured in one of the following ways: 1) The student may enroll in HI5910 at the same time as another upper-division Philosophy and Religion course and do the research project in conjunction with the course; OR 2) The student may enroll in HI5910 and do the research project as a “stand-alone” undertaking in consultation with an adviser.

Prerequisites: Senior standing and permission of the course instructor (for option 1) or project adviser (for option 2).

INDUSTRIAL AND LABOR RELATIONS COURSES

All course offerings are contingent on budgetary allocations, faculty resources and enrollment figures and unless otherwise indicated, are offered in accordance with student demand.

IR2210 Unions and Management: An Introduction **4 cr.**

Focusing on the current state of labor-management relations, this course introduces students to collective bargaining, labor and employment law, history of labor relations, labor union and management organizational structures, grievance handling and arbitration, and labor and management strategies. Required for all Industrial and Labor Relations majors. Offered each semester.

Prerequisite: ECII.

IR3120 History of American Labor Relations **4 cr.**

This course follows the broad contours of American labor-management history, with an emphasis on the sources of growth and decline of the modern labor movement. Factors examined include: forms of employer and union organization, legal status of unions, immigration, race, gender, globalization, technology, politics, and ideology. Organizations surveyed include: Knights of Labor, Industrial Workers of the World, American Federation of Labor, Congress of Industrial Organizations, and the AFL-CIO. Offered every other year.

Prerequisites: Upper-division standing; IR2210 or permission of instructor.

IR3140 Unions and Public Policy **4 cr.**

The global economy has pushed issues such as free trade vs. fair trade, international investment, distribution of income, health care policies, child and sweatshop labor, and the legal rights of labor unions onto center stage. This course examines union and employer views and activities regarding these and other important public policy issues including minimum wage, unemployment insurance, worker compensation, and occupational safety and health. Offered every year.

Prerequisite: ECII.

IR3260 Comparative Labor Relations **4 cr.**

Examines labor-management relations systems in selected countries. A comparative approach is used, drawing on the varied experiences of advanced and less developed countries. The course compares the goals and tactics adopted by labor movements and by employers in the face of varying legal systems, degrees of economic and social development, and economic pressures. Countries to be examined vary, but at least one is always "non-Western", e.g., Asian or African. The United States is always used as a comparison country. Offered every other year.

Prerequisite: ECII.

IR3300 Collective Bargaining and Grievance Procedures **4 cr.**

A study of the principles of modern collective bargaining; bargaining environments and structures; preparing bargaining proposals; costing economic and non-economic issues; and resolving a collective bargaining impasse. Students will examine methods (strikes, boycotts, lockouts, lobbying, mediation, arbitration, etc.) of achieving collective bargaining goals; procedures (grievances and arbitration) for administering collectively bargained agreements. Content includes review of major labor legislation; procedures of national and state labor relations boards; roles of shop steward and line supervisor. Offered every year.

Prerequisite: ECII.

IR3330 Women, Minorities and The Workplace **4 cr.**

Women, minority workers, and part-time employees make up more than one-half of the labor force today. This course focuses on their historical relationships to the labor market and their positions today. It studies issues of race, gender and national origin as they impact on compensation and employment opportunities. Traces history of efforts to achieve equal treatment from employers and labor unions. Advantages of multi-cultural perspectives for employers. Offered every other year.

Prerequisite: Upper-Division Standing.

IR3415 Labor Economics **4 cr.**

Develops different frameworks for understanding today's labor markets, ranging from market-based to institutionalist theories. Includes analysis of current trends, major factors affecting the labor supply (e.g., immigration, women workers, unions) and the demand for labor (e.g., automation, investment policies, business cycle, productivity). Offered every year.

Prerequisite: Upper-Division Standing.

IR3500 Arbitration and Mediation **4 cr.**

This course studies the function of arbitration in the field of labor-management relations, including an analysis of principles and practices, the law of arbitration, briefs, the conduct of an arbitration hearing, and the preparation of an arbitration opinion and award. Students also study the use of mediation in resolving contract grievances. Offered every other year.

Prerequisite: Upper-Division Standing.

IR3860 Development of the Modern Corporation **4 cr.**

The modern corporation viewed as the dominant institution of the 21st century. Major areas of study include: historical development; multinationals and conglomerates in today's global economy; political and economic power; private planning; labor relations. Offered every other year.

Prerequisite: Upper-Division Standing.

IR4320 Labor and Employment Law**4 cr.**

Taught by an attorney. Detailed introduction to labor (union) and employment law affecting employers, unions, and workers in the United States. Examines social philosophy, including employment-at-will doctrine, and historical context. Includes major provisions of the National Labor Relations Act; Taft-Hartley Act and Landrum-Griffin Act; NLRB and federal court legal interpretations; New York State's Taylor Law and other public sector labor law; anti-discrimination statutes; Fair Labor Standards Act; pension law; family and medical leave. Offered every year.

Prerequisite: Upper-Division Standing.

IR4600 Topics in Labor Studies**4 cr.**

This course examines sources of conflict in contemporary American labor relations, and explores methods of resolving those conflicts. Legal and political impediments to effective conflict resolution are analyzed. Emphasis is placed on finding creative and effective solutions to workplace problems through negotiation and mediation. Offered every other year.

Prerequisite: Upper Division Standing.

IR5900 Senior Project/Internship in Industrial and Labor Relations**4 cr.**

Student completes a major research project or internship, individually tailored to her or his background and experience. Offered every semester.

Prerequisites: Senior Standing; completion of required courses.

MATHEMATICS COURSES

Support Services for College Mathematics

Free tutoring is available for all math courses in the Mathematics Learning Center. Students are encouraged to visit the center to take advantage of this service.

MA1010 Powertrack Math**2 cr.**

Powertrack Math is a highly structured course which utilizes an active learning approach. The course involves mandatory attendance at a lecture class and required hours working in a lab. The purpose of the course is to prepare students in an accelerated way for entry into MA1020 College Algebra and other courses that meet the Mathematics Proficiency requirement at the College. It will include topics of real number arithmetic as well as topics in Introductory Algebra, including linear equations and inequalities, graphing linear equations, exponents, polynomials and factoring, and systems of equations. Attendance at an orientation meeting prior to the beginning of the semester is mandatory. Offered every semester.

MA1020 College Algebra**4 cr.**

Topics include functions, factoring polynomials, rational and algebraic expressions, exponents and radicals, solutions to quadratic equations, complex numbers, inequalities, systems of equations, matrices, Cramer's rule, graphs of functions. Offered every semester.

Prerequisite: grade of "C" or higher in MA1010.

MA2000 Applied Statistics**4 cr.**

Applied Statistics is a General Education course intended to develop the statistical literacy of all students regardless of their major. The emphasis is on organizing and summarizing data, applying appropriate statistics, and on understanding and interpreting the results of statistical tests. Real data derived from a variety of fields including education, psychology, sociology, life and physical sciences, economics, and business will be used throughout the course.

Prerequisite: grade of "C" or higher in MA1010.

MA2010 Foundations of Mathematics I**4 cr.**

A course designed primarily for students majoring in elementary education. MA 2010 covers fundamental theory, historical context and underlying logic of mathematics taught in elementary school. Content is intended to complement the recommendations in the National Council of Teachers of Mathematics Standards, and emphasis is placed on problem solving and communication in mathematics. Topics studied include introductory problem solving, functions, number systems, the operations and properties of arithmetic, estimation, and selected topics from set theory and number theory. Offered every semester.

Prerequisite: grade of "C" or higher in MA1020.

MA2050 Quantitative Reasoning and Decision Making**4 cr.**

This course was designed for general education, and is intended to improve quantitative literacy and reasoning skills regardless of major. MA2050 provides essential skills in logic, problem solving, critical thinking and decision making. Quantitative methods and applications to real-life problems are explored, as well as decision tools for individuals and society. Topics include measurement, patterns and trends, proportion and equity, understanding data and graphs, logic and sequential reasoning, risk, uncertainty, probabilistic reasoning, natural law, descriptive statistics, decision trees. Personal decisions and applications across disciplines are explored in areas that include consumer finance, advertising, numbers in the news, personal behavior, health and medicine, incidents and accidents, insurance, energy, environment and sustainability. Fulfills math proficiency requirement (GE MA). Offered every year

Prerequisite: grade of "C" or higher in MA1010 or equivalent.

- MA2080 Precalculus for Business and Economics** **4 cr.**
 The study of linear, quadratic, exponential, and logarithmic functions and their graphs. Systems of equations and an introduction to matrices. Applications in the fields of business and economics. Offered every semester.
Prerequisite: Three years of Regents high school mathematics or grade of "C" or higher in MA1020.
- MA2090 Precalculus** **4 cr.**
 A course designed primarily for students who wish to take MA2310. A study of algebraic, logarithmic, exponential, and trigonometric functions and their graphs. Offered every semester.
Prerequisite: Three years of Regents high school mathematics or grade of "C" or higher in MA1020.
- MA2300 Calculus for Business and Economics** **4 cr.**
 Limits, differentiation, and integration. Relevant applications from the areas of business, economics and the social sciences. Offered every semester.
Prerequisite: Four years of Regents high school mathematics or a grade of "C" or higher in MA2080 or MA2090.
- MA2310 Calculus & Analytic Geometry I** **4 cr.**
 Topics include functions and their graphs, limits and continuity, derivatives of polynomials, rational functions, algebraic functions, exponential & logarithmic functions, and trigonometric functions, applications of the derivative, definite and indefinite integrals, fundamental theorem of calculus. Offered every semester.
Prerequisite: grade of "C" or higher in MA2090.
- MA2320 Calculus & Analytic Geometry II** **4 cr.**
 Topics include indefinite and definite integral, applications of definite integral, integration techniques, infinite series, and analytic geometry. Offered every semester.
Prerequisite: grade of "C" or higher in MA2310.
- MA2500 History of Mathematics** **4 cr.**
 A survey of the history of mathematics from the beginnings through the 20th century. With special attention to culture and mathematics. Emphasis on topics germane to the high school curriculum. Offered every other semester.
Prerequisite: MA 2310 or permission of the instructor.
- MA3020 Foundations of Mathematics II** **4 cr.**
 A course designed primarily for students majoring in elementary education. MA2020 covers fundamental theory, historical context and underlying logic of mathematics taught in elementary school. Content is intended to complement the recommendations in the National Council of Teachers of Mathematics Standards, and emphasis is placed on problem solving and communication in mathematics. The syllabus includes topics from elementary combinatorics, probability, statistics, geometry and measurement. Offered every other semester.
Prerequisite: grade of "C" or higher in MA1020.
- MA3030 Discrete Mathematics** **4 cr.**
 An introduction to discrete mathematical structures. Topics include propositional and predicate logic, set theory, relations and functions, induction and recursion, algorithms and number theory, and graphs and trees. Offered every semester.
Prerequisite: grade of "C" or higher in MA2090 or MA2080.
- MA3160 Linear Algebra** **4 cr.**
 An introduction to linear algebra beginning with two and three dimensional spaces, and including such topics as matrices, systems of equations, determinants, vector spaces, linear transformations, eigenvalues, and applications. Offered every semester.
Prerequisite: grade of "C" or higher in MA2310 or MA2300.
- MA3180 Foundations of Secondary School Mathematics** **4 cr.**
 This course is designed for students planning to be secondary school mathematics teachers. The course covers the fundamental theory, historical context and underlying logic of mathematics taught in secondary school. It follows the National Council of Teachers of Mathematics Standards. The goal is for students to develop a deep understanding of secondary mathematics and to enable future teachers to provide their students with the highest quality instruction. This course can be used as a preparation for the New York State Teacher Certification Examination in Mathematics, Content Specialty Test. Offered every other semester.
Prerequisites: MA2320, MA3030, MA3160.
- MA3210 Introduction to Probability and Statistics** **4 cr.**
 A one-semester course containing foundation material in probability and statistical inference. Topics include discrete and continuous distributions, random events, estimation and hypothesis testing. Offered every semester.
Prerequisite: MA2310 or MA2300; MA2320 recommended.
- MA3330 Calculus and Analytic Geometry III** **4 cr.**
 Three main areas will be studied. The first is the Vector algebra and geometry of three-dimensional space including: lines, planes, and curves in space; polar, cylindrical, and spherical coordinate systems. Using this geometry, limits, partial differentiation, directional derivatives, max-min theory and Lagrange Multipliers are studied. The final area of study is integration, including double, triple integrals, line integrals, and the divergence, Green's and Stokes Theorems. Offered every semester.
Prerequisite: grade of "C" or higher in MA2320.

- MA3520 Transition to Advanced Mathematics** **4 cr.**
 An introduction to concepts commonly used in advanced mathematics with an emphasis on writing proofs. Topics include logic, set theory, relations, functions, and cardinality as well as selected topics from other areas of advanced mathematics such as number theory, abstract algebra, topology, and real analysis. Offered every semester.
Prerequisites: grade of "C" or higher in MA2320 and MA3030.
- MA4100 Number Theory** **4 cr.**
 A study of the utilization of concrete examples to introduce concepts of modern algebra; prime numbers, congruences, diophantine equations, elementary combinatorial analysis. Offered as needed.
Prerequisites: grade of "C" or higher in MA3030.
- MA4200 Probability** **4 cr.**
 Sample space, concepts of probability, conditional, marginal and joint probabilities, random variables and functions of random variables; discrete and continuous and other special distributions; moment generating functions; law of large numbers and central limit theorem; conditional expectations, and introduction to stochastic processes. Offered as needed.
Prerequisite: MA3330.
- MA4300 Numerical Analysis** **4 cr.**
 A study of numerical methods with computer work: solution of algebraic and transcendental equations, systems of linear equations, interpolation, numerical solution of differential equations, error estimation. Offered as needed.
Prerequisite: grade of "C" or higher in MA3160.
- MA4360 Differential Equations** **4 cr.**
 A study of differential equations and their applications; ordinary differential equations with particular emphasis on linear differential equations, systems of differential equations, boundary value problems and applications to electrical, mechanical and chemical systems. Offered every spring.
Prerequisites: grades of "C" or higher in MA2320 and MA3160.
- MA4510 Geometry** **4 cr.**
 Geometry from a modern axiomatic standpoint. Higher Euclidean geometry emphasizing incidence and separation properties, metric properties, area theory. Euclidean constructions. Offered every Spring.
Prerequisites: grades of "C" or higher in MA3160 and MA2320; ECII.
- MA4710 Applied Cryptography** **4 cr.**
 This course develops notions of information security and deals with the tools for guaranteeing secure communications in an adversarial setting. Topics include basic number theory, cryptographic methods, key distribution, and protocols for authentication and confidential communications. The course examines C++/Java security applications that employ cryptography. Students will be assigned several small programs incorporating security. Offered based upon student demand.
Prerequisites: grades of "C" or higher in CS2510 and MA4100.
- MA4910 Operations Research I** **4 cr.**
 An introductory course in operations research theory and methodologies. Operations research uses systematic mathematical processes to find optimal solutions to problems in business, government and science. Topics include matrix algebra, Simplex method of Linear Programming, the Big M Method, Duality Theory, Transportation Programming, the Assignment Problem, Network Analysis and an Introduction to Dynamic Programming. Offered as needed.
Prerequisite: grade of "C" or higher in MA3160.
- MA4920 Operations Research II** **4 cr.**
 The second course in the operations research sequence, this course examines the probabilistic nature of certain operations research models. Topics include Queueing Theory, the Birth and Death Process, Stochastic Processes, Markov Chains, Chapman-Kolmogorov equations and Inventory Theory. Offered as needed.
Prerequisite: MA3210.
- MA5120 Abstract Algebra I** **4 cr.**
 Groups, rings, integral domains, ideals and fields together with their homomorphisms. Offered every semester.
Prerequisites: grades of "C" or higher in MA3160 and MA3520; ECII.
- MA5130 Abstract Algebra II** **4 cr.**
 Continuation of MA5120 and includes the Sylow Theorems, free groups, extension fields, Galois theory, finite fields. Offered as needed.
Prerequisite: grade of "C" or higher in MA5120.
- MA5230 Mathematical Statistics** **4 cr.**
 Review of set theory, probability, random variables and some standard distributions. Focuses on estimation of parameters, confidence intervals, hypothesis testing, likelihood ratio tests, sampling distributions, one-sample and two-sample test. Offered as needed.
Prerequisite: grades of "C" or higher in MA2320 and MA3120.

MA5320 Advanced Calculus I **4 cr.**

An analytical study of the theory underlining calculus. Topics will include the real number system, limits, continuity, uniform continuity, differentiability, sequences and series of functions, uniform convergence, Taylor series, theory of integration, elementary transcendental functions. Offered every semester.

Prerequisites: grades of "C" or higher in MA2320 and MA3520.

MA5330 Advanced Calculus II **4 cr.**

Rigorous study of vector calculus. Topics will include continuity, differentiation and integration of vector valued functions, inverse and implicit function theorems, differential forms and general Stokes' Theorem. Offered as needed.

Prerequisite: grade of "C" or higher in MA5320.

MA5360 Real Analysis **4 cr.**

Theory of the Lebesgue integral; outer measure, measure and measurable sets; simple functions and the space of Lebesgue integrable functions; theorems of Fatou and Lebesgue; dominated (and bounded) convergence theorems; Riemann-Stieltje's integrable; the L^p spaces; inequalities. Signed measure; the decomposition theorems of Hahn and Jordan. Offered as needed.

Prerequisite: MA5320.

MA5380 Complex Analysis **4 cr.**

Introduction to the theory of analytic functions of complex variables including such topics as complex arithmetic, power series expansion, conformal mapping, analytic functions, and residues. Offered as needed.

Prerequisite: MA3330.

MA5510 Topology **4 cr.**

A study of general topology and introductory algebraic topology, including such topics as topological spaces, metric spaces, continuity, connectedness, compactness, product and quotient spaces, functions spaces, homotopy, fundamental groups. Offered as needed.

Prerequisites: grades of "C" or higher in MA3330 and MA3520.

MA5900 Research **2-4 cr.**

Research project carried out under the supervision of a faculty member.

Prerequisite: permission of instructor.

MA5910 Special Topics **4 cr.**

Selected topics in mathematics. Offered as needed.

Prerequisite: permission of instructor.

MA9990 Independent Study **2-4 cr.**

Designed to give the advanced student the opportunity for independent reading, development of a project or a mathematical model.

Prerequisite: permission of instructor.

MODERN LANGUAGES COURSES

All course offerings are contingent on budgetary allocations, faculty resources, and enrollment figures, and unless otherwise indicated, are offered in accordance with student demand.

Spanish Courses

ML1100-ML1110 Basic Spanish I and II **4 cr.**

All communications skills in standard Spanish including basic speaking and aural comprehension, basic reading and writing are covered in these courses. Not appropriate for students with background in spoken Spanish. ML1110 is open to students who have completed ML1100 or its equivalent. Both are offered in the fall and in the spring.

Prerequisite for ML1100: No prior experience in the language.

Prerequisite for ML1110: ML1100 or permission of ML faculty.

ML2005 French-English Translation **4 cr.**

This is an introductory course in the practice and theory of French to English translation. After a basic introduction to modern translation theory, students will practice the precision skills necessary to understand, analyze and accurately translate short prose texts from French into English. They will learn how to preserve the meaning style, syntax and tone of source text. Passages selected for translation will come from a variety of sources, including short stories, plays, newspaper or magazine articles of different topics, and advertising, and will be of increasing complexity and length. This course will be offered periodically, in online format.

Prerequisite: ML1010 or permission of Instructor.

ML2100 Intermediate Spanish I **4 cr.**

This course is designed for non-native speakers who have learned the basic structures of Spanish and for Hispanic students with some knowledge of spoken Spanish but no prior academic training in the language. Students will work on the four language skills (listening, speaking, reading and writing) in standard Spanish. Special emphasis, however, is placed on listening and speaking. Expanding vocabulary and building confidence in speaking are the main goals of this course. Offered every fall.

Prerequisite: ML1110 or permission of ML faculty.

ML2110 Intermediate Spanish II **4 cr.**

This course offers a comprehensive review of Spanish grammar and intensive work on vocabulary building. It is designed both for non-native speakers who have some competence in spoken Spanish and for Hispanic students who have had limited academic training in the language. The course is intended to develop competence in reading, writing and speaking. Offered every spring.

Prerequisite: ML2100 or permission of ML faculty.

ML3100 Advanced Spanish Conversation and Composition **4 cr.**

Designed for both non-native speakers who have had at least two years of Spanish study, and for Hispanic students who need to activate and expand their ability to think and express themselves in their heritage language. This course will provide intensive oral practice on different topics related to Hispanic culture as well as current events of particular interest to students. A variety of reading and writing assignments will help students amplify their vocabulary, lessen the interference of English in Spanish oral communication and strengthen their ability to express ideas both in conversation and in writing. Offered every fall.

Prerequisite: ML2110 or permission of ML faculty.

ML3150 Modern Italian Civilization **4 cr.**

This is an introductory course in the theory and practice of English/Spanish translation. A variety of prose texts, both literary and non-literary, will be selected for translation, using mostly Spanish as the target language, with some practice of Spanish to English translation. English and Spanish grammar rules are reviewed so students can develop a strong sense of proper usage. Students will work on comparative grammar, style, rhetorical structures and levels of discourse. Emphasis will be placed on expansion of vocabulary in both languages, and on the development of a clearer understanding of the morphological and syntactical differences between two languages. Offered every other Fall.

Prerequisite: ML2110 or permission of Instructor.

ML3200 Translation Workshop **4 cr.**

This is an introductory course in the theory and practice of English/Spanish translation. A variety of prose texts, both literary and non-literary, will be selected for translation, using mostly Spanish as the target language, with some practice of Spanish to English translation. English and Spanish grammar rules are reviewed so students can develop a strong sense of proper usage. Students will work on comparative grammar, style, rhetorical structures and levels of discourse. Emphasis will be placed on expansion of vocabulary in both languages, and on the development of a clearer understanding of the morphological and syntactical differences between the two languages. Offered every other Fall.

Prerequisite: ML2110 or permission of Instructor.

ML3250 Fundamentals of Spanish Linguistics **4 cr.**

This course provides an essential survey of the major areas of Spanish linguistics geared primarily towards the undergraduate Spanish Education major. Topics to be covered include advanced grammar and syntax, phonology, and lexical morphology. Course readings and fieldwork assignments are intended to provide the student with both a descriptive introduction to the field, which should enable non-natives to improve their own Spanish grammar, listening comprehension and pronunciation; and native speakers to be sensitive to learner difficulties, and to make them more effective educators of Spanish. The course is taught in Spanish with technical terminology given in both Spanish and English. Offered every other year.

Prerequisite: ML2110 or permission of ML faculty.

ML3260 Spanish Linguistics: Universals of Grammar **4 cr.**

In this course, students will learn linguistic terminology for an exhaustive classification of parts of speech, word formation (morphology) features and marking, and syntactic function. By examining specific grammar topics that are problematic to native speakers of English or Spanish, the course will enable students to improve both their grammar and writing skills by generating grammatical sentences and by analyzing errors. Course taught on-line in Spanish with exercises and examples in Spanish and English, as well as other world languages.

Prerequisite: Ability to read and write in Spanish.

ML3300 Artistic Expressions in Spain **4 cr.**

Summer course taught in English in Santiago de Compostela, Spain. This course is an overview of the art and culture of Spain through guided readings and visits to museums and galleries. Students will become familiar with masterpieces of Spanish painting, from El Greco to contemporary painters. Artistic styles and movements will be discussed, as well as the influence of various cultures on the arts of Spain.

Prerequisite: ECII.

ML3362 Advanced Spanish Grammar and Composition **4 cr.**

Designed for both Heritage speakers and second-language learners. The focus of this course is on the development of reading and writing skills through a thorough review of grammar and weekly exercises and compositions. Students will improve their ability to write in correct Spanish, expand their overall vocabulary and perfect and systematize their knowledge of grammar and correct usage. Offered every spring.

Prerequisite: ML3100 or permission of ML faculty.

ML3410 Latino/a Writers in the United States**4 cr.**

Taught in English. This course recognizes the contributions of “Latino” writers who have produced a body of literature in English. The works represent the cultural diversity within the Latino communities in the United States, and the response by various authors to questions of acculturation to new social conditions. Offered every spring.

Prerequisite: EMS.

ML3500 Critical Writing and Textual Analysis**4 cr.**

Taught in Spanish. For the student who is interested in pursuing the study of literature in Spanish, this course develops critical reading and writing skills and introduces methods of textual analysis. Through intensive practice and class discussions, students will refine their ability to express independent ideas, organize their thoughts, develop a theme and interpret a literary text, in order to write effective essays and term papers in Spanish. Revising and rewriting will be an integral part of the course. Offered every fall.

Prerequisite: ML3100 or ML3362 or permission of ML faculty.

ML3510 Creative Writing**4 cr.**

Taught in Spanish. This course will function as a broad-based introduction to various forms of writing, such as short fiction, autobiography and non-fiction narrative. Literary works will serve as models through analysis, application and imitation. Class work will consist of technique and style discussions, reading assignments and mostly collaborative writing exercises. Students will be introduced to the concept of a writing workshop, wherein they share pieces with peers in order to give and receive feedback. Offered every other fall.

Prerequisite: ML3100 or ML3362 or permission of ML faculty.

ML3600 Introduction to the Study of Hispanic Literature**4 cr.**

Taught in Spanish. A prerequisite for all upper-level literature and culture courses, this course introduces students to the study of literary genres (poetry, drama, the narrative and the essay). Students will also become familiarized with literary schools and aesthetic movements. Works of noted Hispanic authors (plays, short stories and poems) will be read and analyzed with regard to form and content. Offered every spring.

Prerequisite: ML3100 or ML3362 or ML3500 or permission of ML faculty.

ML3800 Modern French Culture: France and the Francophone World**4 cr.**

Taught in English. This course will provide students with an introduction to French culture and civilization. We will analyze the pivotal role played by France in modern European history and culture and the contributions the French and Francophone nations have made in such domains as architecture, fine arts, philosophy, literature and cinema. Starting from the French classical age, in the 17th century, and continuing through the Enlightenment, the age of revolutions, colonialism and post-colonialism, the course aims to give students an understanding of the aesthetic and intellectual currents that have shaped French thought and creative expressions. Readings will include letters, fiction and essays. Modules of discussion and research may include: the emergence of modern subjects; the culture of sensuality; feminism and gender definitions; stories of love and desire; the image of human experience in the French novel; immigration, racism and the multicultural society; the concept of “creoleness”; modernism and the “avant-gardes”; French-American interactions. Offered once a year.

Prerequisite: EMS.

ML3880 Masterpieces of Hispanic Literature**4 cr.**

Selections of outstanding literary works of Spain and Latin America from the picaresque novel to the present. Study includes major writers: Cervantes, Lorca, Unamuno, García Márquez, and others. Given in English. Offered periodically.

Prerequisite: EMS.

ML4100 The Spanish Golden Age**4 cr.**

Taught in Spanish. A study of the literature of the Spanish Golden Age (ca. 1500-1660) which includes some of the major texts and best-known stories of world literature. Students will be guided through the reading and analysis of selections from Cervantes, Rojas, Tirso de Molina, Lope de Vega, Calderon, Gongora, etc. The works presented will provide a basis for the examination of the Baroque concepts of reality and illusion, dream and disenchantment. Offered periodically.

Prerequisite: ML3600 or permission of ML faculty.

ML4325 Contemporary Theatre of the Hispanic World**4 cr.**

Taught in Spanish. Selected plays by a variety of Spanish-speaking dramatists will be read and examined critically and analytically. The plays will represent a broad range of styles and subject matter, and touch upon the philosophical, social and cultural issues that have preoccupied Spanish and Latin American playwrights in modern times. Works by Arrabal, Dragun, Garro, Triana, Paz, Fuentes and Vargas Llosa may be included as well as recent performance pieces by Latino playwrights. A focal point of the course will be the preparation of dramatic readings of selected scenes. Offered periodically.

Prerequisite: ML3600 or permission of ML faculty.

ML4350 Recurrent Themes in Latin American Painting and Literature**4 cr.**

Taught in Spanish. This course explores the importance of art and literature in the construction of national, cultural and social discourses in Latin America. Representations of Latin America by European engravers of the 16th and 17th centuries will be analyzed alongside excerpts from colonial literary texts concerned with explaining the newly “discovered” lands to their European sponsors. We will look at nationalistic discourses as presented by the Mexican Muralist movement and writings by Octavio Paz. We will also examine the Hispanic Caribbean painters’ and writers’ project to develop a new artistic vocabulary, and their (dis) illusions with their countries’ social and political conditions. Offered periodically.

Prerequisite: ML3600 or permission of ML faculty.

ML4450 Hispanic Women Writers**4 cr.**

Taught in Spanish. A close reading and analysis of major works of fiction and poetry by Hispanic women. Students will be introduced to significant pre-20th century authors; however, the main focus of the course will be on contemporary texts. Selected writers from different areas, such as Emilia Pardo Bazan, Maria Luisa Bombal, Julia de Burgos, Rosario Ferre, Elena Poniatowska, Gabriela Mistral, Isabel Allende, et al., will give students a sense of the diversity and range of Hispanic women's writing. We will examine these writers' response to "machismo" and the limited role of women in traditional societies. Questions concerning the feminine literary tradition, such as how the female experience is represented in texts written by women, and whether there is a specifically "female" writing, will also be discussed. Offered periodically

Prerequisite: ML3600 or permission of ML faculty.

ML4500 Culture and Literature of Spain from the Middle Ages to the 18th Century**4 cr.**

Taught in Spanish. A study of the culture and literature of Spain through representative works, beginning with the epic poem *El Cid*, Spain's first recorded literary work, and continuing through the 18th century. Students will examine the concepts of honor, religious duty, love, conquest, and the nation as represented in the Spanish tradition. Offered periodically.

Prerequisite: ML3600 or permission of ML faculty.

ML4510 Civilization and Culture of Spain**4 cr.**

Taught in Spanish. This course will provide students with an introduction to the culture and civilization of Spain. After a brief overview of key events in Spanish history, emphasis will be placed more specifically on contemporary Spain. Analysis and discussion of literary works, films, music and art will help students understand and appreciate the role played by Spain in modern European history and her contributions in the arts as well as in popular culture. Themes for discussion and research may include: the image of human experience in the Spanish novel; pluralism, unity and the Spanish identity; post-modern cinema; the Civil War and the Franco era; Spain as Romantic myth and tourist heaven, etc. Offered periodically.

Prerequisite: ML3600 or permission of ML faculty.

ML4515 Recent Narrative from Spain**4 cr.**

Taught in Spanish. This course provides an analytical and historical approach to narratives written in Spain during the last two decades of the 20th century. Students will be introduced to various aesthetic styles (parodic, historical and urban novels and short stories, science fiction and detective novels) which flourished during this period. Special attention will be given to the sociological background and the so-called "post-modern condition" which made those narratives possible. Authors such as Eduardo Mendoza, José Angel Mañas, Javier Cercas, Belén Gopegui, Manuel Rivas, etc., will be read throughout the semester. Offered periodically.

Prerequisite: ML3600 or permission of ML faculty.

ML4520 Culture and Literature of the Spanish Caribbean**4 cr.**

Taught in Spanish. A study of the major literary trends of this century in the Caribbean area (Dominican Republic, Puerto Rico, and Cuba) seen in a general Latin-American sociocultural and political perspective. Representative works by Henriquez Urena, Llorens Torres, Pales Matos, Guillen, del Cabral, Bosch, Marques, Carpentier, Laguerre, Cabrera Infante, Gonzalez, Cesaire, Mir, Burgos, Rodriguez-Julia, etc. Offered periodically.

Prerequisite: ML3600 or permission of ML faculty.

ML4540 Latin American Culture and Literature: From the European Conquest to Independence**4 cr.**

Taught in Spanish. This course will examine the variety of genres produced in Latin America, from the earlier historical writings (diarios, crónicas, relaciones, poemas épicos, etc.) through the European-inspired literatures of the Baroque, Neoclassic, and Romantic periods. The social and political ideas of the Enlightenment and subsequent "progressive" (liberal) ideologies, culminating in the Latin American Wars of Independence and the modern process of "nation building," will be studied within a literary context. Offered periodically.

Prerequisite: ML3600 or permission of ML faculty

ML 4545 Civilization and Culture of Latin America**4 cr.**

Taught in Spanish. This course will serve as an introduction to various aspects of daily life and culture in Latin American countries from early times to the present. We will explore the question of the Latin-American identity: What is Latin America and who are the Latin Americans? We will consider some of the significant intellectual, artistic, historical, and sociopolitical movements that have shaped Latin America since the beginning of its history. Major periods to be examined will be the pre-Columbian civilization, the "Conquista" and the colonial empire, the independence movements and the contemporary period. Students will become familiarized with major issues and institutions of Latin America as represented in contemporary Latin American essays, films, art, music, short stories, plays and novels. Offered periodically.

Prerequisite: ML3600 or permission of ML faculty.

ML4630 Latin American Literature**4 cr.**

Taught in English. This course is a survey of Latin American literature since the conquest. The class will first read and discuss descriptions of the Americas as seen by the first European conquerors as well as pre-Colombian texts written by native Americans. We will then read representative works of various literary periods from baroque poems to "magical-realist" novels. We will analyze such themes as the collision of cultures, "civilization and barbarity", the African influence on Latin American letters and the making of a Latin American identity. Offered periodically.

Prerequisite: EMS.

ML4645 French Literature**4 cr.**

Taught in English. This survey course is intended to serve as an introduction to French literature from the French classical age, in the 17th century, to the present time. Students will be guided through the reading and analysis of narrative fiction, plays and poems by major French writers so as to develop an understanding of the aesthetic and intellectual currents that have shaped French literature.

Readings will be organized around thematic modules rather than in chronological order. Topics may include: representations of the self; stories of love and desire; the making of modernity; tradition and experimentation; social reflections; colonialism and post-colonialism, among others. Offered periodically.

Prerequisite: EMS

ML4700 Studies in Spanish Literature of the Nineteenth and Twentieth Centuries 4 cr.

Taught in Spanish. A study of the major literary trends prevailing in Spain from the beginning of the 19th century to late 20th century: Romanticism, Realism, Naturalism, the “Generation of ‘98”, the “Generation of ‘27”, the era known as “la postguerra” and postmodernism. Representative works of poetry and prose will serve as an illustration of the historical, social and artistic issues characteristic of each period. Offered periodically.

Prerequisite: ML3600 or permission of ML faculty.

ML 4725 The Novel and the City 4 cr.

Taught in Spanish. The course explores the basic connection between the modern period and the novel as a form, noting the parallel rise to prominence of the novel and the large urban centers. By the 19th century, the novel had become the most widely read form of literature, in Europe as well as in the Americas, and thus exercised considerable power not only to express but also to shape urban readers’ understanding of themselves, their desires, and their relation to their social world. A selection of city-centered novels by Spanish and Latin American writers of the 19th and 20th centuries will help students understand how writers expand our awareness of urban sites and how they develop complex sets of themes and aesthetics concerns central to the urban experience. We will study crucial interpretive and narratological issues (character development, time and point of view) while also researching the development of public architecture and urban planning in the cities in question. Offered periodically.

Prerequisite: ML3600, or permission of Instructor.

ML4750 Fiction Into Film: the Spanish and Latin American Cinema 4 cr.

Taught in Spanish. A study of classic Spanish-speaking films from Latin America and Spain and their contribution to Hispanic culture. The class will view, discuss and analyze films in the context of socio-political events and aesthetic movements, and place each work in cultural perspective. Particular attention will be paid to the ways in which literary works are translated into cinematic form, and to contrasting narrative practices in the novel and in film. Offered periodically.

Prerequisite: ML3600 or permission of ML faculty.

ML4800 Modernism and Modernity: The Latin American Experience 4 cr.

Taught in Spanish. An historical and analytical approach to the Modernist and Avant-garde movements in Latin American letters. Students will be introduced to the various aesthetic styles which flourished from the late 19th to the middle of the 20th century. The course will examine major poetic trends, as well as representative prose fiction of the two periods (Modernismo and Vanguardismo), paying particular attention to symbolism, decadentism, impressionism, surrealism, cubism, etc. Offered periodically.

Prerequisite: ML3600 or permission of ML faculty.

ML5400 Contemporary Literary Theory and Its Applications 4 cr.

Taught in Spanish. Recent contributions by Jacques Derrida (deconstruction theory), Edward Said (on orientalism), Julia Kristeva and Hélène Cixous (feminist theories) have questioned the authority of the author as well as the reader, and have brought into consideration other mechanisms that affect our critical evaluation of the world around us. This course attempts to establish principles for interpreting and evaluating literary texts, visual arts and films through readings of contemporary literary theory. Offered every third year.

Prerequisite: ML3600 or permission of ML faculty.

ML5450 Major Trends in Latin American Thought 4 cr.

Taught in Spanish. The course examines the major intellectual and artistic trends in Latin American letters, as reflected in the works of representative writers: Sarmiento, Bello, Martí, Rodó, Henríquez-Ureña, Mariategui, Zea, Paz, Vargas Llosa, among others. Readings of the historical, social and literary essay will constitute the primary focus of the course. Special attention will be given to regional and cultural differences. Topics such as race and ethnicity; national identity; the role of women in society, etc., will be closely examined. Offered every third year.

Prerequisite: ML3600 or permission of ML faculty.

ML5650 Contemporary Latin American Narrative 4 cr.

Taught in Spanish. Introduction to narrative techniques and socio-political topics prevalent in the contemporary Spanish American narrative. Authors include Borges, Arguedas, Cortazar, Carpentier, Rulfo, Bombal, Garcia Marquez, Fuentes, Roa Bastos, Vargas Llosa, Poniatowska, Allende, etc. Offered every third year.

Prerequisite: ML3600 or permission of ML faculty.

ML5900 Senior Seminar 4 cr.

With the guidance and supervision of a faculty member, students must prepare a Senior Thesis. The thesis must focus on a specific area of Spanish language, Hispanic literature and culture involving detailed research. Offered every semester.

Prerequisites: Senior Standing in ML program; EMS. Students must have the approval of the Modern Languages Chair in order to register for this course. Note: Students may choose to take an additional 4000- or 5000-level course instead of completing Senior Seminar.

Arabic Courses

ML1300 Basic Arabic Language I 4 cr.

This course provides an introduction to Modern Standard Arabic, the language of print and broadcast media throughout the Arabic-speaking world. Alongside conversation, a substantial portion of the course will be devoted to mastery of basic reading and writing skills.

Students will be introduced to common greetings, numbers, colors and basic vocabulary relevant to everyday environments. By the end of the course, students should be able to formulate questions and present basic information about themselves relating to family and school experience. Music, visual media, maps and other supplementary material (including field trips, as possible) will reinforce language skills and introduce students to the diverse aspects of culture in the Arab world. Offered periodically.

ML1310 Basic Arabic Language II

4 cr.

This course continues the introduction to Modern Standard Arabic, the language of print and broadcast media throughout the Arabic-speaking world, begun in Basic Arabic Language I. Students will progress toward simple conversations about themselves and others, classroom and travel experience, leisure activities and basic needs. By the end of the course, students should have mastered several hundred words of vocabulary. Work on reading and writing skills will continue, so that students can create and recognize the vocabulary in written form, as well as understanding authentic printed material such as signs and newspaper headlines. Music, visual media, maps, interviews and other supplementary material (including field trips, as possible) will reinforce both language skills and cross-cultural understanding. Offered periodically.

Prerequisite: ML1300 or permission of Instructor.

Chinese Courses

ML1200 and ML1210 Basic Chinese I-II

4 cr.

Open to students with no previous, or limited, knowledge of Chinese. Each provides for acquisition of communication skills in Chinese and introduces writing. ML1200 offered in the fall and ML1210 in the spring.

Prerequisite for ML1210: ML1200.

French Courses

ML1000 - ML1010 Basic French I and II

4 cr. ea.

Open to students with no previous training in French. Each provides for acquisition of the communication skills in French, with special emphasis on aural comprehension and speaking. Students are also given the opportunity to achieve basic competency in reading and writing. Both courses are offered in the Fall and in the Spring.

Prerequisite for ML1000: No prior French, or not more than one year of high school French.

Prerequisite for ML1010: ML1000 or permission of ML faculty.

ML2000 Intermediate French I

4 cr.

This course provides for a broadening and intensification of the four language skills (listening, speaking, reading and writing) in standard French. It is designed for students who have had at least 2 years of high school French or have some familiarity with basic vocabulary and structures. Offered periodically.

Prerequisite: ML1010 or permission of ML faculty.

ML2010 Intermediate French II

4 cr.

Designed for students who wish to improve their ability to write in French, to expand their vocabulary and to lessen the interference of English in French oral communication. The course will offer a review of grammar and correct usage and intensive oral practice based on different topics related to French-Caribbean culture. Reading and writing assignments will help students sharpen their communication skills in standard French. Offered periodically.

Prerequisite: ML2000 or permission of ML faculty.

Italian Courses

ML1400 and ML1410 Basic Italian I and II

4 cr. ea.

Open to students with no previous, or very limited, knowledge of Italian. Each provides for acquisition of communication skills in Italian, with emphasis on aural comprehension and speaking. Students will also develop basic competency in reading and writing. ML1400 offered in the fall and ML1410 in the spring.

Prerequisite for ML1400: No prior study of Italian, or not more than one year of high school study.

Prerequisite for ML1410: ML1400 or permission of Instructor.

Sign Language Courses

ML1150 American Sign Language I

4 cr.

An introduction to American sign language, the natural language of the deaf community in the United States and Canada. Focuses on conversations in sign, basic rules of grammar and aspects of the deaf community. Offered in the summer.

ML1160 American Sign Language II

4 cr.

Continuation of basic American sign language and deaf culture study, with opportunities to build receptive and expressive sign vocabulary and phrases; use of signer space; social expressions and body language; introduction to fingerspelling. Offered in the summer.

Prerequisite: ML1150.

Punjabi Courses

ML 1600-ML 1610 Basic Punjabi I and II

4 cr.

Basic Punjabi I and II introduce students to basic Punjabi Language skills: reading, writing, speaking and listening. Emphasis is placed on the history and culture of Punjab. Basic I is designed for students with no experience in the language. Basic II is open to students who have completed basic Punjabi I or its equivalent.

MUSIC AND DANCE COURSES

MD1000 Music of Global Cultures I

4 cr.

An introductory course focused on understanding and exploring the meaning and art of traditional and popular music and global cultures. This course presents music from diverse cultures examining historical perspectives and their impact on society. Students will be introduced to basic rhythms, melodies and harmonies. Cultures on focus include introduction to the music of Africa, Europe, Asia and the Americas. Course will include review of videos, films and recordings, and may include one field trip outside of regular class time to attend a live concert.

MD1010 Music of Global Cultures II—An Interactive Course

4 cr.

The course will focus on the relationship of music to the cultural and social environments of diverse communities. Music will be examined as a rhythmic newspaper creatively expressing the voice of culturally diverse communities seeking to inform and contribute to the mosaic of civil society. Working with professional musicians, students will be introduced to music theory, basic reading, writing and composition. Cultures on focus include expanded introduction to the music of Africa, Asia, Europe and the Americas. Course will include review of videos, films and recordings.

MD1100 Traditional and Popular Dances of Global Cultures

4 cr.

This introductory dance course bridges the disciplines of music, song and dance, exploring the ways in which tradition and popular dances transmit meaning and contribute to an understanding of cultural diversity. The basic dance course focuses on healthy alignment principles that strengthen the body. The course will emphasize the dance techniques of diverse societies of Africa, Europe and the Americas. Cultures on focus include introduction to the music of Africa, Europe, Asia and the Americas. Course will include review of videos, films and slides.

MD1110 The Culturally Diverse Language of Dance—The Anatomy of Movement

4 cr.

Dance embodies the language of culture through movement. This introductory course examines the role of dance in articulating the human rights of diverse cultural communities. The historical global dance survey will focus on the societal conditions that created and influenced different dance styles and movements. Working with professional dancers and musicians, students will study dance history, improvisation and basic dance composition. The interactive dance survey will include the cultures of Africa, Asia, Europe and the Americas. Course will include review of videos, films and slides.

MD3010 History of Jazz

4 cr.

Jazz is a unique American art form and an integral part of the American experience. This class will study the evolution of jazz, starting with its roots in work songs, spirituals, and the Blues songs of African slaves and African-Americans and continuing with the influence of European music on these to create the jazz forms of the New World. The course covers the birth of jazz in New Orleans and its dissemination to St. Louis, Chicago, Kansas City and New York. There will be a review of the great innovators and popularizers and investigation of its forms and structures. Offered periodically.

POLITICS, ECONOMICS AND LAW COURSES

All course offerings are contingent on budgetary allocations, faculty resources and enrollment figures and unless otherwise indicated, are offered in accordance with student demand.

PE1401 Introduction to Economics

4 cr.

A survey course that begins with a brief examination of the evolution of the modern market economy and of the major schools of economic thought. The course progresses to an explanation of fundamental economic principles and concepts and to the study of some contemporary economic problems in the U.S. Offered periodically.

Prerequisite: ECI.

PE1600 People, Power, Politics

4 cr.

An introductory course that begins with an examination of the nature of power in different areas of human experience, and then proceeds to look at power issues related to lawmaking, governmental institutions, and political participation both inside and outside of those institutions. The course is intended to illustrate the various sources of power that people possess to bring about political and social change. It draws on current events in order to better illustrate the topics discussed. Offered periodically.

Prerequisite: ECI.

PE2220 Introduction to Urban Issues

4 cr.

An examination of various perspectives on urban areas and of important urban issues, including social problems of minority communities, housing and public services. Offered every semester.

Prerequisite: ECI.

- PE2240 Introduction to Latin American Studies** **4 cr.**
 This course is an interdisciplinary introduction to Latin American history, social and economic development, and diverse cultures. Historical documentaries, readings, and dramatic films are used to examine the legacies of colonialism, uneven development, reform and revolution, the social construction of race, and changing gender roles. Offered every Fall.
Prerequisite: EC II.
- PE2300 Introduction to Law** **4 cr.**
 This course is intended to familiarize students with the basic substantive, procedural, and structural components of the legal system of the United States of America. This course provides an introduction to the common law and the essential characteristics of the United States legal system: basic constitutional structures and the judicial function, the basics of legal methodology, the role of the legal profession in an adversary system and a survey of core legal principles in different areas of the law. Offered every semester.
Prerequisite: EC I.
- PE2400 Introduction to Political Economy** **4 cr.**
 This course is an introduction to capitalism, as seen initially through the great works of political economy by Adam Smith, David Ricardo and Karl . It presents their writings in a theoretical and social context, as well as in relation to modern economics. The curriculum then turns to the present and applies this foundation to an examination of economic crises, labor exploitation, the profit motive, and the role of the government under capitalism. Offered every semester.
Prerequisite: EC I.
- PE2420 Principles of Microeconomics (Equivalent to BU2420)** **4 cr.**
 An introduction to neoclassical economic theory. Consumer and producer behaviors, price formation in the market and the role of the market in allocating resources and coordinating social production are among the topics covered. Offered every semester.
Prerequisite: EC II.
- PE2430 Principles of Macroeconomics (Equivalent to BU2430)** **4 cr.**
 An introduction to conventional macroeconomic theory, including the determination of national income, government taxing and spending policy, money and banking, unemployment, and inflation. Offered every semester.
Prerequisite: EC II.
- PE2650 Introduction to U.S. Politics** **4 cr.**
 This introduction to power and politics in the U.S. explores the Declaration of Independence and the Constitution; public opinion, interest groups, social movements, and voting; the institutions of Congress, the Presidency and the Supreme Court; and the making of current policies. Emphasis is placed on issues of power, democracy, and political and social change. Offered every semester.
Prerequisite: EC I.
- PE3100 International Relations** **4 cr.**
 Introduces principles of state-to-state relations, basic modes of resolving international disputes and the evolution of international organizations. The course emphasizes how each individual is related to global politics and encourages students to study and propose solutions to some of the most severe problems of human rights, national security and environmental survival. Offered every semester.
Prerequisite: EC II.
- PE3201 Statistics** **4 cr.**
 Surveys the basic topics of modern statistics, including descriptive statistics, probability theory, probability distributions, hypothesis testing, simple regression.
Prerequisite: MA1020.
- PE 3240 Inter-American Relations and Immigration** **4 cr.**
 This course examines the political, economic, and social processes that shape foreign policies and international relations in the Western Hemisphere, and the consequences of those policies and relationships for the peoples of the hemisphere. The main themes include manifest destiny, imperialism, the Cold War, neoliberalism, and inter-American immigration. Offered every other Spring.
Prerequisite: EC II.
- PE3400 Political Economy of the Third World** **4 cr.**
 Analysis of the major political, economic and social problems of the Third World i.e., the nations of Africa, Asia, and Latin America and the Caribbean. The course traces broadly the history of colonialism and considers its impact on the postcolonial political economy of the Third World. Case studies may complement the general analysis. Offered every semester.
Prerequisite: EC II.
- PE3410 Contemporary U.S. Political Economy** **4 cr.**
 This course is designed to familiarize the student with the workings of the economy within a class and institutional context. Focuses on the economic history of the United States from the perspective of competition between firms, management/worker relations and the involvement of the state in the economy. Offered every semester.
Prerequisite: EC II.
- PE3425 Economic Analysis-Micro** **4 cr.**
 An in-depth study of price theory. Develops and redefines the neoclassical principles presented in PE2420. Emphasizes the application of economic theory to public policy making.
Prerequisite: PE2420 or BU2420.

PE3435 Economic Analysis-Macro 4 cr.

A detailed analysis of classical, Keynesian, monetarist, and rational expectation theories of income determination and growth.

Prerequisite: PE2430 or BU2430.

PE3440 International Economics 4 cr.

The focus of this course is international trade theory and policy. It covers as well certain fundamental aspects of international monetary economics. The curriculum is designed to provide students with the basic skills required for an understanding and critical analysis of the principal global economic issues facing the United States and the world today. Offered periodically.

Prerequisite: PE2420 (BU2420) or PE2430 (BU2430).

PE3450 Women from a Global Perspective 4 cr.

This course examines the various roles of women in the global economy, with particular emphasis on the international division of labor. It provides a class, ethnic and historical analysis of the study of women as part of economic and social change. Case studies of women in advanced capitalist and Third World nations show their increasing interactions. Offered periodically.

Prerequisite: ECII.

PE3610 Conflict and Revolution in the 20th Century 4 cr.

Rapid changes in the global economy, the rise of 20th Century social movements as well as ethnic tensions have led to conflicts in various parts of the world. The different origins of the violence as well as the outcomes are the subject matter of this course. Case studies including the Middle East, Africa, Latin America and the Caribbean, China and the U.S. Civil Rights movements are used selectively to illustrate instances of rebellion.

Prerequisite: ECII.

PE3690 City & Suburb: Political Action and Change 4 cr.

A survey of city and suburban organization practices. Examines the role of the community organization in fostering local autonomy and as an agency for social, political and economic change in our cities and suburbs.

Prerequisite: ECII.

PE3720 Long Island: Economy, Environment and Society 4 cr.

Most Americans now live in suburban areas like Long Island. Since the Second World War and the building of Levittown, Long Island's economy has been transformed from an agricultural area to a bedroom community. Its natural amenity allowed the creation of a number of parks known world over. Since the seventies, the area has witnessed a boom in commerce and lately, of office space. The course covers the past and recent changes in this region.

Prerequisite: ECII.

PE3750 Politics of Race and Class 4 cr.

This course explores the intersection of race and class in the U.S., inquires into the relationship between race and quality of life, and examines limitations on the representativeness of the political system at federal, state, and local levels of government. Central to the course is the question of government responsiveness on issues of race and class. Particular attention is paid to the operation of U.S. political parties, to elections and voting, to legislative process and executive leadership, and to media performance in public debate. Delete: Offered periodically.

Prerequisite: EC II.

PE3850 State and Local Politics 4 cr.

The course examines government and politics at the state and local level, with particular emphasis on New York State. It discusses issues in state and local government and the impact of the competing interests of the people of New York on public policy. It also explores the historical context and contemporary state of policy initiatives on issues such as criminal justice, welfare, health care, education, immigration, the environment and taxation. Offered periodically.

Prerequisite: ECII.

PE4100 International Organizations in the Global Economy 4 cr.

This course explores various approaches to international organizations and the contribution these organizations make to the creation, maintenance, and change of world order. Current issues facing the United Nations and its specialized agencies, the Bretton Woods financial institutions, and regional organizations will be examined. While much attention is given in this course to the role of permanent, intergovernmental organizations, the course also examines the role of nongovernmental organizations, international law, treaties, and norms in international relations.

Prerequisite: Upper-Division standing.

PE4150 Terrorism and Politics 4 cr.

The class seeks to understand what terrorism is (and is not), and how new networks of political and religious activists differ strategically from those who used older forms of violence. Building on concepts of international law and organizations, we study both military and non-military approaches to ending terrorism. Students learn about relations between political power and how the suppression of democratic critique is related to terrorist violence. We ask: Does the curtailing of our freedom of expression, assembly and association, writ of habeas corpus and denial of legal representation help or hinder our efforts to end terrorist actions? Offered periodically.

Prerequisite: PE3100 is helpful, but class is open to any students with upper-division standing.

PE4275 Applied Econometrics 4 cr.

Builds on the knowledge and skills in statistics by the study of simple and multiple regression analysis to test empirical propositions in economics and to forecast economic time series. Students are also required to become fluent in the use of a statistics computer program.

Prerequisite: MA2300, MA2310, PE3201 or BU3201.

PE4200 Middle Eastern Politics 4 cr.

Recent events like the terrorist attacks of September the 11th, the Persian Gulf Wars, the U.S. occupation of Iraq, the Arab-Israeli conflict, the rise of political Islam have highlighted awareness of the significance of the Middle East in world politics as well as the lack of understanding about the region in the West. This course explores the geographic, historical, political, economic, and cultural aspects of the Middle East, covering such topics as the making of the modern Middle East, Arab nationalism, the U.S. occupation of Iraq, the Palestinian-Israeli conflict, Islam and human/women's rights, and Iran and the bomb.

Prerequisite: Upper-Division standing.

PE4280 Environmental Politics 4 cr.

The course will begin by examining the crucial biophysical, economic, and social issues facing local communities and political leaders today. In the second part of the course students are brought through the history, organizations, interests groups, and processes that shape U.S. and international environmental policy. The latter will conclude with the current debates that inform policies and negotiations within such institutions as the WTO, United Nations and agreements such as NAFTA. Students will be assigned examples of communities that have confronted environmental problems and they will research the processes by which those communities addressed them.

Prerequisite: Upper-Division standing.

PE4325 Jurisprudence: Legal Thought 4 cr.

This course is a survey of major theoretical approaches to the nature, purposes, interpretation, and practice of law. Through primary classical and contemporary documents, we will explore "classical" legal philosophies such as natural law and legal positivism, as well as the more "modern" theories of American legal thought: legal realism, law and society, feminist legal theory, critical race theory, and queer legal theory.

Prerequisite: Upper-Division standing.

PE4409 Urban Economics 4 cr.

This course examines the evolution of cities and metropolitan areas as centers of production and the relationship of urban economics to regional, national, and international economics. Attention is paid to the failure to meet the needs of significant numbers of people in urban areas. Offered periodically.

Prerequisite: Upper-Division standing.

PE4430 Health Economics 4 cr.

Health Economics provides a broad overview of healthcare delivery and finance systems, both in the U.S. and abroad, and explores the role that economic theory plays in the national healthcare reform debate. The student will be introduced to a number of basic theoretical tools used in economics to explain the allocation of scarce resources in healthcare markets. The course will also explore a number of controversial questions involving the rationing of care, "market failures" in the current healthcare system, disparities in access to care, and the extent to which recent healthcare reform legislation addresses these issues.

Prerequisite: Upper Division Standing.

PE4450 The Politics of Gender and Sexuality 4 cr.

This course examines constructions of gender and sexuality as well as gender and sexual hierarchies in the United States. It analyzes the development and implementation of public policies in such areas as childbearing and abortion, sodomy, statutory rape, sexual harassment, forcible rape and domestic violence, affirmative action, marriage, HIV-status, welfare reform, and political participation and representation. Students will investigate questions such as what role can, does, and should the state play in regulating gender and sexuality—what is the dividing line between protecting versus policing gender expression and sexual expression? How have certain constructions of gender and sexuality been used to wield power against people of color, people in poverty, and people who are unmarried? How has such oppression been resisted and what have been the effects of such resistance? Offered periodically.

Prerequisite: Upper Division Standing.

PE4455 Economic Development 4 cr.

A comparative study of economic development strategies and problems of Third World countries. The course will locate the application of development strategies in different institutional and political settings. The implication of debt repayment on economic development will also be examined.

Prerequisites: PE3400 and Upper-Division standing.

PE4460 International Finance 4 cr.

Surveys three areas: international financial markets; open-economy macroeconomics; and international monetary systems and policy. Specific topics include position taking, arbitrage, parity conditions, international banking, monetary and fiscal policy, capital mobility, fixed and flexible exchange rates, the gold standard, Bretton Woods, and the current "free market" international monetary order.

Prerequisite: PE2430.

PE4470 History of Economic Thought 4 cr.

Surveys both the central tenets and the divergences among various schools of economic thought, e.g., classical, American institutionalism, Keynesianism, etc. The relationship between economic ideas and their social contexts is emphasized. Offered every other semester.

Prerequisites: PE2420 (BU2420), PE2430 (BU2430) or Upper-Division standing.

PE4580 Origins of the Capitalist Economy 4 cr.

Studies the economic and social origins of the modern world, from different intellectual perspectives. Topics include antiquity, feudalism, the emergence of capitalism, the Industrial Revolution, the French Revolution, the spread of capitalism, the development of underdevelopment in the Third World, monopoly capitalism and imperialism, the Great Depression. Offered every other semester.

Prerequisite: Upper-Division standing.

- PE4590 Global Economy in the 20th Century 4 cr.**
 This course analyzes political and economic change in selected countries of the region from the mid-twentieth century to the present. It examines the impact of foreign control over local resources, uneven capitalist development, class conflict, and the contemporary “pink tide” of new governments on poverty, inequality, and social progress. Offered every other Spring.
Prerequisite: PE3410, or PE2420, or PE2430, or upper division standing.
- PE4600 Depression Economics: Lessons from the Great Depression and the Great Recession 4 cr.**
 This course studies depression economics—a recently revived branch of macroeconomics that seeks to understand the causes and policy remedies for large, contagious, global collapses in output and employment. We will analyze the causes and policy remedies for depressions by comparing and contrasting the Great Depression of the 1930s with the Great Recession of 2008. The advantage of the comparative approach is that it will enable us to isolate important common characteristics of these two depressions; the circumstances that made each of these crises unique; and it can provide important lessons for thinking about how to prevent future depressions. Offered every two years.
Prerequisite: PE2420 or PE2430 or Upper Division Standing.
- PE4609 Public Administration 4 cr.**
 Examines organizational theories and their application in public policy. Focuses on how decisions made at various levels of government are implemented in local urban and non-urban areas. The course involves field work, visiting public offices and contacting interviews of role players in public administration case study projects. Offered periodically.
Prerequisite: Upper-Division standing.
- PE 4610 Political Power and Social Class 4 cr.**
 This course analyzes the interaction of political power and social class from two vantage points—power from above and power from below. The first part of the course considers pluralist and conflict theories of the relationship between the state and society. The second part focuses on social movement theories, using cases from various parts of the world to illustrate effective challenges to entrenched political power as well as obstacles faced by people who feel excluded from institutions and structures of power.
Prerequisite: Upper-Division standing.
- PE4620 Political & Social Thought 4 cr.**
 Examines significant contributions to the development of western political thought from the Greeks to the 19th century. Explores in depth works by Plato, Machiavelli, Hobbes, Locke, Rousseau, Burke and John Stuart Mill. Offered every other semester.
Prerequisite: Upper-Division standing.
- PE4650 Topics in U.S. Politics 4 cr.**
 This course examines current debates and divergent views on a wide range of economic, political, and social issues. Offered periodically.
Prerequisite: PE2650 or Upper-Division standing.
- PE4655 Constitutional Law and Politics 4 cr.**
 This course examines the role of the Supreme Court in battles over representative government and struggles for power between political institutions. Emphasis is placed on cases dealing with separation of powers, federalism, economic regulation and property rights, elections and voting rights. Attention is given to the historical context of cases, the internal politics of the court and the political implications of court decisions. Offered periodically.
Prerequisite: Upper-Division standing.
- PE4658 Law and Civil Liberties 4 cr.**
 Examines the historical development and philosophical and political underpinnings of constitutional civil liberties. Analyzes Supreme Court cases and other writings on such topics as freedoms of speech, press, religion, assembly, petition, and association; the right to privacy; police searches and seizures; self-incrimination; the rights to counsel and to fair trials; and cruel and unusual punishment and the death penalty. Offered periodically.
Prerequisite: Upper-Division standing.
- PE4659 Law and Civil Rights 4 cr.**
 Examines the historical development and philosophical and political underpinnings of constitutional civil rights. Analyzes Supreme Court cases and other writings on discrimination based on race, ethnicity, gender, sexuality, and class, and discusses such topics as desegregation, affirmative action, voting and political representation, privacy, sexual harassment, Native American treaties, and welfare benefits. Offered periodically.
Prerequisite: Upper-Division standing.
- PE4660 Politics of India and the Region 4 cr.**
 Introduction to the politics of selected countries in the Indian subcontinent. The course will examine the origins of the independence movements. Major emphasis will be placed on post-independence politics, social and economic change. Offered periodically.
Prerequisite: Upper-Division standing.
- PE4665 Human Rights 4 cr.**
 This course aims to provide students with a broad working knowledge of human rights as both an intellectual discourse and a realm of political action. The course examines: the emergence and institutionalization of human rights in the 20th century, human rights as a form of international politics, the difficulties in enforcing international standards as well as a specific analysis of a number of human rights issues. Offered periodically.
Prerequisite: Upper-Division standing.

PE4690 Politics of Latin America and the Caribbean 4 cr.

This course analyzes political and economic change in selected countries of the region from the mid-twentieth century to the present. It examines the impact of foreign control over local resources, uneven capitalist development, class conflict, and the contemporary “pink tide” of new governments on poverty, inequality, and social progress. Offered every other Spring.

Prerequisites: PE 2240, PE 3100, PE 3240 or PE 3400 or Upper-Division standing.

PE5990 Internship 4 cr.

This internship will give students practical experience in the fields of public policy, legal affairs, economics as well as state and local governments. Students will be working in various public nonprofit advocacy agencies. The working hours and duration of the internship will be determined by the instructor and the agency. Students will be required to submit a journal and a portfolio of work at the end of the semester. This is an excellent opportunity for students to acquire training in their chosen area of specialization.

Prerequisites: Introductory courses in PEL and permission of the instructor.

PE9970 New York State Assembly Session Internship 15 cr.

This is a fifteen-credit course that takes place in Albany every spring semester. It begins the first week of January and runs through the middle of May. Students work approximately 30 hours per week in the office of a member of the New York State Assembly and take one seminar course focusing on government and politics in New York State. The State provides a stipend to assist with relocation and housing. Enrollment is by application and is competitive. Application deadline: mid-October.

PSYCHOLOGY COURSES

All course offerings are contingent on budgetary allocations, faculty resources, and enrollment figures, and unless otherwise indicated, are offered in accordance with student demand.

PY 2xxx Introduction to Human Development (For 2000-level elective credit for transfer students only.)

This introductory level course surveys human development across the lifespan. Major theories and research evidence regarding physical, cognitive, and psychosocial growth and development will be presented. Issues relevant to development at different stages of life will be explored. Diversity, including the impact of gender, race, cultural and socioeconomic background on development will be discussed throughout the course. Not offered at Old Westbury; only accepted as transfer credit.

Prerequisite: ECI.

PY2010 Introduction to Psychology 4 cr.

A prerequisite to all other psychology courses. Based on methods and data of scientific psychology, this course investigates basic principles of behavior. The socio-cultural context in which humans develop is emphasized throughout. Areas of psychology to be covered include neurophysiology, cognition, learning, developmental, social, personality, and abnormal. Offered every semester. Minimum grade of C required.

Prerequisite: ECI.

PY2340 Community Psychology 4 cr.

This course focuses on the application of community psychology action research practices and community psychology constructs to the development and provision of resources and services necessary to well-functioning communities capable of meeting the basic, medical, mental health, safety and welfare needs of all of its members. The impact of structural inequalities, political and social organization, social class, culture, ethnicity, race, gender and ability are central concerns of the course. Students are required to visit/research local and regional community based resources and agencies, develop a written protocol for a prevention or promotion program which could be realized based on the principles studied in the course. Relevant Community Psychology concepts are assessed through a series of written exercises and activities. Offered every semester.

Prerequisite: ECI.

PY2420 Introduction to Mindfulness 4 cr.

This course will introduce contemplative practices including breathing, body scan, walking and loving kindness meditation, reflective journaling and, yoga. Mindfulness attitudes and their application to study skills and identity as learners, stress and relationships will be explored. Topics covered will include research on the effect of meditation on the brain and the relevance of mindfulness to environmental awareness, social activism and therapeutic approaches. Assignments will include journals, essays, behavioral observations and experiential exercises. Small group and team work, CD's and videos will be used to encourage student engagement with diverse perspectives.

PY2530 Psychology of Prejudice and Discrimination 4 cr.

This course explores the impact of prejudice and active discrimination as social and psychological processes on individuals, groups and communities. The effects of prejudgment and discrimination as they manifest in structural inequalities, classism, racism, ethnocentrism, exceptionalism, genderism and sexism, and discrimination against the differently abled are investigated. Institutionalization of these patterns and similarities/differences between these concepts are examined. Students will explore their own understanding, experience and

perpetuation of prejudice and discrimination as well as relevant theoretical information and current real life manifestations of these social-psychological dynamics of human behavior. An examination of social action principles that redress these dynamics will be covered. Offered every semester

Prerequisite: ECI.

PY2720 Psychology of Gender

4 cr.

An introductory-level psychology course which examines the biological and sociocultural correlates of sex and gender. The attitudes, self-concepts and societal roles of men and women are explored through research findings, film, selections from current literature, and reflections on personal experience. The complex interplay of culture and social class on gender roles is examined. Race, ethnicity, and sexual orientation are included in readings and discussion. Analytical and critical thinking skills and communication of ideas are emphasized throughout the course.

Prerequisite: ECI.

PY2730 The Psychology of Peoples of African Descent in the United States

4 cr.

This course focuses on the psychology and mental health of peoples of African descent in the United States. The treatment of peoples of African descent in research and theoretical literature is critically analyzed, especially in relation to racial identity, self-concept, strengths, resilience, and family dynamics. The study and impact of public policy, socio-cultural context, social class, gender, sexual orientation and ethnicity on psychological functioning is central to the course. Small group projects and activities are used to enhance multicultural communication and collaborative learning. Offered every other year.

Prerequisites: ECI.

PY3020 Health Psychology

4 cr.

A broad, comprehensive review of theories, trends, research, and psychological interventions related to health and human behavior. Biological, psychological, and social factors involved in health issues will be discussed, along with a more pragmatic understanding of the connection between physical health and psychological processes and behavior. Specific health concerns to be discussed include stress and coping; cardiovascular diseases, cancer, diabetes, AIDS and other diseases of the immune system. The impact of socioeconomic status, race and ethnicity, and gender on health will also be examined. Offered once a year.

Prerequisites: PY2010 (with a minimum grade of "C"); EMS.

PY3110 Research Methods I

4 cr.

Introduces the student to the basic research methodologies in psychology. Combining lecture and laboratory exercises, students are exposed to experimental and non-experimental research paradigms. Emphasis is placed on the process of scientific inquiry in general, and the concepts and terminology of psychological research in particular. Ethical considerations of psychological research are explored. Discipline-specific library skills, the critical reading of the professional literature, and research report writing are emphasized. Students are required to write at least one empirical research report in the style recommended by the American Psychological Association. Offered every semester.

Prerequisites: PY2010 (with a minimum grade of "C"); EMS.

PY3120 Research Methods II: Basic Statistics for Psychologists

4 cr.

An introduction to statistical methods. Topics include descriptive statistics (measures of central tendency and dispersion, correlation) and basic inferential statistics (sampling distributions; t-tests; chi square tests). Emphasis is on both the underlying conceptual framework of statistical analysis and on carrying out simple statistical procedures. Offered every semester.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3110 (with a minimum grade of "C"); EMS; math proficiency required.

PY3215 Foundations of Child Development

4 cr.

This course focuses on child development, primarily during the preschool and school-age years (ages 2-12). Major theories and research evidence will be presented relating to three areas of children's growth and development: (1) physical, including sensory-motor and brain development; (2) cognitive, including language, information processing and memory, problem solving, and metacognition; and (3) emotional and psychosocial, including self-identity, self-concept, and social functioning. Factors affecting children's development, including socioeconomic status, racial and multicultural backgrounds, gender and other diversity will be discussed throughout the course, along with additional societal influences, such as family, peer, schools and teachers, and the media. Lectures, videos and discussions, class exercises, and assigned projects are intended to enhance understanding of healthy growth and relevant issues and threats to children's development.

Prerequisites: PY2010 (with a minimum grade of "C"); EMS.

PY3230 Adulthood & Aging

4 cr.

This course explores psychological development in the social context from early adulthood to old age. Personality theories and research methods as they apply to the study of aging are reviewed. Life cycle changes in family and work structure and roles are discussed. Additional topics include demographics, coping and successful aging, health, friendship and community, and death and dying. The impact of gender, culture and race and socioeconomic background are examined throughout. The course includes in-class exercises and a senior interview project.

Prerequisites: PY2010 (with a minimum grade of "C"); EMS.

PY3310 Abnormal Human Behavior

4 cr.

Explores mental illness and other forms of abnormal behavior. In addition to surveying individual diagnostic categories, the course examines various explanations of mental illness (biological, psychodynamic, behaviorist, cognitive, and sociocultural), and issues of diagnosis, assessment, and treatment. Offered every semester.

Prerequisites: PY2010 (with a minimum grade "C"); EMS.

PY3311 Theories of Personality**4 cr.**

A survey of the major theories of personality and personality development, including psychoanalytic, behaviorist, cognitive, existential, and sociocultural theories. Offered once a year.

Prerequisites: PY2010 (with a minimum grade of "C"); EMS.

PY3320 Peer Counseling**4 cr.**

This course is a blend of scholastic study and practical training in precise questioning and listening skills. Students are educated in approaches to counseling and are trained to become proficient at entering into trained supportive relationships with their peers in a wide range of student-generated counseling services. Offered on demand.

Prerequisites: PY2010 (with a minimum grade of "C"); EMS.

PY3330 Psychology of Addictions**4 cr.**

This course presents addiction and recovery as a function of the dynamic interaction among biological, psychological and environmental factors. Addiction is discussed as neuropathy, psychopathology and maladaptive behavior. The basics of behavioral psychopharmacology are presented and discussed with regard to prescribed and self-administered drugs. Emphasis is placed on the role of personality in addiction from a psychodynamic/interpersonal perspective. Treatment and rehabilitation strategies developed out of this model as well as those developed out of cognitive-behavioral, 12-step, and psychopharmacological models are presented and integrated. Field visits to appropriate self-help groups and treatment centers may be required.

Prerequisites: PY2010 (with a minimum grade of "C") and any other course in Psychology at the 3000-level or higher; EMS.

PY3410 Cognitive Psychology**4 cr.**

Theoretical, conceptual and empirical issues in cognition will be examined from an information processing perspective. The course also includes a survey of neurophysiological aspects of perception, memory and cognitive processes. Offered once a year.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3110 (with a minimum grade of "C"); EMS.

PY3420 Learning and Motivation**4 cr.**

Explores major theoretical and empirical issues in the area of learning, classical and operant conditioning, and examines the role of motivation and emotion in learning. The course also surveys physiological, psychoanalytic and social learning theories of motivation and emotion. Offered once a year.

Prerequisites: PY2010 (with a minimum grade of "C"); EMS.

PY3430 Decision-Making and Judgment**4 cr.**

This course examines how people make decisions and judgments and how these decisions and judgments affect one's personal life and society. Topics include, but are not limited to, biases in ones' search for evidence, anchoring and adjustment, group think, framing and heuristics.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3110 (with a minimum grade of "C"); EMS.

PY3500 Junior Seminar: Preparation for Professional Studies**4 cr.**

This course will introduce junior-level students to different career paths and options in mental health and human service fields. Professionals working in the field will be invited to speak with students. Students will also learn of the specific requirements, procedures and responsibilities for gaining admission to various types of graduate programs. In addition to completion of assigned readings and research into graduate programs, students will be required to prepare their personal portfolio, which should assist them when applying to graduate schools.

Prerequisites: PY2010 (with a minimum grade of "C"); 20 cr. in Psychology; EMS.

PY3510 Social Psychology**4 cr.**

Analysis of central concepts, processes and research methods of the systematic study of social influence including attitude formation and change, propaganda and persuasion, mass communication, prejudice and discrimination, group pressures, conformity and norms, aggression, social control and the role of structural dynamics on inequality and equality of individuals, communities and larger units of national organization. Offered every semester.

Prerequisites: PY2010 (with a minimum grade of "C"); EMS.

PY3530 Forensic Psychology**4 cr.**

Forensic psychology is both a research endeavor and the professional practice of applying psychological information to legal issues. This course will discuss psychological research and practice concerning the following: the capacity to adequately parent, child custody evaluations, personal injury and psychological disability determinations, civil commitment assessment, dangerousness/risk assessment, specific intent and diminished capacity, competency to stand trial, assessing psychological suitability for police work and, psychological profiling.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3310 recommended; EMS.

PY3540 Environmental Psychology**4 cr.**

This course examines the ways in which our attitudes and beliefs influence our use and abuse of the environment and the impact of the environment on our psychological functioning. Technological problems such as acid rain and smog are seen as rooted in social, political and economic structures and in our perceptions about the world. The environmental movement in the past twenty years is examined in its social and historical context and the traditional perspectives that are normally given to us to explain ecological crises are challenged. Offered according to demand.

Prerequisites: PY2010 (with a minimum grade of "C"); EMS.

PY3550 Social Psychology of Work **4 cr.**

Covers forms of industrial management, work satisfaction, theories of motivation and leadership, and issues of human resource management. Includes examining the organization of work in the US and globally and structural inequalities in access to workforce preparation, education, reward and human needs benefits. Topics such as: child labor; labor – management relationships; national and regional; national and international labor law as it applies to worker rights and protections; and the delivery of mental and medical health services will be covered.

Prerequisites: PY 2010 and PY 3110 (both with minimum grades of "C"); EMS

PY3610 Brain & Behavior **4 cr.**

An introduction to biological psychology. Topics covered include the structure and function of nerve cells, brain anatomy, psychopharmacology, and the genetics and evolution of behavior. Complex behaviors examined include sleep, memory, speech, and emotional behaviors. Offered every semester.

Prerequisites: PY2010 (with a minimum grade of "C"); and any 3000-level or higher psychology course or BS2400 or equivalent; EMS.

PY 3620 Mood, Mentation & Medication **4 cr.**

This course examines the use of psychoactive medication in the treatment of psychiatric disorders. Basic principles of psychopharmacology are presented. Brain/behavior relationships in normal and abnormal functioning are reviewed with respect to neurotransmitter pathways and the medications that affect them. Medication and psychotherapy integration is emphasized.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3110 (with a minimum grade of "C"); PY3610 recommended; EMS.

PY3740 Psychology of Latinos **4 cr.**

Explores the social, psychological, political and historical factors that impact on the psychological development of the various Latino groups in the United States. Emphasis will be placed on understanding the unique issues affecting each Latino group as well as those issues common to all Latino groups. Offered every other year.

Prerequisites: PY2010 (with a minimum grade of "C"); EMS.

PY3750 Psychology of Asian Americans **4 cr.**

This course explores the assimilation and identity development of Asian Americans in contemporary America. The course explores the historical context of out-migration of various Asian groups and the issues and challenges that confronted them as they began to develop lives, communities and relationships in America. The course examines the issues that continue to shape these communities into the present day and the cultural, social, religious and other factors that shape individual development of Asian American Identity. Other topics include the model minority myth, stereotypes of assimilation, multi-racial identity formation; social and cultural similarities and difference between Asian groups. An important focus of the course is the analysis of the way in which these factors might be taken into account when working with Asian Americans in a variety of contexts. Requirements include a book review, oral presentations and a research paper. Offered every other year.

Prerequisites: PY 2010 with a minimum grade of "C"; EMS.

PY4010 History of Psychology **4 cr.**

A consideration of the major problems, ideas, and schools of thought which form the basis of modern psychological theories and methods. Ideas of structuralism, idealism, functionalism, psychoanalysis, behaviorism, will be discussed as they relate to the development of psychological theory. Original sources will be read and discussed. Offered according to demand.

Prerequisites: PY2010 (with a minimum of grade of "C"); one platform course required; another platform course highly recommended; EMS.

PY4100 Research Methods III: Advanced Research Skills **4 cr.**

A senior-level research course with an emphasis on discipline-specific library research, critical analysis of the psychological literature, and use of statistics to analyze data. Students conduct an experimental or non-experimental study, analyze the results and write up the findings according to the Publication Manual of the American Psychological Association. Offered every semester.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3110 (with a minimum grade of "C"); PY3120 (with a minimum grade of "C"); EMS.

PY4130 Field Experience and Research **4 cr.**

Students engage in supervised experience and field work in a wide variety of clinical, psychiatric/psychological, community organizational and agency settings in mental and physical health, community action and civic engagement and social welfare settings. A weekly seminar will include student presentation of placement experiences and issues relevant to successful field work and service delivery. The impact of systematic structural inequalities, prejudice and discrimination, diversity and multicultural sensitivity are integrated into issues relevant to the availability and success of community mental health professionals and community resources. Field research techniques including observational methods and field notes will be covered in preparation for a final research paper integrating the internship experience with literature review. Students are required to engage in an approved placement 8 hours weekly/ten weeks. Offered every semester.

Prerequisites PY2010 and PY 3110 (Both with minimum grades of "C"; 24 credits in psychology and EMS.

PY4140 Internship in Applied Psychology **4 cr.**

In this course, students, in conjunction with the instructor, select an experience in an applied setting. Field observation notes and a final paper analyzing some aspect of the field experience are required. Individual readings are assigned. Individual-directed research is also an option. Offered according to demand.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3110 (with minimum grades of "C"); 24 credits in psychology; EMS.

PY4210 The Exceptional Child 4 cr.

This course presents a comprehensive introduction to psychopathology during infancy, childhood and adolescence. Major theories and empirical findings guide discussions of the various childhood and adolescent disorders, and intervention efforts aimed and ameliorating or preventing them. Exceptional children and teens and their behavior are viewed within the context of developmental processes, biopsychosocial factors, and norms. Topics include pervasive developmental disorders, mental retardation, attention-deficit hyperactivity disorder, learning disabilities, anxiety disorders, mood disorders, eating disorders, and aggressive/violent behavior. The perspectives of parents and the role of schools in the process of assessing and classifying "special" children are examined. Offered once a year.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3110; Either PY3215 (or equivalent) or PY3310; EMS.

PY4230 The Psychobiology of Aging 4 cr.

This course focuses on the physical, cognitive, and biological changes that occur as a process of aging in adulthood and their impact on functional ability and disability. The changing needs of the individual as a function of these physiological and cognitive changes are examined from a global and cross-cultural perspective. The impact of these changes and their interaction with factors such as gender and socio-economic class are compared in developed and developing nations. Offered every year.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3110 (with a minimum grade of "C"); PY3610 highly recommended; EMS.

PY4320 Counseling Psychology 4 cr.

This course is intended to be a survey of the nature of the counseling process. Screening, intake procedure, diagnosis, treatment planning, treatment models, and termination of treatment will be considered. The student who takes this course can be expected to gain the skills necessary for entry level agency interviewing positions. Offered once a year.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3310 or 4310 required; EMS.

PY4330 Behavior Modification 4 cr.

This course will consist of in-depth discussion of concepts and principles of behavior change, and their application in various settings (such as clinical, home, school, and work settings). Cognitive-behavioral methods will also be discussed. Special emphasis will be placed on behavior change procedures, with numerous illustrations and some opportunities for students to practice the principles. Offered once a year.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3310, or PY3420 or PY4210 recommended; EMS.

PY4340 Clinical and Educational Assessment 4 cr.

This course examines the major approaches to psychological and psychoeducational testing, including assessment of intelligence, cognitive and intellectual functioning, school achievement, career and vocational interests, and personality. Test construction, reliability, validity, and use of testing for selection purposes are discussed. Additional topics covered include appropriate uses of testing, test bias and potential abuses of testing, and other sociocultural issues relevant to testing. Offered every other year.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3110 (with a minimum grade of "C"); PY3120 (with a minimum grade of "C"); EMS.

PY4350 The Psychology of Violence 4 cr.

There is an epidemic of violence in the United States. This course uses a multidisciplinary approach to explore the multiple factors which cause and perpetuate violence in both public and private settings. The impact of the media, institutional racism, sexism and heterosexism on the incidence, prevalence and experience of violence is investigated. A range of violence prevention programs are evaluated. Offered once a year.

Prerequisites: PY2010 (with a minimum grade of "C") and one other 3000-level psychology course; EMS.

PY 4410 Psychology of Teaching and Learning 4 cr.

This course focusses on the psychological issues that are related to effective teaching and learning. Current research in cognitive psychology and neuroscience will be reviewed and discussed in the context of the development of cognitive and meta-cognitive skills, language and mathematical learning and skill development in the individual. Classroom teaching strategies and educational practices will also be discussed. Requirements include oral presentations and a research paper. Offered every two years.

Prerequisites: PY 2010 and PY 3110 (both with minimum grades of "C"); EMS.

PY4420 Adolescent Development 4 cr.

This course will examine research theory about biological, cognitive, psychological and moral development and how parents, peers, schools, and the media influence development from early to late adolescence. Diversity including gender, multicultural, racial and socio-economic backgrounds will be a focus throughout. Major behavioral problems during adolescence and current social and educational issues will be discussed. Class lectures and discussions and collaborative learning groups will be based on the text and original articles. Exams and assignments will involve writing, critical analysis and a field or library research project. Offered every year.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3110; EMS.

PY4450 Infants and Toddlers

This course focuses on physical, cognitive, emotional and social development from conception to two years. Major theories of development, research findings, and methods of studying infants and toddlers will be examined. Topics covered include fetal development during pregnancy, capacities of newborns, changes in physical and sensory-motor functioning, early cognitive abilities, the attachment process, and infant child care. Lectures, videos and discussions, as well as assigned course projects, are intended to enhance students' understanding of healthy early development, and relevant issues and threats to such development. Offered every other year.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3110; EMS.

PY4520 Family Dynamics **4 cr.**

This course studies family structure, process and assessment from various perspectives such as psychoanalytic theory and other family systems theories. The impact of culture, race, sexual orientation, social class, disability and institutional oppression on family functioning and family style are examined.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3110 (with a minimum grade of "C"); and one other 3000-level psychology course; EMS.

PY4530 Group Process **4 cr.**

Covers forms of industrial management, work satisfaction, theories of motivation and leadership, and issues of human resource management. Includes examining the organization of work in the US and globally and structural inequalities in access to workforce preparation, education, reward and human needs benefits. Topics such as: child labor; labor – management relationships; national and regional; national and international labor law as it applies to worker rights and protections; and the delivery of mental and medical health services will be covered.

Prerequisites: PY 2010 and PY 3110 (both with minimum grades of "C"); EMS.

PY4560 Psychological Traumatization: Causes, Consequences, Prevention and Treatment **4 cr.**

The psychological impacts of violence (e.g., assault, war, terrorism) and natural and human-caused disasters (e.g., hurricanes, earthquakes, motor vehicle accidents, industrial accidents) on individuals, families, and communities are widespread and devastating. This course explores current understandings of the causes, symptoms, and psychological and biological mechanisms of psychological "traumatization." The course will also examine social and psychological sources of the events that cause traumatization and community response to large scale disasters and violence, and will seek to place the current interest in traumatization in historical and cultural perspective. Offered according to demand.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3310 or PY4310; EMS.

PY4610 Clinical Neuropsychology **4 cr.**

This course is an in-depth review of the neuropsychological bases of clinical pathologies including the major forms of dementia, affective disorders, schizophrenia and some childhood disorders such as autism. Etiology, neuropsychological assessment, mechanisms of drug action, as well as the neuropsychological bases of other forms of intervention are discussed. Requirements include exams and a research paper. Offered every two years.

Prerequisites: PY 2010 and PY 3110 (both with minimum grades of "C"); EMS; PY 3610 or PY 3620 highly recommended.

PY4720 Psychology of Women **4 cr.**

An advanced course in the development of girls' and women's gender identity and the relevance of psychological theory and research to women's political and socio-economic status and to agendas for change. The perspectives of women from diverse racial, cultural and socioeconomic background and with varying family relationships and sexual orientations will be included. Selected topics may include biological development, work, friendship, aging, the media, gender differences and violence and abuse.

Prerequisites: PY2010 (with a minimum grade of "C") and any platform course or a Women's Studies course; EMS.

PY4730 African-American Family Dynamics **4 cr.**

This course explores the historical, social, political, and psychological factors which have an impact on the development and functioning of African-American families in the United States, with a focus on patterns of interaction. Emphasis is placed on the strengths, adaptability and healthy functioning of these families. Research, public policy, and media representations of African American families are critically analyzed. Public policy issues will also be discussed in detail. Offered every other year.

Prerequisites: PY2010 (with a minimum grade of "C") and one other 3000-level psychology course; EMS.

Senior Seminars **4 cr.**

All the 5000-level courses fulfill the requirement for Senior Seminar. These courses may be taken after students complete at least 24 credits in psychology and PY3110 (Research Methods I). It is recommended to be taken concurrently or after completion of PY4100; EMS is required. At least one 5000-level course is offered every semester.

PY5210 Advanced Perspectives in Developmental Psychology **4 cr.**

This course provides an in-depth evaluation of theory and research about specific periods in the human lifespan, such as childhood, adolescence, and young, middle and late adulthood. A major theme of the course will be research strategies and designs used to study human development. Course topics and projects will examine biological, cognitive, psychological and/or social functioning across the lifespan, along with biopsychosocial factors that may influence such functioning, including socioeconomic factors, gender, and ethnic, racial/multiracial, and cultural background.

PY2010 (with a minimum grade of "C"); PY3110; One developmental course recommended; EMS.

PY5310 Approaches to Psychotherapy **4 cr.**

A critical analysis of approaches to psychotherapy. Theoretical and practical issues are discussed in the seminar covering major applications of psychological theories to the practice of psychotherapy. Novel theories and techniques are considered, as well as more traditional models.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3120 (with a minimum grade of "C"); EMS.

PY5320 Advanced Issues in Clinical Psychology **4 cr.**

An in-depth examination of selected current topics in clinical psychology. Topics include developments in personality theory, applications of personality theory to clinical practice, current theories of psychopathology and its treatment, trends in psychological assessment, and trends in mental health policy.

Prerequisites: PY2010 (with a minimum grade of "C"); PY 3120 (with a minimum grade of "C"); EMS.

PY5330 Topics in Personality Theory **4 cr.**

An in-depth examination of selected topics in personality theory. Topics may include psychometric issues in personality measurement, classification of personality disorders, psychodynamic theory of personality development and change, cross-cultural issues in personality theory, clinical personality assessment and the interface between personality and family and sociocultural context. This course is organized around the development, diagnosis and psychotherapy treatment of personality disorders. Students conduct a literature search and write a substantial paper in the area of the psychology of personality, which is presented in class.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3120 (with a minimum grade of "C"); PY4320 recommended.

PY5410 The Psychology of Language **4 cr.**

This course examines language and language functions from a cross-cultural perspective. Students are introduced to the elements of psycholinguistics, neurobiology of language processing and comprehension, and the development and evolution of language systems. Offered according to demand.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3110 (with a minimum grade of "C"); PY3120 (with a minimum grade of "C"); PY4100 concurrent; PY3410 or PY3610; EMS.

PY5510 Advanced Issues in Social Psychology **4 cr.**

This course will focus on areas of theory and research of current concern to social psychologists including the effects of rapid social transitions on the nature and content of psychological investigation. Content that may be covered in this course includes: rapid changes in technology and their impact on work and family, modern trends in the socialization processes within family and social institutions, communication and impact of media on social behavior, leadership, social conflict and group functioning, social power and persuasion, and the impact of social structure on psychological functioning.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3120 (with a minimum grade of "C").

PY5520 Families & Public Policy **4 cr.**

This course will focus on the impact of public policy on family structure and functioning. Policies related to education, child care, public assistance, housing and health care are among some of the issues which will be explored. Research in these areas as well as efforts being made by various organizations and advocacy groups to impact on public policy decisions will be critically examined.

Prerequisites: PY2010 (with a minimum grade of "C"); PY3210, PY3220, PY3230, PY4210, PY4520 or PY4730 strongly recommended.

PY5610 Research Perspectives in Neuropsychology **4 cr.**

This course explores current research into the biological substrates of normal cognitive functions such as memory, learning, attention and language and also of pathological states such as depression, schizophrenia and dementia. Other topics of review and discussion include the neuropharmacology of psychoactive drugs, neuropsychological assessment and evaluation techniques and other forms of intervention. Offered every other year.

PY2010 (with minimum grade of "C"); PY3110 (with minimum grade of "C"); PY3120 (with minimum grade of "C"); PY4100 concurrent; PY3410, PY3610; or PY3620; EMS.

PY5770 Cross-Cultural Psychology **4 cr.**

This course explores the impact of culture and cultural difference on the psychotherapeutic relationship. Culture will be defined broadly to include issues such as race, gender and sexual orientation. Basic interviewing and counseling skills will be introduced. Senior level psychology majors will be expected to discuss their feelings and understanding of various theoretical approaches as they negotiate role plays of counseling culturally diverse clients.

Prerequisite: PY2010 (with a minimum grade of "C"); PY3120 (with a minimum grade of "C"); PY4320 recommended; EMS.

PY9000 Teaching Assistant/Peer Tutor **2-8 cr.**

The TA program provides a peer support system for students enrolled in the research methodology courses. TAs provide one-on-one tutorial assistance with the conceptual and writing skills relevant to the research sequence. TAs actively participate in course-related activities such as library research, assisting with in-class activities, and preparing mini-lectures to present in class. Tutorial and meeting hours are arranged by the instructor. Credits offered range from a minimum of 2 to a maximum of 8, and are dependent on instructional need.

Prerequisite: Recommendation of Instructor.

PUBLIC HEALTH

All course offerings are contingent on budgetary allocations, faculty resources, and enrollment figures and, unless otherwise indicated, are offered in accordance with student needs.

PH3200 Nutrition and Society **4 cr.**

This course presents principles of nutrition and analyzes social forces that affect Americans' nutritional status. Emphasizes relationship between dietary intake and common diseases. Includes practical considerations to help students become more astute consumers.

Prerequisite: EMS.

PH3600 Introduction to the Social Determinants of Health **4 cr.**

Introduces students to the public health perspective on health, also called the social determinants of health, which includes a detailed examination of social class, racism, gender, community, environment, employment, social relationships, nutrition and the American food system, as well as access to health care. Students learn about numerous American institutions, and examine critically how individuals' location in American society shapes their health status. They also learn to locate individual health behavior within its social context.

Prerequisite: EMS.

PH3610 Introduction to the U.S. Health Care System **4 cr.**

Students will examine the history and institutions of the health care system and the health care professions and workforce. Students will examine concepts and terminology crucial to understanding both the history and current structure of the health care system. The course will focus on modes of health care financing, quality of care, inequalities in care, and historical and contemporary issues in health care reform, and will analyze issues from the perspective of patients.

Prerequisite: EMS. Note: PH3600 is NOT a prerequisite for PH3610.

PH4450 Human Sexuality **4 cr.**

Provides a detailed explication of the anatomy and physiology of human sexuality and reproduction. Also included is an exploration of such issues as sexually-transmitted diseases, pregnancy and birth, contraception and abortion. Students learn to examine biological issues in the social context of the meaning of sexuality in modern American society, and the use and misuse of sexual messages by major American institutions, including the media.

Prerequisite: EMS.

PH4600 Health Promotion **4 cr.**

Educational, motivational, organizational, political, and economic supports designed to facilitate behavioral and environmental changes that improve or protect health. Students gain understanding of the theoretical framework supporting health promotion strategies and the materials and methods available for facilitating individual, organizational, and societal change in health practices.

Prerequisite: EMS.

PH4610 Women and Health **4 cr.**

A critical look at women's health issues from the perspective of the women's health movement; normal female reproductive anatomy and physiology; medical and alternative views of women's health issues such as female sexuality; reproductive choices; women, AIDS and STDs; pregnancy, childbirth, and mothering; infertility; women, aging and menopause; breast cancer; women as health care providers; research in women's health.

Prerequisite: EMS.

PH4631 Mental Health **4 cr.**

Discusses the distribution of mental health disorders in the population; the relationship between mental health and social organization; the history of community institutions in coping with mental health; alternative ways of working with mental health problems in the community.

Prerequisite: EMS.

PH4650 Substance Use and Abuse **4 cr.**

Examines the psychological, physiological and sociological aspects of substance use and abuse, both legal and illegal. Theories of addiction and a review of law enforcement practices are examined both historically and internationally. Available treatment resources are reviewed.

Prerequisite: EMS.

PH4661 Health Education **4 cr.**

Students learn theories of health education, techniques for assessing the need for health education programs, and the range of resources available for program planning. Students analyze the methods and techniques employed in case studies of health education to evaluate the effectiveness of such programs.

Prerequisite: EMS.

PH4670 Biostatistics **4 cr.**

Basic principles of statistics with emphasis on the analysis of vital statistics. Focuses on the application of statistical tools to health data, estimation, inference, hypothesis testing, T-test, chi-square, and analysis of variance.

Prerequisites: MA1020; or MA2000; EMS.

PH4700 Medical Anthropology **4 cr.**

Provides a working knowledge of anthropological concepts of disease and illness. Students are encouraged to look beyond their own cultural views of health and illness, using theoretical constructs from the social and behavioral sciences. Attention is paid to descriptions

of non-Western disease and illness states, indigenous therapies and health practices. The theoretical implications of these cross-cultural studies for health care issues in the U.S. are considered.

Prerequisite: EMS.

PH4750 Aging and Social Policy 4 cr.

Introduces students to fundamental aspects of aging and health, with a primary focus on the United States. Beginning with an overview of the social-scientific study of aging, it examines theories of aging, factors influencing health in older adults including social support, living arrangements, work and retirement, and health care and caregiving. It includes an economic analysis of aging, with a focus on issues of health, poverty and inequality.

Prerequisite: EMS.

PH4760 Health Administration 4 cr.

Introduces management and planning concepts and their application to the health field. Attention is paid to system-wide considerations, e.g., methods of health care regulation and cost containment, as well as to techniques and concepts used in managing health care organizations. Managerial and regulatory processes are emphasized. Students are encouraged to relate organizational capabilities to the larger social, political, and economic environment.

Prerequisite: EMS.

PH4770 Occupational Health 4 cr.

Examines the legal, economic, and political foundations of occupational health work in the U.S. The roles of government, unions, corporations, and research organizations are examined. Students review the scientific basis for the association of occupational exposures with disease, including occupational cancer and respiratory disease.

Prerequisite: EMS.

PH4790 Health Policy 4 cr.

Identifies and analyzes the political forces acting in the health care sector and examines their relationship to the U.S. political scene. Debates over health policy are traced historically and related to major policy issues in U.S. history. Special attention is paid to coalition building; the possibility of reform; the development of the idea that health care is a right; and private influence on the functioning of public agencies; policy formation and government involvement in health care.

Prerequisite: EMS.

PH4800 Epidemiology 4 cr.

An introduction to the field of epidemiology, the course examines the history of epidemiology and core measurements used to describe the occurrence of illness in populations. The course will focus on the major sources of epidemiologic data; students will learn to analyze and critique epidemiologic study designs. Social epidemiologic theories and applications, causal pathways, community-based approaches, and methods used to respond to public health crises will also be examined.

Prerequisite: EMS.

PH4810 Ethics in Public Health 4 cr.

This course begins with a brief history and overview of the field of medical ethics, and then focuses on the application of moral values and principles relevant to public health and medical practice through a variety of case studies. Students will complete the required federal training for researchers working with human subjects. The course aims to develop students' knowledge of ethics and their ability to think critically and ethically about complex issues such as genetic engineering, assisted reproduction, stem cell research, organ donation, care of newborns and end-of-life decision-making, and the challenges that policymakers face in determining how to allocate resources and manage conflicts between individual freedoms and the public good.

Prerequisite: EMS

PH4820 Health Law 4 cr.

Designed to give prospective health professionals an understanding of the terminology and concepts of health law. Attention focuses on public health law, medical care law, and health facility law. Historical and contemporary issues are examined via case review readings and discussions. Issues include the right to health care, informed consent, malpractice and product liability.

Prerequisite: EMS.

PH4850 Global Health 4 cr.

Examines health problems, health status, public health policies and programs and the role of global politics and economics in determining the health status of people worldwide. The health systems of a number of countries are also examined.

Prerequisite: EMS.

PH4890 Environmental Policy and Politics 4 cr.

Focuses on the most important federal, environmental, state, and local laws. Defines the role of government in regulating air, water, and solid waste pollution, and controlling dangerous substances such as radioactive and hazardous wastes. Students become familiar with the history and function of the EPA and other agencies involved in resource and land-use planning. The environmental impact statement process and the role of environmental organizations in the political policy-making process are examined.

Prerequisite: EMS.

PH4900 Public Health Field Placement 4 cr.

The student performs 90 hours of fieldwork in a community health agency, with prior approval of the instructor. Provides an opportunity for students to integrate classroom learning with practical work experience in assessing community health needs and effecting change in health care delivery systems. Students meet regularly to discuss their experiences, maintain a log of their field activities, and write a final paper describing the agency and summarizing their work.

Prerequisite: EMS.

PH4920 Special Topics in Public Health **4 cr.**

This course gives students the opportunity to examine in greater depth a topic of special interest in public health. The specific topic will be determined by the instructor. The course may be repeated once for credit if the course topic changes.

Prerequisite: EMS.

PH5900 Research Methods **4 cr.**

This course introduces seniors in Public Health to the research tools, both quantitative and qualitative, available to public health researchers and practitioners. Students will design their own research projects.

Prerequisites: PH3600 and PH3610; EMS.

PH5920 Senior Seminar **4 cr.**

The culmination of students' work in Public Health; seniors in their final semester will review the literature on their research topic, conduct field research and present their research findings formally to faculty and students.

Prerequisites: PH5900; EMS.

PH9990 Independent Study **4 cr.**

Independent study, carried out under the supervision of a faculty member, permits students to investigate areas that are not part of existing offerings. Open to students of upper-division standing only.

Prerequisites: PH3600 and PH3610; permission of instructor.

SOCIOLOGY COURSES

All course offerings are contingent on budgetary allocations, faculty resources and enrollment figures and, unless otherwise indicated, are offered in accordance with student demand.

SY1500 Introductory Sociology **4 cr.**

Introduces basic concepts and perspectives in sociology. Such major social institutions as the family, education, politics, law, media, and religion are examined, together with such social processes as socialization, social change, social control, and social stratification. In addition, the course surveys some of the research methods and social theories in sociology. Designed as a general interest and general education course. Required for sociology and criminology majors. Offered every semester.

SY2550 Social Problems **4 cr.**

Examines the historical and contemporary roots of critical social problems such as poverty, unemployment, ecological despoliation, delinquency, population growth, etc. Also of concern are the social policies directed toward these problems and an examination of their present and future consequences. Offered every semester.

Prerequisite: ECI.

SY2600 Social Deviance **4 cr.**

Examines the patterns of deviant behavior in American society. Concentrates on the social construction of deviance: how various deviant labels are defined and applied (e.g. crime and mental illness) and the social consequences for those labeled. Students will also study the uses of moral, legal and medical models as fundamental ways of understanding both deviant behavior and the societal response to deviants. Offered every year.

Prerequisite: ECI.

SY3160 Sociology of Culture **4 cr.**

Provides a sociological approach to the study of culture. Material and non-material aspects of culture are explored through the study of language, science and technology, the various arts and media. Special attention is given to the culture-production process, the relationship of culture producers and consumers and the meaning of culture products in today's society. Debates about culture, policy, and culture change are analyzed in the course, and include the new research on visual culture and civic culture. Offered every year.

Prerequisites: ECII.

SY3280 Social Inequality **4 cr.**

This course analyzes the basic dimensions of structured social inequality, the unequal distribution of wealth, power, goods and services by class, race and gender. It studies different aspects of the impact of social inequality: for example, on environmental issues; social mobility; beliefs about the justice of inequality; social movements; crime, poverty and social policy. Offered every year.

Prerequisites: ECI.

SY3630 Political Sociology **4 cr.**

Examines the social structures and processes related to participation in the political life of society. Explores the problems the political order poses for different social classes and how institutions of power and authority are maintained in efforts to foster control and legitimacy. Offered every year.

Prerequisite: ECII.

SY3700 Family and Society **4 cr.**

Through historical and comparative analysis, studies the connection between courtship and marriage patterns and different economic systems. Students examine the emergence of the modern family system, changing patterns of mate selection and courtship and the

relationship between general assumptions about sex roles and role allocation in marriage itself. Comparisons are drawn across cultures and across class, race and ethnic groups in American society. Offered every year.

Prerequisite: ECII.

SY3750 Medical Sociology 4 cr.

Explores the social forces defining and influencing health and illness. The organization and distribution of medical science and professionals are analyzed from a sociological perspective, with an emphasis on care for the poor, minorities, women, the disabled, and the aged. Alternatives to the present system of medical care in the U.S. are discussed, particularly in the context of health policy and medical care in other countries. Offered every year.

Prerequisites: EMS.

SY3800 Race and Ethnicity 4 cr.

Emphasizes the history, social structure and culture of racial national, ethnic and religious minorities. Includes such minority majority processes as interracial and intercultural conflict, domination and adaptation, accommodation and assimilation. Causes and consequences of prejudice, racism and discrimination and some ways of reducing intergroup tensions are included as are alternative models for pluralistic societies such as "melting pots" or "mosaics." Offered every year.

Prerequisite: ECII.

SY3900 Social Movements 4 cr.

Provides an overview of the contemporary sociological models used to analyze the dynamics of protest among disenfranchised constituencies in the U.S. Cases are drawn largely from the history of African American protest movements of the 19th and 20th century in which activists have attempted to reconcile tensions between demand for civil rights and the more radical vision of nationhood. Government and counter-movement responses to protest are also examined. Offered every year.

Prerequisite: ECII.

SY3910 Sociology of Work 4 cr.

This course will introduce students to the sociology of work and industry. We will cover the history of work organization from ancient to modern times, but with particular emphasis on contemporary, 'post-industrial' capitalism. Topics to be discussed include industrial organization, bureaucracy, gender, race and ethnicity in the workplace, work and family balance, the development of the trade union movement and collective bargaining. All of these more specific areas of inquiry will be framed against the backdrop of an evolving world economy and the role of the U.S. and U.S. workers in it. The goal of the course is to provide students with a broad understanding of both the history and the myriad theoretical approaches to work, as well as research strategies for their empirical investigation. Offered every year.

Prerequisite: ECII.

SY4260 Social Work: Theory and Practice 4 cr.

Examines social work practice as a planned change process occurring within systems, i.e., one-to-one relationships, families, community groups. Provides a general overview of social work practice within the context of social welfare. Particular attention is paid to the structure and function of social welfare as an institution and to the development of concepts and techniques applicable to a wide variety of social work settings and situations. Addresses such issues as the types of opportunities in the field, necessary skills and the underlying value system. Offered every year.

Prerequisite: SY1500 or PY2010, EMS.

SY4270 Internship in Social Work, Sociology and Criminology 4 cr.

The internship program is designed for students who wish to develop practical skills and gain work experience in the fields of Social Work, Sociology and Criminology, integrating theory with professional experience. The students will have an opportunity to explore the professional world and to acquire training in their chosen area of specialization. The student in conjunction with the instructor will select a field internship and perform 90 hours of field work. Students meet regularly to discuss their experiences and progress. They will compile a portfolio of the work done on the internship and write a detailed report describing the agency and summarizing their work. The student will use psychological, sociological and criminological theories and research to explain complex social processes experienced during the field. Offered every year.

Prerequisites: SY1500, EMS; Junior standing.

SY4400 Social Psychology 4 cr.

Introduces the social psychological theories of sociologists and anthropologists to show how culture and society shape and influence behavior. Focus is on theories of socialization, such as symbolic interaction, behaviorism, small group theories, perception, social exchange, etc. Consideration is given to cross-cultural examples. Offered every year.

Prerequisites: SY1500, EMS.

SY4500 Global Sociology 4 cr.

The major aims of the course are to broaden student knowledge and perspectives of diverse cultures and the global society by using historical, anthropological, and sociological theories and methods. The course will review such social processes as socio-cultural evolution, development and revolution. We will do comparative analyses, and debate global issues and policies. The global issues include the environment, population, resources, and technology; global stratification, human rights, and peace and war in contemporary society. Offered every semester.

Prerequisites: SY1500, EMS.

SY4520 Research Methods I 4 cr.

Introduces students to the concepts and principles of sociological research, including how to: interpret and construct academic research articles, conduct an analytic literature review, design and test research hypotheses, use appropriate sampling methods and apply ethical

principles. Students will gain experience in qualitative data collection methods and analysis (e.g., intensive interviews, content analysis, ethnography, group interviews, question construction, historical/comparative studies) for sociology and criminology topics, and develop a research plan. Offered every semester.

Prerequisites: SY1500, Math Proficiency; EMS.

SY4530 Sociological Theory I 4 cr.

Introduces the central concepts and theoretical frameworks of the founding figures of classical sociological theory: Marx, Durkheim, and Weber. By reading primary work by each theorist as well as secondary sources, students will learn the content of the theories, the theorists' underlying assumptions, and the empirical bases of their analyses of society. Offered every semester.

Prerequisites: SY1500, EMS.

SY4540 Sociological Theory II 4 cr.

Introduces modern developments in sociological theory. Students will read both primary and secondary contemporary theoretical writings, studying how modern theory builds on and diverges from classical theories. Major fields of contemporary theory that may be covered include: functionalism, conflict theory, neo-Marxist theories, psychoanalytic theory, feminist theory and critical race theory. The emphasis is on understanding how each theorist approaches his/her own realm of inquiry as well as the actual idea systems created. Offered every semester.

Prerequisites: SY1500, SY4530 with a grade of "C" or better; EMS.

SY4570 Research Methods II 4 cr.

Trains students to collect and analyze quantitative sociological data. Topics include appropriate sampling methods, survey research, probability, tests of significance and descriptive and inferential statistics. Students are introduced to statistical logic and concepts and conduct bivariate and multivariate analyses using examples from sociology and criminology. Offered every semester.

Prerequisites: SY1500, SY4520; EMS, Math Proficiency.

SY4600 Social Programs, Planning and Policy 4 cr.

Analyzes formation of social policy, its effectiveness as applied to specific social institutions and programs, as well as the impact of these programs on their targeted population. Broader issues of social policy within the context of political economic systems and ideologies, as well as the general structure of the American "Welfare State," will be discussed, using cross-cultural comparisons. Offered every year.

Prerequisites: SY1500, EMS.

SY4651 Sociology of Communications and Media 4 cr.

The sociological perspective is used to study communications media in contemporary society. Special emphasis is given to the social, political, and economic contexts of mass media. The course looks critically at media production, producers, products and effects. Students will analyze and debate multi-media documents and learn to content analyze media images and texts. Offered every year.

Prerequisites: SY1500, EMS.

SY4810 Law and Justice 4 cr.

This course focuses on the sociological understanding of how ideas of law and justice relate to issues of power, consensus, conflict and change in society. It examines the use of law as a tool in responding to different cultural groups in American society and examines the process and significance of judicial law-making under the U.S. Constitution, illustrated by case examples regarding first amendment guarantees of religious freedom and political dissent, and civil rights issues of race, nationality, gender, sexuality and disability. Offered every year.

Prerequisites: SY1500, EMS.

SY4850 Urban and Suburban Sociology 4 cr.

Introduces a variety of sociological perspectives on urbanization and community formation. The history of urban development is traced in terms of major social changes contributing to and resulting from the rise of cities. The expansion of cities into metropolitan regions is examined in relation to social processes in urban areas. Select problems that have arisen out of the American urban experience are considered together with such efforts to ameliorate them as urban renewal efforts and city and regional planning. Offered every year.

Prerequisites: SY1500, EMS.

SY4950 Sociology of Music 4 cr.

The Sociology of Music is a specialized field within Sociology, exploring the social aspects of music. Music surrounds us in society, enhancing our entertainment and serving as the soundtrack of our lives. However, music varies widely across the time and space of human experience. This class investigates global music cultures, and satisfies the cross-cultural component for Sociology majors. We will explore the social production of music and the roles of composers, musicians, and listeners from the classical era to the contemporary age. Emphasis will be placed on how social actors endow music with meaning, and how people use music to construct identities. Music's relationship to social control will also be investigated. Readings assigned for the course are often highly theoretical. A final research paper is required. Offered every year.

Prerequisites: SY1500, SY4530, EMS.

SY4999 Issues in Sociology 4 cr.

Gives students the opportunity to examine in greater depth the analysis and discussion of current specialized sociological work in the particular area defined by the instructor (as indicated in the schedule of classes). Offered every year. Students are permitted to take SY4999 Issues in Sociology for credit up to two times in which two distinct topics are covered.

Prerequisites: SY1500, EMS.

SY5990 Senior Seminar**4 cr.**

This is the culminating senior-level research and writing experience for sociology and criminology majors. The course requires students to demonstrate the ability to apply sociological concepts and analysis to the study of a particular topic. To this end, each seminar will have a broad range of topics identified by the Instructor. The student will develop a research project within this range, and complete a major research paper. Offered every semester.

Prerequisites for Sociology Majors: Senior Standing, SY1500, SY4520, SY4530, SY4540, and SY4570 with grades of "C" or better. Prerequisites for Criminology Majors: Senior Standing, SY1500, SY2600, SY4520, SY4530, SY4570, and CR4550 with grades of "C" or better.

VISUAL ARTS COURSES

All course offerings are contingent on budgetary allocations, faculty resources and enrollment figures and unless otherwise indicated are offered in accordance with student demand. In order to start the tutorial sequence and complete it, Visual Arts majors must maintain a 3.0 average in all Visual Arts courses.

VA2000 Introduction to Art*4 cr.**

Studio course designed to introduce first-year students to exercises that challenge their assumptions of the creative process. This course will begin to provide students with the basic visual and verbal vocabulary to proceed to the next level in the Visual Arts curriculum. The exercises will be completed using both, the fundamentals of basic art techniques such as drawing, painting, modeling and fabricating, and references from contemporary art currents. Offered every semester. Satisfies General Education requirement.

Prerequisite: ECI.

VA2010 Introduction to Creative Thinking*4 cr.**

A must for students considering careers in advertising, publishing, communications or any other discipline regarding creative visual solutions. Students solve exercises designed to challenge the way we perceive reality through conditioning and stereotypes. A variety of skills are developed at the beginners level. The objective is to develop in the students the skills to make creative visual statements avoiding conventional thinking. Required for Art majors. Offered every semester. Satisfies General Education requirement.

Prerequisite: ECI.

VA2020 Basic Design*4 cr.**

This studio course deals with the fundamental development of visual structures and the relationship among two, three, and four (time) dimensions. Through structured projects, beginning with point and visual rhythm, the course will explore line, plane, and color. Students will learn the fundamental principals to organizing these multi-dimensions as they relate to graphics, interior design, photography, etc. and how to make informed intelligent visual decisions. The relationship between the traditional crafts such as painting, sculpture and the new electronic media arts will be discussed and studied. Required for all art majors. Offered every semester. Satisfies General Education requirement.

Prerequisite: ECI.

VA2030 Drawing*4 cr.**

The process of art from idea to final product. The emphasis is on visual notations, especially drawings. Deals with planning and studying feasibilities before actually entering production, allowing students to work through an idea. Required for all art majors. Offered every semester. Satisfies General Education requirement.

Prerequisite: ECI.

VA2045 Introduction to Color*4 cr.**

This class is for those who were always afraid of color and mystified on how color combinations work. The course will be a studio class using paint and paper working through a series of projects exploring: color theory and terminology, how it is applied to practical situations; the difference between subtractive systems as seen in the chemical world of paint and the additive system as demonstrated in electronic media and the calibration of computer monitors and color systems such as RGB, CYMK, etc. (a demonstration in the electronic media lab will cover this aspect); how harmonic-complementary and discordant uses of color are used in nature; after images and optical mixes of color; camouflage and how it works in nature and design; color in relation to 3-dimensional form and more. Satisfies General Education requirement.

VA 2320 Graphic Design I*4 cr.**

This image-based course will introduce graphic design as the foundation upon which visual communication is built. The focus will be on a creative approach to investigating the elements and principles of graphic design while developing concepts that lead to effective design solutions. Projects will be created in Adobe software: InDesign, Photoshop, Illustrator and Dreamweaver. Areas covered include typography, page layout, book design, packaging and logo design, poster design and design for the web. Offered every semester. Satisfies General Education requirement.

Prerequisite: ECI.

** denotes courses for which a \$25 lab fee is charged*

***VA2400 Introduction to Photography** **4 cr.**

Beginning course for art-majors and non-art majors in photography. Emphasis is on photography as a system of visual and cultural representation. The history of photography and technical data are interspersed with shooting assignments and critique. Students supply their own materials and should own a medium-quality digital camera. Offered every semester. Satisfies General Education requirement.

Prerequisite: ECI.

***VA 2460 Painting I** **4 cr.**

This is a beginning course, which teaches the student the conventions of pictorial space and the language of color, as well as basic painting techniques. The study of syntax of traditional painting and the mastery of materials and techniques are basic components of the class. Class assignments and individual projects explore technical, conceptual, and historical issues central to understanding the language of painting. Paintings from different historical periods are discussed in relation to contemporary painting today. Offered every semester. Satisfies General Education requirement.

Prerequisite: ECI

VA2500 Art History I: 19th Century Art **4 cr.**

This class begins with the history of Modern Art in 1750 in the context of the Enlightenment and the French Revolution. It covers the major movements in European Art from Neo Classicism, Romanticism, Realism, Impressionism, and Post-Impressionism. Artistic developments are presented within their historical and social contexts. We will study the changing role of art in by considering the impact that dramatic political upheavals and the Industrial Revolution had on the idea and production of art. Offered once every year. Satisfies General Education requirement.

Prerequisite: ECI.

VA2510 Art History II: Modern Art: 1900-1945 **4 cr.**

This second part of the survey begins with the art of the twentieth century. It examines the many challenges to the definition and role of art that emerge from the major movements of the century such as Cubism, Surrealism, Dada, and Abstract Expressionism. The course traces the impact of photography, mass production, and politics on the role of art in early 20th century society. It also examines the split that occurs between artists who wish to make politically engaged art and artists who wish to make art for art's sake. Offered once every year. Satisfies General Education requirement.

Prerequisite: ECI.

VA2520 History of Photography **4 cr.**

This course introduces the history of photography from its inception in the 1830's to recent practices of photographers and artists working with digital technologies. The primary goals of the course are to develop visual literacy, acquire familiarity with complex and contradictory genres, and understand the social functions of photographic image production. This course will look at significant examples of photography in art, science, war, and other fields and discuss the concepts that relate to this work. Offered once a year. Satisfies General Education requirement.

Prerequisite: ECI.

VA 2600 Study Abroad in France **4 cr.**

Offered in the summer. Satisfies General Education requirement.

Prerequisite: ECI.

***VA 2750 Sculpture I** **4 cr.**

Sculpture I is an introduction to the concepts, materials, and methods of sculpture. The class will explore a wide variety of sculptural tools and techniques both traditional and digital with an introduction to digital fabrication, 3-D printing, and CNC milling. Along with form making and composition, the properties and potential of various materials will also be investigated. Emphasis is placed on the relationship of material to concept, and the processes used in making a sculpture. In addition, the course will address contemporary issues relating to sculpture in the late twentieth and early twenty-first centuries. Offered every semester. Satisfies General Education requirement.

VA3100 Visual Culture: Warhol to the Present **4 cr.**

This course examines the role of art in a contemporary society inundated with visual imagery. We will situate the major art movements of the 1960s and 70s (Pop, Minimalism, Conceptual Art, and Performance) within the socio-historical context of the Civil Rights Movement and the Vietnam War. The course considers how contemporary art comments upon such diverse issues of race, gender and sexuality. We will also look at how the critic, the gallery, and the museum help to determine how art is defined. Required for all Art majors. Offered once every year. Satisfies General Education requirement.

Prerequisite: ECI.

***VA3200 Art Tutorials I** **4 cr.**

Art majors must meet in tutorial sessions with the instructor to discuss ongoing work in any media. Criticism is geared to development of self confidence in the creative process and to implement technical and productive solutions. All students are required to meet with collective faculty for collective criticism. Required for all Art majors. (Teacher Education majors who have selected the Visual Arts concentration will learn to analyze the creative process as it relates to the classroom; how to conceptualize, and plan projects that explore creativity.) Offered every semester.

Prerequisites: VA2010 and two foundation courses; ECI.

* denotes courses for which a \$25 lab fee is charged

- VA3340 Introduction to African Arts** **4 cr.**
 An introduction to the traditional and contemporary arts of the African continent. We will explore the relationship of the visual arts and the complex historical, cultural and religious context of traditional African societies. Parts of the course will be devoted to contemporary arts in post-colonial Africa, transnational developments, the internationalization of African arts and aspects of Diaspora arts. Offered occasionally. Satisfies General Education requirement.
Prerequisite: ECI.
- VA 3350 A Topics in Contemporary Art: New Media** **4 cr.**
 This course examines recent trends and developments in the field of new media. It discusses the relation of contemporary art to other cultural, political and technological developments. Offered once a year. Satisfies general Education requirement.
Prerequisite: ECI.
- VA 3350 B Topics in Contemporary Art: Art Since 1980** **4 cr.**
 This course examines recent trends and developments in contemporary art since 1980 and discusses it in relation to the cultural and socio-political context. Topics include: identity, body politics, socially engaged art. Offered once a year. Satisfies General Education requirement.
Prerequisite: ECI.
- *VA3380 Digital Video** **4 cr.**
 Students will obtain a strong foundation in digital video on the Macintosh computer through instruction in preproduction and production fundamentals. Video editing will be done with Final Cut Pro software. Students will have their own computer workstations and access to cameras, recorders, color scanners and printers. This course will provide students with the knowledge of the aesthetic, critical and analytical processes required to create effective digital videos. Offered every semester.
Prerequisite: ECI.
- *VA 3400 Digital Imaging** **4 cr.**
 This course covers the capabilities of both pixel-based and vector-based digital imaging software. Using Photoshop and Illustrator, students create a range of projects that explore the creative potential within these programs while developing the skills necessary to execute original concepts. This course serves as a digital foundation upon which more advanced digital work in both 2D and 3D design can be built. It is a must for anyone considering a career in communications, publishing, advertising and the visual arts. Offered every semester. Satisfies General Education requirement.
Prerequisite: ECI.
- *VA 3460 Painting II** **4 cr.**
 This course emphasizes the command of the conventions of pictorial space and the language of color. The study of the syntax of traditional painting and the mastery of materials and techniques are basic components of the class. Class assignments and individual projects explore technical, conceptual and historical issues central to understanding the language of painting. Offered every semester.
Prerequisite: Painting I or permission of the instructor; ECI.
- *VA4200 Art Tutorials II** **4 cr.**
 This course is the second level of the Tutorial Sequence. Required for all Art majors. (Teacher Education majors who have selected the Visual Arts concentration will focus on how to teach the creative process.) This is the second level of the tutorials sequence that focuses on the processing of students' own projects. Materials, techniques, and theory of criticism will be covered. Offered every semester.
Prerequisites: All foundation courses; VA3200; ECI.
- *VA4260 Interactive Web Design** **4 cr.**
 This course emphasizes design elements and principles as well as technical methods for creating interactive projects for the web. Working on their own original projects, students will gain a comprehensive understanding of hypertext mark-up language, cascading style sheets, interface design, and graphics protocol. Basic javascript to create interactivity, eBooks, and a game design wherein students create their own artwork, is also covered. Students use Dreamweaver, Photoshop, Javascript, text editors, Flash, ePub, and a game design content management system to create projects. Offered every semester.
Prerequisite: ECI
- VA4265 3D Digital Design** **4 cr.**
 This course will cover 3D modeling and an introduction to 3D animation. Polygon and Nurb modeling, as well as deformers and rigging, will be taught as tools for expressing students' own ideas for 3D environment, character and object designs. From these projects, students will be introduced to the methods of animating and 3D printing of their models. Offered every semester.
Prerequisite: ECI.
- *VA4320 Graphic Design II** **4 cr.**
 This course builds upon the elements and principles of graphic design outlined in Graphic Design I. Students will develop concepts that lead to effective design solutions across media platforms including: print design, packaging and logo design, web, eBook and environmental design. Students will use a variety of Adobe software: InDesign, Photoshop, Illustrator, Dreamweaver, Flash and ePub. Offered every semester.
Prerequisite: Graphic Design I or permission of the instructor.

* denotes courses for which a \$25 lab fee is charged

***VA4360 Advanced Electronic Media Practice** **4 cr.**

This course is designed for students to further develop projects at an advanced level in the Electronic Media areas of animation, 3D design and/or video. Previous experience in one of these areas is required. Offered every semester.

Prerequisites: at least 2 Electronic Media courses.

***VA4460 Digital Animation** **4 cr.**

This course teaches the principles of 2-D animation covering storyboarding, sound, rotoscoping, stop-motion animation, Cel animation and Key frame animation. Utilizing current animation timeline-based software and video/sound editing tools, students will conceptualize, design, draw and compose digital animations. Offered every semester. Satisfies General Education requirement.

Prerequisite: ECI.

***VA4750 Sculpture II** **4 cr.**

Sculpture II builds upon the concepts and tools learned in Sculpture I with a more rigorous conceptual approach and an elevated development of materials and skills. The second semester of sculpture continues to develop the student's conceptual, visual and technical skills acquired in Sculpture I with increased levels of complexity and an emphasis on developing digital sculpture. This course provides students with a solid understanding of the basis of digital fabrication as it applies to 3-D printing, CNC milling and component-based assembly methods. Students will evolve their abilities to explore the interdependence of content and medium in a critical and contemporary art context. Offered every semester. Satisfies General Education requirement.

VA4900 Internship **4 cr.**

Students intent on becoming professional artists will use this Internship to work with an established artist. Students interested in peripheral art activities will use this Internship in a professional area close to his/her interest. Offered every semester. Required of all Art majors; 120 hrs. minimum.

Prerequisites: All foundation courses; ECI.

***VA5200 Art Tutorials III** **4 cr.**

This course is the third level of the Tutorial Sequence. Required of all Art majors. (Teacher Education majors who have selected the Visual Arts concentration will focus on research skills, delving into the value of the creative process in art, as it applies to problem solving, and the relationship of the creative process in art as it relates to other fields and disciplines.) Offered every semester.

Prerequisites: All foundation courses; VA3200; VA4200 or VA4300; ECI.

***VA5900 Senior Project** **4 cr.**

Upon recommendation of the VA faculty and with the student holding a minimum GPA of 3.0 in Art Tutorials II and Art Tutorials III, the Student will create art work for an exhibition at the campus' Amelie A. Wallace Gallery.

Other Art Majors who have finished the Art Tutorial sequence, but are not recommended for a final exhibition, will instead write a final Senior Thesis. This thesis will address an art topic to be decided on, in consultation with the Visual Arts Faculty. Teacher Education majors who have selected the Visual Arts concentration will use Senior Project as an opportunity to assemble a final portfolio of sample art projects, a written journal of classroom observations and techniques and a research paper on the possibilities of integrating the art process into the classroom as a learning tool.

Seniors passing Senior Project – Art Exhibition will receive recommendations for MFA programs. Students who choose to graduate with a thesis will be recommended into MA programs. Offered every semester.

Prerequisites: VA3200, VA4200 and VA5200, approval by faculty after VA5200; ECI, Senior Standing.

VA9990 Independent Study **4 cr.**

Students work on independent art projects. or independent art history research. Offered every semester.

Prerequisites: All foundation courses; VA3200; ECI and permission of Instructor.

WOMEN AND GENDER STUDIES

WS1000/AS1512 Introduction to Women's Studies **4 cr.**

Explores the development of women's lives, from childhood through adolescence to maturity. Focuses on the family, school, sexuality, and career options, and how these experiences and choices are affected by race, class, religion, ethnic origin, and gender. Readings include fiction, autobiography, history, and social science. Offered every semester.

Prerequisite: BEII.

WS4900 Internship in Women and Gender Studies **4 cr.**

Women and Gender Studies internships offer an opportunity to apply what a student has learned in Women's Studies courses to "real-life" situations, to help organizations and companies working on women's issues, and to gain valuable experience and contacts who can help in finding meaningful full-time employment. Students may also intern at the SUNY Old Westbury Women's Center. Students registering for this internship will be required to complete formal and informal written assignments analyzing their experience as well as participate in the programming of their internship.

Prerequisites: AS1512, and permission of Women and Gender Studies Director.

** denotes courses for which a \$25 lab fee is charged*